

**AN ANALYSIS OF GRAMMATICAL ERROR IN ACADEMIC WRITING
BY THE THIRD SEMESTER STUDENTS OF ENGLISH LANGUAGE
EDUCATION OF UIN RADEN MAS SAID SURAKARTA
IN ACADEMIC YEAR 2022/2023**

THESIS

**Submitted as a Partial Requirements
For The Degree of Undergraduate in English Language Education**



**By:
NINING DWI SETYAWATI
SRN. 163221148**

**ENGLISH LANGUAGE EDUCATION STUDY PROGRAM
FACULTY OF CULTURES AND LANGUAGES
UIN RADEN MAS SAID SURAKARTA
2023**

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Assalamu 'alaikum wa rahmatullahi wa barakaatuh

After reading thoroughly and giving necessary advices, herewith, as the advisor, I state that the thesis of

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2022/2023."

Has already fulfilled the requirements to be presented before the Board of Examiners (*munaqosyah*) to gain Undergraduate Degree in English Language Education.

Thank you for the attention.

Wassalamu 'aliakum wa rahmatullahi wa barakaatuh

Sukoharjo, June 15th 2023

Advisor

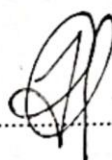


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RATIFICATION

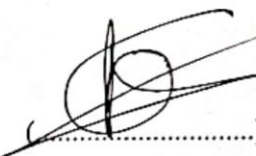
This is to certify the Degree of Undergraduate thesis entitled “AN ANALYSIS OF GRAMMATICAL ERROR IN ACADEMIC WRITING BY THE THIRD SEMESTER STUDENTS OF ENGLISH LANGUAGE EDUCATION OF UIN RADEN MAS SAID SURAKARTA IN ACADEMIC YEAR 2022/2023.” by Nining Dwi Setyawati has been approved by the Board of Thesis Examiners as the requirement for the Undergraduate Degree in English Language Education.

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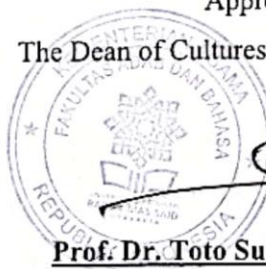


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Approved by

The Dean of Cultures and Languages Faculty



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DEDICATION

This thesis is specially dedicated to myself and my parents.

PRONOUNCEMENT


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I hereby sincerely state that the thesis titled “AN ANALYSIS OF GRAMMATICAL ERROR IN ACADEMIC WRITING BY THE THIRD SEMESTER STUDENTS OF ENGLISH LANGUAGE EDUCATION OF UIN RADEN MAS SAID SURAKARTA IN ACADEMIC YEAR 2022/2023” is my real masterpiece. The things out of my masterpiece in this thesis are signed by citation and referred in the bibliography.

If later proven that my thesis has discrepancies, I am willing to take the academic sanctions in the form of repealing my thesis and academic degree.

Surakarta, June 19th 2023

Stated by,


Nining Dwi Setyawati
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Alhamdulillah, all praises be to Allah, the single power, the Lord of the universe, master of the day of judgment, God all mighty, for all blessings and mercies so the researcher was able to finish this thesis entitled “AN ANALYSIS OF GRAMMATICAL ERROR IN ACADEMIC WRITING BY THE THIRD SEMESTER STUDENTS OF ENGLISH LANGUAGE EDUCATION OF UIN RADEN MAS SAID SURAKARTA IN ACADEMIC YEAR 2022/2023”. Peace is upon Prophet Muhammad SAW, the great leader and good inspiration of world revolution.

The researcher is sure that this thesis would not be completed without the helps, supports, and suggestions from several sides. Thus, the researcher would like to express her deepest thanks to all of those who had helped, supported, and suggested her during the process of writing this thesis. This goes to:

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4. Wildan Mahir Muttaqin, M.A.TESL as the Coordinator of English Language Education of Cultures and Languages Faculty of Raden Mas Said Islamic University of Surakarta,
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9. Everyone who has helped the researcher in any form that resulted in this thesis can be realized.

The researcher realizes that this thesis is still far from being perfect. The researcher hopes that this thesis is useful for the next researcher and the reader in general.

Sukoharjo, June 19th 2023

The researcher



Nining Dwi Setyawati

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ABSTRACT

Setyawati, Nining Dwi. 2023. “**An Analysis of Grammatical Error in Academic Writing by The Third Semester Students of English Language Education of UIN Raden Mas Said Surakarta in Academic Year 2022/2023**”. Thesis. English Language Education, Cultures and Languages Faculty. Raden Mas Said Islamic University of Surakarta.

Advisor: Prof. Dr. Drs. H. Giyoto, M.Hum.

Writing is regarded as the most difficult skill for second and foreign language learners. To make a good writing, students need to learn the rules of English grammar and mechanics such as the correct use of verbs and pronouns, as well as command and other marks of punctuation. There are some difficulties in the third semester students in applying the rules of English language especially in grammatical matter. The aims of this research are: (1) to find the types of grammatical error committed by third semester students of English Language Education of UIN Raden Mas Said Surakarta based on surface strategy taxonomy by Dulay, and (2) this research is also conducted to find the most common error made by the students.

The research applied case study design with qualitative approach to gain the data from the third semester students in writing their classification essay. The collecting data method used documentation of the students writing with total number 51 which are divided into two classes from class H students and class I. The data is analyzed by using Ellis analysis technique.

The result of the study shows that: (1) there are 174 errors of omission, addition, misformation, and misordering error made by the students in their classification essay. There are 49 errors of omission or 28,16%, 25 errors of addition or 14,37%, 85 errors of misformation or 48,85%, and 15 errors of misordering or 8,62%, (2) The data shows that the most common error made by the students is misformation. From the result of the study, it can be concluded that students still commit errors in applying the grammatical rules. The researcher found that agreement and word selection become the main problem of the students in arranging well-formed sentence. Based on that, the researcher gives some suggestions either to the teacher or students, they need to more aware about grammatical matter especially in writing. Students must enrich their knowledge about grammatical rules, while the teacher should teach more grammatical subject and give more writing practice to the students.

Keywords: *Error analysis, grammatical error, surface strategy taxonomy.*

CHAPTER I

INTRODUCTION

This chapter gives brief explanation about Background of Study, Problem Identification, Problem Limitation, Problem Question, Research Objectives, Research Benefits, And Definition of Key Terms.

A. Background of Study

English plays important role in human life due to most of technological developments around the world use English as its language. It can be denied that people are expected to learn English to follow the current development. According to Crystal (1997) more than 300 million people speaking English as the first language, more than 200 million using English as the second language, and more than 1 billion people speaking English as foreign language. Meanwhile, English in Indonesia is taught as foreign language (EFL). Oxford and Shearin (1994) state that foreign language is a language which learnt during formal education. It means that English occurs and taught mostly in classroom rather than used for communication.

Richard and Renandya (2003) state that writing is the most difficult skill for second and foreign language learners. Palmer (1994) also says that writing is difficult to be learnt because the writers should do a process include planning, organizing, and revising to present meaning in ta text. Writing is regarded as the most difficult skill to be learnt because writing is different from another activity. This is because of writing is not only an activity about arrange words

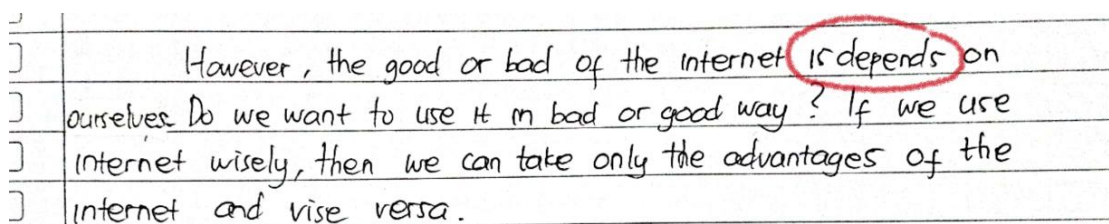
become sentences or paragraphs but also pouring the organized idea with appropriate words so it can be a good writing.

In academic context, writing has important part due to there are so many assessments taken from the writing form such as thesis, report, essay and many more. Writing subject has been taught at UIN Raden Mas Said since the first semester until third semester. Start from Composition on Essay Writing, followed by Argumentative Writing, and then Writing for Academic Purposes. At the third semester, students are taught about basic principles of academic writing and then construct it started from determine the topic, develop the sentences, until draw a conclusion properly. As Coffin et al (2003) said that students' academic writing is the center of teaching and learning because students are mostly assessed by what they write. Pratama (2017) also states that why writing is important in academic context because writing is one of many ways of being assessed. Therefore, students are expected to know the rules of writing to get the successful writing result.

According to Sutanto (2017) in making the good writing, students need to learn the rules of English grammar and mechanics such as the correct use of verbs and pronouns, as well as command and other marks of punctuation. Thus, grammar is important in the academic writing. Without following the rules of the language, the reader may receive and understand the message that the writer wants to convey but it can also bring up misconception and ambiguity among the readers. This grammar issue become so crucial because grammar can be said

as the main component to create the sentence. According to Thornburry (1999) grammar is a basic component of any language. Meanwhile Brown (2001) states that grammar is defined as the system of rules that organize the arrangement and relationship of words in a sentence. With regard to this, the writing result can be understood and the message of the writer's goals can be accepted successfully without occurring any misconception on it. Ambiguity and misconception occur because there are some errors that found in the writing. Dulay, Burt and Krashen (1982) classify writing errors into four categories. They are linguistic category taxonomy, surface strategy taxonomy, comparative taxonomy and the last is communicative effect. However, errors cannot be avoided in the process of language learning by the learners because errors contribute in understanding the process of foreign language acquisition.

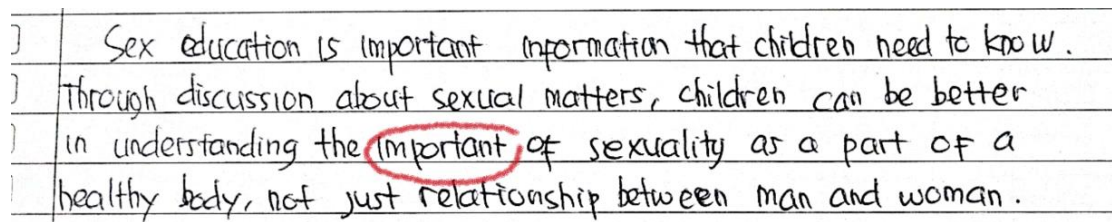
Based on that, the researcher did the pre-research to the students' writing especially at the third semester students who are majoring in English Education who have been taught academic writing which is the development of subject from the previous semester. The following pictures are the errors found in the students writing.



However, the good or bad of the internet is depends on ourselves. Do we want to use it in bad or good way? If we use internet wisely, then we can take only the advantages of the internet and vise versa.

Figure 1. 1. Student's Writing

The picture shows that there is an error named addition because there is an item “is” appears before “depends” where “depends” here stands as verb and verb cannot be preceded by “to be”. So, the correct one is “the good or bad of internet depends on ourselves”.



Sex education is important information that children need to know. Through discussion about sexual matters, children can be better in understanding the important of sexuality as a part of a healthy body, not just relationship between man and woman.

Figure 1. 2. Student's writing

Here, the researcher also found an error in student's writing. This one called misformation. It is because student make a mistake in doing word selection. The student chooses “important” instead of “importance”. The word “important” is a verb, meanwhile in this sentence, student need to put a noun to make the sentence correct. So, it should be “importance” not “important”.

Based on the phenomena above, the researcher is interested to do research about grammatical error in academic writing made by third semester students of English Language Education of UIN Raden Mas Said Surakarta. The researcher chooses this kind of research because when the researcher did primarily observation, the researcher found that grammatical issue is one of so many things that should be considered especially in writing.

Several studies about grammatical error have been conducted by some researchers. For first previous study, research entitled “An Analysis of

Grammatical Error in Thesis Abstract at English Department of Muhammadiyah University of Makasar” by Suci Rahmayani (2020). The aim of the study is to find out the types of grammatical errors in student’s thesis abstract based on the surface strategy taxonomy. The result showed that there were 10 items or 20% of omission error, 3 items or 5% of addition error, 4 item or 8% of misordering error, and 34 items or 67% of misformation error. It shows that the most common error occur in students’ thesis abstract is misformation. Besides, the research also pointed out the causes of the grammatical error made by the students. The errors occurred because of there were carelessness, first language interference, and translation.

According to the first previous research, there is found a similarity with this research. The previous research classified error based on surface strategy taxonomy. While this research uses surface strategy taxonomy as well. the previous study analyzes the data which taken from the graduated student, while this research take the data from the third semester students.

The second previous study was conducted by Putri Mufidah and Syaiful Islam (2022) entitled “An Analysis of Grammatical Errors in Students’ Writing”. The study was conducted in the second grade of Nurul Jadid Islamic Senior High School. The study is aimed to analyze the most common grammatical error in students’ writing based on the surface strategy taxonomy by Dulay. The data of the research was taken from 10 students’ analytical exposition writing. The result of the study showed that there are 155 errors

found in the students' writing composition. The omission error is 44%, addition error is 27%, misformation error 23%, and misordering error is 6%. The result showed that omission is the most common error made by students.

Based on the second previous study, the researcher underlined some differences with this study. The differences are located in the subject of the research and the kind of writing that will be analyzed. The research is conducted in the second grade of Senior High School by taking their analytical exposition writing, while this researcher conducted the research in the third semester student by taking their classification essay. Moreover, both of this research analyzed errors based on the surface strategy taxonomy by Dulay's Theory.

Based on the explanation above, the researcher would like to observe grammatical error in different type of writing from those previous study. The researcher will investigate grammatical error in academic writing especially in academic writing at the third semester students of English Language Education of UIN Raden Mas Said Surakarta. The grammatical error will be analyzed based on Surface Strategy Taxonomy by Dulay, Burt, and Krashen (1982) that consists of omission, addition, misformation, and misordering. The researcher will conduct research entitled "AN ANALYSIS OF GRAMMATICAL ERROR IN ACADEMIC WRITING BY THE THIRD SEMESTER STUDENTS OF ENGLISH LANGUAGE EDUCATION OF UIN RADEN MAS SAID SURAKARTA IN ACADEMIC YEAR 2022/2023."

B. Identification of The Problem

Based on the study background which has been explained above the researcher identifies the problem as follows:

1. Writing is regarded as the one of the most difficult skills in English learning because it needs more understanding from the English learners.
2. Grammar plays important role for communication, so English learners should master it.
3. Students may omit words that are needed in arrange a correct sentence (Omission)
4. Students may add words that should not appear in a sentence (Addition)
5. Students may make errors in word selection (Misformation)
6. Students might make an error in doing the placement of morpheme (Misordering)

C. Limitation of The Problem

Based on the background of study, it is necessary to make the limitation to make the research more focus and does not out of the context. This research limits to discuss in error analysis based on Surface Strategy Taxonomy by Dulay's theory in academic writing. The research will focus in analyzing errors in omission, addition, misformation, and misordering in a Broadway without including the sub categories of those four categories. In doing writing, there are some important things that should be noticed such as investigate the topic, collect and evaluate evidences, and establish a position on the topic. However, every essay has their own element or structure. Academic writing itself has three

structures, those are introduction, body, and the last is conclusion. Moreover, using proper grammar is necessary to build a good paragraph so the message can be conveyed properly. In analyzing data, the researcher will focus in grammatical only and ignore about capitalization, punctuation, content, etc.

In UIN Raden Mas Said the third semester students have been taught argumentative writing in previous semester continued and developed with academic writing subject in this semester. Therefore, the researcher decided to examine 2 classes, class H and class I which were taught by Mr. Dwi Cahyono, M.Pd in Writing for Academic Purposes subject. There are 8 classes in the third semester with total 226 students then the researcher only takes 51 students to examine. In this research, the researcher focused in analyzing classification essay which is the part of academic writing taught at the third semester.

D. Formulation of The Problem

There are two problems that will be discussed in this research, those are:

1. What are the types of grammatical errors in academic writing made by the third semester students of English Language Education of UIN Raden Mas Said Surakarta in academic year 2022/2023?
2. What is the most common error made by the third semester students of English Language Education of UIN Raden Mas Said Surakarta in academic year 2022/2023?

E. Objectives of The Study

Based on the research problem above, the objectives of the study are:

1. To describe the types of grammatical errors that found in academic writing made by the third semester students of English Language Education of UIN Raden Mas Said Surakarta in academic year 2022/2023.
2. To find out what is the most common error made by the third semester students of English Language Education of UIN Raden Mas Said Surakarta in academic year 2022/2023.

F. Benefits of The Study

The result of this research is expected to have some benefits or contributions for lecturer, students and for another researcher both theoretically and practically.

1. Theoretical Benefit

This study is expected to give contribution in knowledge especially in study of linguistic. It can also improve and widening students' writing ability in using proper grammar.

2. Practical Benefit

a. For lecturer

The result of this research gives much information and feedback for the English lecturer that can be useful to know students' ability either their knowledge or their difficulty in writing.

b. For students

The result of the research shows them in which aspect of the grammar that difficult for them. For that information students are expected to increase their ability and knowledge of English grammar.

c. For other researchers

The researcher hopes that this research can be a reference to another research that related with grammatical error in many aspects which is needed by another researcher.

G. Definition of Key Terms

There are three key terms that the researcher present briefly so that the readers have same perception with the researcher.

1. Error

According to Davies and Pearse (2002), errors are integral part in learning a language and those are not evidence of a failure.

2. Grammatical error

Grammatical error is a deviation made by learners in the process of applying certain language rules that consists of semantic meaning, incorrect form, and uses of foreign language due to incomplete understanding from learners about the rules of foreign language (Hsu,2013)

3. Writing

Celce-Murcia (2001) defines that writing is an ability to express ideas with reasonable coherence and accuracy.

CHAPTER II

LITERATURE REVIEW

In this chapter, the researcher presents the review of literature which is used in the research.

A. Theoretical Review

1. Writing

a. The Notion of Writing

Writing is one of four language skills beside listening, reading, and speaking skill. Writing is considered as the most difficult skill than the other skills because writing demands hard thinking and well knowledge in the process of producing words become sentence, paragraph and forming text as a whole. Writing is also one of many ways to communicate in written form among people around the world.

According to White (1986) writing is a process of expressing ideas, knowledge, experience and information then understand the content of the writing to obtain knowledge or information to be shared. Tarigan (1994) states that writing is producing or drawing graphic symbols which represent a language so it can be read and understood by people through the presented graphic symbol. It is also stated by Ramelan (1982) that writing is representation symbol of language.

According to Huddelson (1989), writing is an act where the writer create meaning. It means that writing is creating meaning from someone's thought and it is not a result of copying someone else's

writing result. Meanwhile Celce-Murcia and Olsthain (2000) define writing as an activity to produce written word in to text where the text is readable and comprehend for communication. It means that in the process of writing, learners produce words in written form but remain to pay attention some aspects so the writing result readable and comprehend.

From the definitions that stated by some experts above, the researcher concludes that writing is a process of pouring knowledge and idea which contains information for reader in the written form.

b. Types of Writing

According to McWhorter (1999), there are five types of writing, as follows:

1) Narrative

Narrative basically has a main purpose to entertain the reader by telling a certain story but often about a personal experience. In making narrative the writer not only telling story and entertain the readers but also making a point which leads to find a resolution.

2) Descriptive

Descriptive is a type of writing to describe something, it can be person, place, and concrete object but possibly something abstract like situation or emotion. Descriptive is usually appeal to the five senses. It asks the reader to imagine the object or situation vividly as if they experience it by themselves.

3) Comparison

Comparison tells about two or more subjects by showing the similarities and/or the differences. Comparison is made by choosing minimally two subjects and then compare or contrast them by explaining a few specific points.

4) Cause and Effect

Cause and effect writing can also be called as causal analysis writing. It tells about why a certain thing happen by pointing out the causes or the result bring about or both.

5) Argumentative

Argumentative writing tells about the writer's argument by making a claim supported by actual evidence to prove the claim. It is usually consisting of two sides opinion of single issue.

6) Hortatory Exposition

According to Siahaan and Shinoda (2008) hortatory exposition is a text that has a purpose to persuade readers that they should do something for the benefits or other.

7) Recount

Recount text is intended to retelling the past events by writing it as a series of events in the order in which they happen. Recount text usually has purpose to entertain the reader (Cavanagh, 1998)

8) Procedure

Procedure text is the text to show information to the reader how to do something (Knap and Watking, 2005)

c. **The Concept of Academic Writing**

Academic writing according to Oshima and Hogue (2007) is a writing focuses of the kind of second language learner in high school and university area. Academic writing is different from creative writing which the kind of writing are letters, stories, poetry and many more. Academic writing is a formal writing so the writer cannot use slang, abbreviations, and incomplete sentence. Meanwhile, Wilkinson and Homes (2010) state that academic writing covers the wide range of specific writing tasks required during the academic studies. The examples of academic writing are papers, literature reviews, dissertation, reports, projects, and many more. Here, Bailey (2018) mention 6 types of academic writing, they are:

- 1) Notes is a written record of the main points of a text or lecture for student's personal use.
- 2) Report is a description of the result of something that student has done.
- 3) Project is a piece of research conducted individually or in group with the topic chosen by the students

- 4) Essay is a written work that normally contains 1.000 – 5.000 words which the title or topic is given by the teacher.
- 5) Dissertation or Thesis defines as the longest piece of writing done by students often in higher degree. It contains more than 20.000 words.

d. Writing for Academic Purposes in the third semester students of English Language Education

Students who majoring in English Language Education have been taught writing subject since the first semester start from Composition and Essay Writing, Argumentative Writing, and Writing for Academic Purposes subject. In the third semester, Writing for Academic Purposes is conducted as the last writing subject. In this semester, students are taught how to make academic writing such as hortatory exposition essay, and classification essay as the development of argumentative writing in the previous semester.

a) Hortatory exposition essay

Siahaan and Shinoda (2008) define that hortatory exposition is a text which aims to persuade people to do or agree about something for benefits or other. According to Gerot and Wignell (1994), hortatory exposition has three structures, those are:

- 1) Thesis

Thesis in hortatory exposition states about issue of concern. This part contains of the writer's point of view about the topic that will be discussed.

- 2) Arguments

Arguments contain of several reasons about certain topic. The arguments are used to strengthen the thesis that is stated before.

- 3) Recommendations

Recommendation is the statements about what something should happened. Here, the writer gives recommendation to the reader whether the statements should or should not be done or followed.

- b) Classification Essay

- 1) Introduction

Introduction explain about what topic that the writer wants to talk about. It can also explain to the readers about the purpose of the essay.

- 2) Body of Paragraph

It usually consists of three or more paragraphs with different category. It discusses about the strengths or weaknesses related to the topic in introduction.

3) Conclusion

Here, the writer pulls together all the categories that have been discussed in the body of paragraph. The writer draws a conclusion and may also recommend one of the categories.

2. Error Analysis

a. The Nature of Error

Error in language acquisition is one of important process to get the higher knowledge by the learner. Error may occur because of the learner lack of knowledge. It can also occur in both field either oral or written. Dulay and Burt (in Brown, 1994) consider error as “goofs”. It has meaning that error is a deviation from the grammar rule of native speaker which reflects the learners’ inter language competence. It can be called as competence error when learners make errors because of the lack of knowledge about the grammar rules of the target language then they cannot be able to correct the errors by themselves and need guidance to correct the error from teacher or someone that have more knowledge about the grammar rules of the target language. Davis and Pearse (2002) state that errors are integral part of language learning and it is not a failure. Error gives big contribution in language understanding. Trough the error the learners learn the correct and the incorrect which means it gives them more knowledge in many ways.

From the definition above, it can be concluded that error is systematically cannot be avoided in the process of language learning.

Error in language learning is an unconscious mistake made by the learners because they do not master yet the rule of the language.

b. Definition of Error Analysis

According to Brown (1994) error analysis is a type of linguistic analysis which focuses on the learners' errors that made in the learning process. In analyzing the errors there are some processes such as observing, analyzing, classifying the deviation of the second language's rules and then revealing the system that operated by the learners. Error analysis is an important source that gives information to the teacher. It contains information about the errors made by learners that helps the teacher to correct it and improves the effectiveness in the teaching and learning process.

Ellis (2008) states that error analysis is a tool that is used to investigate the process of the learners doing the second language acquisition. Meanwhile, Taylor (1997) defines that error analysis as the study and evaluation about the uncertainty of the measurement. It means that error has important and positive role in language learning because it is the sign that learner do not learn the rules of second language effectively. From that, the teacher knows how to analyze and prevent the error made by the learner in the next time.

Furthermore, Erdogan (2005) states that error analysis deals with the performance of the learners in terms of the cognitive process that is used to recognize the result of the target language learning. In this

definition, the primary focus of error analysis is on the evidence that error made by the learner provides understanding of the underlying process of the second language acquisition.

From the several definitions that proposed by the experts, it can be summed up that error analysis is an activity to identify, classify, and describe the errors that made by learners in the process of learning of second language. From the result of the error analysis, the teacher can use it as the evaluation to improve the teaching and learning process so it can be effective and the errors can be decreased.

3. Types of Error

Dulay (1982) categorizes errors into four types, as follows:

a. Linguistic Strategy Taxonomy

Linguistic strategy taxonomy classifies errors according to language components and the particular linguistic constituent. Language components consists of phonology (pronunciation), semantic and lexicon (meaning and vocabulary), syntax and morphology (grammar), and the last is discourse (style).

b. Surface Strategy Taxonomy

Surface strategy taxonomy is associated with the way the surface structure is changed by the error that is made by the students. Students may omit words, add unnecessary words, make misformation and disorder in the sentence. Dulay (1982) states that surface strategy taxonomy is divided into four categories, they are:

1) Omission

Omission is a type of error which means that the absence of one or some items that must appear in the sentence to make a well-formed utterance. In a morpheme or word can be identified into two classes, those are content words and grammatical words. Content words are those that carry some referential or semantic meaning in the sentence such as noun, verb, adjective, adverb and many more. While grammatical words or usually known as function words are the words that act only to provide grammatical information and syntactic agreement. It has little or no semantic content and plays minor role in carrying the meaning of a sentence. Function words include noun and verb inflection (-s, ed, ing), articles (a, an, the), auxiliaries (is, am, are, was, were, will, shall, etc.), and preposition (in, on, at, or, etc.). students are more frequently omit grammatical words than content words.

e.g., John is the smartest student in his class

The sentence above mentions both the content words and grammatical words. Content words include *John, smartest, student, his class*. Meanwhile grammatical words in the sentence are *is, the, and in*. In a certain case student write *John is smartest student in his class* which is in the sentence the students omit grammatical word *the*.

2) Addition

Addition is kind of error where there is a presence of an item that it should not appear in a sentence. There are three kinds of addition, they are:

a) Regularization

Regularization is an error because there is an addition morpheme to the exceptional items.

e.g. writted instead of wrote

putted instead of put

b) Double marking

Double marking means that there are two items marked for the same feature.

*e.g. He **does not works** in Jakarta*

it should be he does not work in Jakarta

c) Simple addition

Simple addition happens when there is a use of an item that should not appear in a well-formed sentence.

e.g. The computers does not work

the correct sentence is the computer does not work.

3) Misformation

Misformation is the use of the wrong form of linguistic structure.

There are three kinds of misformation, as follows:

a) Regularization

In the misformation, regularization is when the regular marker is used to replace irregular one.

e.g. runned for run

b) Archi-form

Archi form is the selection of one member of class of forms to represent others.

e.g. I love she

it should be *I love her*

c) Alternating form

Alternating form usually occurs because of the students' vocabulary and grammar development.

e.g. These car

it should be *these cars*

He written me a poem yesterday

It should be *he wrote me a poem yesterday*

4) Misordering

Misordering error is the incorrect placement of a morpheme or group of morphemes in an utterance.

e.g. How beautiful is she

it should be *how beautiful she is*

e.g. Where you are?

It should be *where are you?*

c. Comparative Taxonomy

Comparative taxonomy classifies error based on the comparison between the structure of target language to the other types of construction. There are four categories, those are:

1) Interlingual error

Intralingual error or developmental error is similar to those made by children learn target language as their first language. In this error the students fail to apply the target language's rule because they lack of knowledge and assume that the rule of source language and target language is similar.

e.g I am boring

it should be *I am bored*

2) Intralingual error

This error refers to the mother tongue interference or negative transfer. It reflects native language structure regardless of the internal process or external conditions that spawned them.

e.g The flower blue

The correct sentence should be *The flower is blue*. It happens because there is interference from the native language.

3) Ambiguous error

Ambiguous error can be classified equally as interlingual and intralingual error. It is because of the error reflects the learners'

native language structure and the types that found in the written work of the children acquiring English as the first language.

e.g She happy

The sentence should be *She is happy*. The error may be caused by the learner grammar knowledge or the sentence that is produced by children who acquire English as the first language.

4) Unique error

Unique error is categorized as the error when if there is any error but do not fit in any comparative taxonomy.

d. Communicative Effect

Communicative effect is associated with errors from the perspective of their effect to the reader or listener. It focuses on distinguishing between errors that seem to cause miscommunication. Error based on communicative effect is divided into two categories, those are:

1) Global Error

Global error is the misuse of structure that give big damage or breakdown to the communication. As a result of the misuse so it influences the comprehension of the sentence.

2) Local Error

If there is an error in sentence, but it will not ruin the communication. Even though error is found in the sentence but the sentence can be still understood by the listener or reader.

4. Source of Error

Brown (1994) states that there are four sources of error in language learning.

a. Interlingual Error

Interlanguage error is very affected by the native language. It is due to the learners get the first language habits include rules, system, or pattern that interfere and prevent the learners from acquiring the rules and pattern of the second language. It is also because the learners have not been familiar with the second language system.

e.g learner say “*Deer*” for “*Dear*”

b. Intralingual Error

This error occurs and made by students who have begun to learn the parts of target language but still lack of competence.

e.g *I can **singing** this song*

c. Context of Learning

Context of learning refers to the classroom situation that is create by the teacher and the materials. It causes the faulty of the students about the language. Sometimes the teacher gives incorrect information or explanation that may cause error includes misleading definition, word, and grammatical generalization.

d. Communication Strategies

The techniques of the learners learning English may affect the learners in making the errors.

5. Grammar

a. Definition of Grammar

Grammar is one of important parts in language which can form sentence well and communication runs successfully and effectively. To comprehend a language, people should know the grammar rule about the language they use. According to Thornbury (2004) grammar is a study about what forms or structure are possible in a language. Similarly with Swan (2005) who says that grammar is the rules that show how words are combine, arranged, and changed to give certain kinds of meaning.

Ur (1996) defines grammar as the way of words are put together to make correct sentence. The proper and correct sentence are formed by a number of words by using grammar rules so that the sentence can be understood by speaker and listener. Meanwhile Harmer (2002) states that grammar of a language is the way of words change their forms and combine into sentence in that language. Grammar focusses with analysis about the rules how the sentences are formed in a language.

From the definitions above, the researcher can conclude that basically grammar is a rule of language which arranges how words are formed to be correct sentence to deliver meaning so it can be received properly.

b. Grammatical Category

Barkhudov (in Iriskulov, 2006) states that a language has grammatical category that represents linguistic phenomenon which has a general grammatical meaning consists of at least two particular meaning that are opposed each other. Those grammatical categories are:

- 1) It has general grammatical meaning of number
- 2) It consists of two particular meaning, singular and plural
- 3) Singular is opposed to plural, they are antonymous
- 4) Singular and plural have their own constant grammatical

c. English Grammatical Aspects

Lyons in Soetikno (1995:267-269) classifies grammatical aspects into three categories, those are primary category, secondary category, and functional category.

1) The Primary Category

The primary category of English grammatical aspects known as word classes or usually called as part of speech based on the role they play in a sentence, those are:

a) Noun

Noun is a word that has function as the name of person, place, thing, living creature, action, quality, or ideas. Noun is not included to the semantic category. Noun is also used in a sentence as subject or object of verb or as object of preposition. Noun is classified into six types, as follows:

i. Common Noun

Common noun is noun which refers to things in general. It is also divided into countable noun and uncountable noun.

e.g. car, girl, table (countable noun),
water, butter, money (uncountable noun)

ii. Proper Noun

Proper noun is a name to specific person, place or thing. Proper noun usually begun with capital letter.

e.g. John, London, Monday

iii. Concrete Noun

Concrete noun is used to name things which physically exist that can be seen, touched, heard, and tested.

e.g. house, book, cow, tree

iv. Abstract Noun

Abstract noun is the name of things that have no physical form. It can be conditions, ideas, or qualities.

e.g. happiness, improvement, sadness, belief

v. Collective Noun

Collective noun refers to the group of people or things.

e.g. team, government, family, readers

vi. Compound Noun

Compound noun is noun that consists of more than one free morpheme, it can be two or more.

e.g. seafood, housekeeper, football, mother in law

b) Verb

Verb is defined as the word that show an action, state of being, and condition. Verb describes what the subject is doing. There are three kinds of verb, they are:

i. Action verb

It tells an action. It explains if person, animal and another object can do.

e.g. eat, work, write, read

ii. Linking verb

Linking verb is used to connect a subject to the following information. It can be predicate, adjective, or predicate noun.

The most common linking verbs are

to be (am, is, are, were, was, etc.), appear, feel, grow, look, taste, turn, etc.

iii. Helping verb

Helping verb is also known as auxiliary verb. It is used with the main verb to express the main verb's tense, mood, or voice.

To be (am, is, are, was, etc.)

To have (has, have, had, having, will have)

To do (do, does, did, will do)

Modals (will, can, may, could, etc.)

c) Adjective

Adjective is a word that modifies a noun or noun phrase.

e.g good, bad, angry, clean

There are two types of adjective:

i. Proper adjective

It is formed from proper noun.

*e.g **Italian** movie, **Indian** customs, **Javanese** people*

ii. Compound adjective

It consists of two or more words.

e.g good looking, last minute, newly arrested

d) Adverbs

Adverb is a word or phrase that qualifies or modifies a verb, adjective, or another adverb. It tells about how, where, when, how much, and what frequency.

e.g peacefully, quickly, here, there, today, quite

e) Pronoun

Pronoun is a word that is used in place of a specific noun which is mentioned earlier in a sentence. It is used to refer a noun which is called antecedent. There are several types of pronouns, such as:

i. Personal pronoun

Personal pronoun refers to a specific person or thing. The forms change to indicate person, number, gender or case.

Personal pronoun is also divided into three categories:

- Subjective personal pronoun is pronoun that act as a subject in a sentence.

e.g I go to the market

- Objective personal pronoun is a pronoun that act as the object in the sentence

e.g He said that there are so many people like us

- Possessive personal pronoun is a pronoun that shows possession. It defines a person or thing that own a certain object.

e.g Is this your book?

ii. Demonstrative Pronoun

Demonstrative pronoun is a pronoun that points to and identify a noun or pronoun. Demonstrative pronouns are *this, these, that and those*.

iii. Interrogative Pronoun

Interrogative pronouns are used to ask question, those are *who, whom, which, what*.

iv. Relative Pronoun

Relative pronouns are used to link one phrase or clause to another phrase or clause. They are *who, whom, that, which, whoever, whomever, whichever*.

v. Indefinite Pronoun

It refers to an identifiable, but not specified person or thing.

These are common indefinite pronouns, *all, another, any, anybody, anything, each, everybody, everyone, everything, few, many, none, etc.*

vi. Reflexive Pronoun

Reflexive pronoun refers back to the subject of the clause or sentence, they are *myself, yourself, itself, herself, himself, ourselves, themselves, yourselves*.

vii. Intensive Pronoun

It is used to emphasize to the antecedent.

e.g I myself do it perfectly

You yourself are really mean to me

f) Preposition

Preposition is a word or group of words which is used before a noun, pronoun, or noun phrase to show direction, time, place, location, spatial relationship, or to introduce an object.

i. Preposition of Direction

It consists of *to, into, in, on, onto*

*e.g I drive **to** the suburb*

*it is divided **into** two categories*

ii. Preposition of Time

It is used to point the time, they are *in, on, at*

*e.g I read the novel **in** the evening*

*She goes to school **at** 7 A.M*

iii. Preposition of Place

*e.g The ball is **in** the corner*

*I put the book **on** the table*

*There are so many cards **inside** the box*

g) Conjunction

Conjunction is a word to connect words, phrases, clauses or sentences for constructing longer sentence. there are three types of conjunction, those are:

i. Coordinating Conjunction

It is used to connect two words, phrases, or clauses which are parallel in structure. There are several common conjunctions, they are *and, but, for, nor, or, so, yet*

*e.g We buy a cup of coffee **and** spaghetti*

*she still confused to choose black **or** white*

ii. Corelative Conjunction

Correlative conjunction is used to connect a contrast or compare the equal parts of a sentence. The correlative conjunctions are *not only – but also*, *either – or*, *neither – nor*, *both – and*, *not – but*, *whether – or*.

e.g ***Either John or Billy can play football.***

*He buys **not only** the flower **but also** the chocolate*

iii. Subordinating Conjunction

Subordinate conjunction joins an independent clause with a dependent clause. There are several subordinators, as follow: *after, before, although, as, as far as, as though, even though, because, even if, in order, since, that, unless, whenever, whereas, wherever, while, than, rather than, whether, etc.*

e.g ***After the dinner, we will go to the movie***

*She comes to your house **because** she cares*

h) Determiner

Determiner is a word placed in front of a noun to specify quantity or to clarify what the noun refers to. Determiners can be classified into four, as follow:

i. Article (*a, an, the*)

ii. Demonstrative (*this, that, these, those*)

iii. Possessive (*my, your, his, her, its, our, their*)

iv. Quantifier (*common examples include much, many, much, more, most, some*)

i) Interjection

Interjection is a part of speech that shows the emotion of feeling the author. The words or phrases can stand alone or be placed before or after sentence.

e.g Ouch! It feels so hurt.

Shhhh! Just be silent!

Yeahh! I love chocolate.

2) The Secondary Category

1. Number

According to Galasso (2002) number is an additional function feature that shows the contrast between singular and plural form. Number is always related to something that countable. Nevertheless, not all languages have a grammatical category of number, and those that do not necessarily view countability in the same sense.

e.g car – cars, tooth – teeth, fish – fish, goose – geese

2. Gender

Gender shows that noun or pronoun is classified to male or female in the source language. It consists of three categories, they are masculine, feminine, and neutral which is based on whether they require to *himself, herself or itself*.

3. Case

According to Galasso (2002) case has structural meaning which is recognized dependent upon where the pronoun stands in the sentence. There are three kinds of case in English, they are subjective, objective, and possessive. Subjective is when a noun or pronoun stands as the subject in the sentence. It is called as objective when the noun or pronoun stands as the object. While possessive case indicates about the relation of belongingness between two nouns or between noun and pronoun.

4. Person

Person in English grammar is defined as the way of someone stands in the sentence. Person is divided into three categories, such as the person who is talking (first person), person who is being talked to (second person), and the person who is being talking about (third person). First person consists of *I* and *we*, second person consists of *you*, and third person consists of *he*, *she*, *it*, *they*.

5. Tense

Tense is the way to indicate the time, the continuation or completeness of an action. Besides, it is also used to state whether the action is in the past, present or future. There are twelve tenses that commonly taught in English grammar:

i. Simple Present Tense

Pattern : **Subject + am, is, are/V1 + Object**

According to Anggraini et.al (2015), there are four functions of Simple Present Tense, they are:

- For repeated or regular action in the present time period

e.g I ride a bicycle to the school
she goes to the office at 7 a.m everyday

- For facts

e.g We have two hands and two legs
I am 17 years old

- For habits

e.g John drinks a glass of milk every morning
Milly sweeps the floor in the morning

- For things that are always or generally true

e.g Mr. Jokowi comes from Solo
There is snowfall a lot in winter

ii. Present Continuous Tense

The function of this tense is used to state the events that is happening at this time, things happening around now, and short-term situations.

Pattern : **Subject + am, is, are + Ving + Object**

e.g I am reading Harry Potter novel

The bell is ringing

iii. Present Perfect Tense

Present Perfect Tense is used to describe things, action, or experience that happened in the past but there is a result in the present and represent a duration of a single event or action which ends with the moment of speaking or shortly before it.

Pattern : **Subject + have/has + Verb3 + Object**

e.g I have seen the movie

Milly has learned Spanish.

iv. Present Perfect Continuous Tense

This tense is used to show an action or event which extends over a period of time that begin in the past, present, and may continue until the future.

Pattern : **Subject + have/has been + Ving + Object**

e.g Marsya has been learning Badminton for five months.

I have been waiting for you until my hair is grey.

v. Simple Past Tense

Simple Past Tense is used to state an event or action that happened in the past.

Pattern : **Subject + was, were/V2 + Object/complement**

e.g She was rich

I did my homework yesterday

vi. Past Continuous Tense

Past Continuous Tense is used to show that something is in the progress that happened in the certain time at the past.

Pattern : **Subject + was, were/Ving + Object/complement**

e.g I was reading a book

They were playing football

vii. Past Perfect Tense

Past Perfect Tense is a form of verb that is used to show an action that completed in the past before the other events happened.

Pattern : **Subject + had + V3 + Object/complement**

e.g Sam had eaten the burger when his dad came

I had lived in America before I moved to Indonesia

viii. Past Perfect Continuous Tense

This tense is used to show an action that happening for a period of time before a certain time in the past.

Pattern : **Subject + had been + Ving + Object/complement**

e.g They had been playing chess for two months.

We had been standing on the line before the store was opened.

ix. Simple Future Tense

Simple Future Tense is used to talk about plan that will be done at the future.

Pattern : **Subject + Will/be going to + V1 + Object/complement**

e.g I will go to Surabaya tomorrow.

Sarah is going to buy some meals this afternoon.

x. Future Continuous Tense

It indicates that plans will be happening in the future and continue for some time in the future.

Pattern : **Subject + Will be + Ving + Object/complement**

e.g I will be seeing you this week.

Smith will be studying Math at the library tonight.

xi. Future Perfect Tense

This tense is used to state that something will be completed at some point in the future.

Pattern : **Subject + will have + V3 + Object/complement**

e.g Joana will have cooked our dinner.

The plant will have grown by then.

xii. Future Perfect Continuous Tense

This tense is to describe the duration about the action that will continue until a point in the future.

Pattern : **Subject + will have been + Ving + Object/complement**

e.g In June, I will have been playing role in movie for ten years.

I will have been waiting for a year to buy this stuff.

6. Mood

Mood in English grammar can be described as the attitude of the speaker toward the subject. There are three moods in English grammar, those are:

i. Indicative

Indicative mood tells the factual statement.

e.g The car is very fast

ii. Imperative

Imperative mood is used to give command or request.

e.g Write down your name here!

iii. Subjunctive

Subjunctive is used to express something that the condition is doubtful, hypothetical, wishful or something that not factual.

e.g I wish you were here

7. Voice

Voice in English grammar refers to the structure of a sentence. It shows the relationship between the action of the verb toward the subject. There are two voices such as active voice and passive voice.

i. Active Voice

In the active voice, the subject performs the action.

e.g Mom cuts the yarn

ii. Passive Voice

In the passive voice, the subject is the recipient of the action.

e.g the yarn is cut by Mom

3) Functional Category

According to Galasso (2002) functional category is a class of words that have no substantive meaning, and thus it is added to the sentence not to give concrete information but it is added to the sentence to serve some functional words.

a) Subject

Subject is the person, thing, or idea that is doing or being in the sentence. It shows who or what is performing the action.

b) Predicate

Predicate tells something or giving information about the subject.

c) Object

Object is the person or thing that receives the action of the verb in the sentence.

B. Previous Related Studies

There are some related researches that have been done by other researchers. Those researches are used by researcher to give guideline and support in doing this research. The first previous study is “An Analysis of Grammatical Error in Thesis Abstract at English Department of Muhammadiyah University of Makassar” by Suci Rahmayani (2020). The aim of the study is to find out the types of grammatical errors in student’s thesis abstract based on the surface strategy taxonomy. The result showed that there were 10 items or 20% of omission error, 3 items or 5% of addition error, 4 item or 8% of misordering error, and 34 items or 67% of misformation error. It shows that the most common error occur in students’ thesis abstract is misformation. Besides, the research also pointed out the causes of the grammatical error made by the students. The errors occurred because of there were carelessness, first language interference, and translation.

Based on the second previous research, there is found a similarity with this research. The previous research classified error based on surface strategy taxonomy. This research uses surface strategy taxonomy as well. the previous study uses surface strategy taxonomy in a broad outline, while in this research, researcher classified again the error in more specific way.

The second previous study is conducted by Indriana Widyaningsih (2022) entitled “Analysis Students’ Error in Simple Present Tense Based on Surface Strategy Taxonomy at the Third grade of SMP Negeri 3 Bontomarannu. The aim of the study is to analyze the types and total of errors in the using of simple present tense in descriptive text made by students based on the surface strategy taxonomy. The result showed that there are 32 errors or 50% for omission, 17 errors or 26,6% for addition, 10 errors or 15,6% for misformation and 5 errors or 7,8% for misordering

There is similarity between the second previous study and what have been researched in this research. Both of these studies analysed errors based on surface strategy taxonomy by Dulay’s theory. The second previous study was conducted the study to analyze the types of error only in the using of simple present tense in descriptive text by third grade students of Junior High School. Meanwhile, the researcher analyze the types of errors in the whole text of classification essay made by third semester students.

Third, a related study from Journal of English Language Teaching that is conducted by Putri Karmilah and Don Narius (2017) entitled “Error Analysis

in Writing Discussion Text Made by Students at English Department of Universitas Negeri Padang”. The main objective of the study is to find the usual grammar error made by English Language students of Padang State University in writing discussion text. The discussion text is analysed based on surface strategy taxonomy by Dulay. The finding shows that there are 260 errors occur in the students writing with details 132 errors or 50,77% of omission, 75 errors or 28,85% of misformation, 39 errors or 15% of addition, and 14 errors or 5,38% of misordering. From those errors categories, the fourth previous study describes the categories more focus. First, in omission consists of article, punctuation, verb inflection, noun inflection, subject, preposition and auxiliary. Second, the addition contains addition of -s, -ed, and -ing, addition of verb inflection, noun inflection, conjunction, and auxiliary. Third, misformation, consist of misformation of verb, noun, auxiliary, pronoun, preposition and adjective. The last misordering consists of misordering of adjective phrase and sentence pattern.

Based on the third previous study, the similarities found at the classification of errors, things that make them difference is the sub categories of surface strategy taxonomy. In this research, researcher only analysed error based on surface strategy taxonomy thoroughly, but the fourth previous study focus on the specific area.

The fourth is a study entitled “An Analysis of Grammatical Errors in Students’ Writing” by Putri Mufidah and Syaiful Islam (2022). The study was

conducted in the second grade of Nurul Jadid Islamic Senior High School. The study is aimed to analyze the most common grammatical error in students' writing based on the surface strategy taxonomy by Dulay. The data of the research was taken from 10 students' analytical exposition writing. The result of the study showed that there are 155 errors found in the students' writing composition. The omission error is 44%, addition error is 27%, misformation error 23%, and misordering error is 6%. The result showed that omission is the most common error made by students.

Based on the fourth previous study, the researcher underlined some differences with this study. The differences are located in the subject of the research and the kind of writing that will be analyzed. The research is conducted in the second grade of Senior High School by taking their analytical exposition writing, while this researcher conducted the research in the third semester student by taking their classification essay. Moreover, both of this research analyzed errors based on the surface strategy taxonomy by Dulay's Theory.

Table 2.1. Previous Related Study

NO	TITLE	AUTHOR	SIMILARITIES	DIFFERENCES
1.	An Analysis of Grammatical Error in Thesis Abstract at English Department of Muhammadiyah University of Makasar	Suci Rahmayani (2020)	Analysing errors based on surface strategy taxonomy by Dulay's theory	Suci Rahmayani conducted the research by analyzing thesis abstract of graduated student. While in this research conducted research by analyzing academic writing of the third semester students. Besides, Suci

				Rahmayani also conducted the study to find out the source of the error, while the researcher only focus to find the most common error produced by students.
2.	Analysis Students' Error in Simple Present Tense Based on Surface Strategy Taxonomy at the Third grade of SMP Negeri 3 Bontomarannu	Indriana Widyaningsih (2022)	Analysing errors based on surface strategy taxonomy by Dulay's theory.	Indriana was conducted the study to analyze the types of error only in the using of simple present tense in descriptive text by third grade students of Junior High School. Meanwhile, the researcher analyze the types of errors in the whole text of classification essay made by third semester students.
3.	Error Analysis in Writing Discussion Text Made by Students at English Department of Universitas Negeri Padang	Putri Karmilah and Don Narius (2017)	Analysing errors based on surface strategy taxonomy	Putri categorized surface strategy taxonomy more specific than this research. While in this study , the researcher only analyzed errors based on surface strategy taxonomy in a broad way.
4.	An Analysis of Grammatical Errors in Students' Writing	Putri Mufidah and Syaiful Islam (2022)	Analysis errors based on surface strategy taxonomy by Dulay's theory.	Putri Mufidah and Syaiful Islam analyzed the analytical exposition writing by second grade students of Senior High School, while in this research, the researcher analyzes the classification essay of the third semester students.

CHAPTER III

RESEARCH METHODOLOGY

This chapter discusses about the method of the research. It consists of research design, research setting, data and source of data, research object, technique of collecting data, data coding, technique of analyzing the data, and trustworthiness.

A. Research Design

This research applied case study method with qualitative approach because the main of the research is to describe some variable in the language writing. Case study is expected to catch the complexity of a single case, a single learn even a single toothpick, and has unique complexity-study (Stake, 1995). Meanwhile, Ary defined that case study is a type of qualitative research which has focus on individual or case of group. The researcher tries to discover all the variables that are important in the history or development of the subject.

According to Denzin and Lincoln (2009) qualitative research is multimethod in focus, involving an interpretive, and naturalistic approach to the subject. It means that qualitative research is study about the natural setting, interpret the phenomena to bring people in to the research. After collecting the research data, the researcher descriptively reports the finding. The condition of the research objects should be natural, so that the researcher will get a representative result which is the result is the conclusion of the research.

The researcher chooses this research design because the researcher wants to describe the phenomena about grammatical error in classification essay

that made by third semester students of English Language Education of UIN Raden Mas Said Surakarta. This research belongs to the content analysis with qualitative approach because the researcher takes the data without giving any treatment to the subject of the research. Besides, after the data is taken the researcher only focus to the explanation of the grammatical error based on surface strategy taxonomy which is made by the students.

B. Research Setting

1. Place

The research was conducted in UIN Raden Mas Said Surakarta which was located in Jalan Pandawa, Pucangan. Kartasura, Sukoharjo.

2. Time

The research was conducted on December 2022. The data collection was held after the third students finished their writing task.

C. Research Subject

Subject in research is the person that the researcher takes information which is needed in the research. The researcher conducts the research in English Language Education students. The subject of the research is class H in second semester which consists of 27 students and class I that consists of 24 students. From the total population 226 students from class A - I, the researcher chooses both class because those classes get Writing for Academic Purposes which more focus in argument development. In class H and I were taught about hortatory text and classification text which requires students to state and develop their argument.

D. Data and Source of Data

1. Data

According to Miles and Huberman (1994) data in qualitative research usually in the form of words rather than numbers. As Sutopo (2002) states that qualitative data research is a collection of information in the form of words in sentences which is meaningful. Based on the definition above, the data in this research is the students' writing product which consists of grammatical error made by third semester students of English Language Education of UIN Raden Mas Said Surakarta.

2. Source of Data

Source of data in research is where the data come. The data in this research is taken from students' writing product. So that, the source of the data is the overall students' writing product more specific is the academic writing from. The data is taken from class H and class I that have been done the mid-term test. The researcher takes the data from the writing lecturer which has coordinated with the researcher before.

E. Research Instrument

According to Sugiyono (2013), research instrument in qualitative research is the researcher himself who goes directly to the field to collect the data who has the role to determine the focus of the research, select the data sources, collect the data, assess data quality, analyze data, interpret data and draw the conclusion. So, in this research the researcher act as the main instrument or it can be called human instrument. Moreover, the main instrument needs a

helping instrument in the form of documentation to analyze the grammatical error in students' writing.

F. Technique of Collecting Data

In collecting the data research, there are some techniques to get the reliable data. According to Sugiyono (2013) there are four techniques of collecting data, those are observation, interview, triangulation and documentation. In this research, the researcher use documentation as the technique of collecting the data due to the researcher use the document in the form of the students' writing. Sugiyono (2013) also explains that documentation can be picture, writing, or monumental works by someone to obtain some information. The researcher collects the students' writing product that done by third semester students of English Language Education of UIN Raden Mas Said Surakarta to be documented. The researcher take two classes that is class H which consists of 27 students and class I that consists of 24 students, so the total of the students are 51.

G. Technique of Analyzing Data

According to Ellis (1985) there are some procedures in analyzing the data research. those procedures can be explained as follows:

1. Collecting the sample of learners' writing.

Firstly, the researcher collects the student's writing specifically the daily task of the academic writing. The researcher asks permission to the writing lecturer and ask him the file of the students' writing to be copied and analyzed according to Dulay's theory.

2. Identifying the errors

After collecting the student's writing, the errors are classified into four subcategories based on surface strategy taxonomy by identifying the students' writing that is found in the clauses or sentences. In a sentence it can be found more than one errors. The researcher will make it on a table then classifies them in which categories. If it is happened, they are classified separately.

3. Classifying the errors

The data that have been identified before, then classified and interpreted according to the types of error systematically whether it is included to the omission, addition, misformation, or misordeing. In classifying the errors, the researcher

4. Explaining the errors

The next step is finding out the frequency of errors based on the types of errors. The calculation is conducted in every sentence. The researcher will explain what type of the error, why it can be categorized as error, and what it should be. For example, there is a word *mens*. The word is incorrect and categorized as addition error because there is addition of "s", while "men" it self represents plural form so it does not need "s" at the end of the word. The correct one should be "men" not "mens"

5. Errors evaluation

The last step is doing the errors evaluation by tabulating the errors to get the percentage of each category. The result of the percentage calculated and draw up to the table by using the formula as follows:

$$P = \frac{F}{N} \times 100\%$$

P = Percentage

F = Number of errors

N = Total number of errors

H. Technique of Data Coding

The researcher used code to analyze the data. In this research, there some code used to help the researcher in analyzing the errors made by the students.

1. S1, means that the datum is the student number 1
2. In doing the students' writing correction, the researcher will use some signs to show the error words. To show the omission error the researcher will use underline to the error words, to show the addition error by bolding the error words, drawing a circle for misformation, and the last is drawing a rectangular to the error words for misordering error.

Example: There is some benefits

The text above indicates that there is an misformation error by looking at the word "is" which has underline form.

I. Trustworthiness

Trustworthiness according to Moleong (2014) is a situation that demonstrate the right value, provide the basic understanding, and allow the external decision that influence the consistency of the procedure and the neutrality of the finding and discussion, and also the credibility. In order to get the trustworthiness of the study result, the researcher uses triangulation. Cohen (2007) defines that triangulation is a technique of physical measurement that has a way of demonstrating validity especially in qualitative research. There are three types of triangulations, those are:

1. Theoretical Triangulation

Theoretical triangulation draws upon alternative or competing theories in preference to utilize only one point of view.

2. Methodological Triangulation

It is uses either same method on different occasions or different method on the same object study

3. Investigator Triangulation

Engage some observers to make the data more valid. It is preferable if the data analyzed by more than one observer

The researcher uses investigator triangulation in doing the data validity. The researcher discusses the data finding with one of English teacher as the validator. The validator will check the data that have been analyzed by the researcher. As the result, if the data considered valid by the validator, the findings will be entered to the report.

The validator of this research is Miss Fatiha Najma Yustisia, S.Pd. She is an English teacher at Interactive English Language Centre (IELC) English Campus Solo who has many achievements in educational field. She has also won several competitions in essay writing and English speech. In addition, she has many experiences in teaching. Now she is candidate of Monash University Postgraduate Student.

CHAPTER IV

FINDING AND DISCUSSION

In this chapter, the researcher describes the result of the research. This chapter divided into two sub chapter, Finding and Discussion. The Research Finding describes the result of the data analysis of the grammatical errors in academic writing made by third semester students of English Education Department of UIN Raden Mas Said Surakarta. Meanwhile the Discussion presents the detailed description of the data finding.

A. Research Finding

The researcher has collected the data in the form of documentation which become the main instrument of the research. The researcher collect data from the academic writing especially classification essay from third semester students of English Language Education of UIN Raden Mas Said Surakarta. The writing lecturer asked students to man a classification essay without giving certain topic. The researcher chooses two classes, class H and I with the total number of 51 students, 27 students from class H and 24 students from class I. After analyzing the data, the researcher found 174 grammatical error included omission, addition, misformation, and misordering. The first grammatical error that committed by students is omission with total number 49 errors or 28,16%, the second is addition there are 25 errors or 14,37%, the third is misformation with total number 85 errors or 48,85%, and the

last is misordering with 15 errors or 8,62%. In order to present the findings that the researcher has found, these finding will be described as follows:

Table 4. 1 Number of The Types of Error

NO	Types Of Error	Number of Errors	Percentage
1.	Omission	49	14,37%
2.	Addition	25	14,37%
3.	Misformation	85	48,85%
4.	Misordering	15	8,62%
Total		174	100%

1. Types of grammatical error made by students

a. Omission

Omission error is defined as the absence of required item.

From the data of 51 students, there are 49 omission errors occurred in their writing with the percentage of the errors reached 28,16%.

Table 4. 2. Omission Errors

No	Name	Sentence	Correction	Type of Errors
1	S1	... easier to see things up <u>close</u> and far	... easier to see things up <u>closed</u> and far	Omission
2	S1	Minus glasses character <u>marked</u> with Diopter size (d)	Minus glasses character <u>is marked</u> with Diopter size (d)	Omission
3	S1	So, <u>need</u> glasses to facilitate vision	So, <u>they need</u> glasses to facilitate vision	Omission
4	S2	<u>One</u> that is criticized concretely is the relationship ...	<u>The one</u> that is criticized concretely is the relationship ...	Omission

5	S2	... to respond to <u>behavioristic</u> learning theory ...	... to respond to <u>the behavioristic</u> learning theory ...	Omission
6	S2	... in learning designs according to <u>needs</u>	... in learning designs according to <u>the needs</u>	Omission
7	S3	How to play soccer <u>by</u> passing, controlling, dribbling, ...	How to play soccer <u>is</u> by passing, controlling, dribbling, ...	Omission
8	S3	Smasher player position <u>ideal</u> for ...	Smasher player position <u>is ideal</u> for ...	Omission
9	S5	Characteristic of striated <u>muscle the</u> cells have fibers that ...	Characteristic of striated <u>muscle is</u> the cells have fibers that ...	Omission
10	S6	... and <u>lacks political</u> and emotional content ...	... and <u>lacks of political</u> and emotional content ...	Omission
11	S8	Among the coffees <u>are</u> three of the best coffees in Indonesia,	Among the coffees <u>there are</u> three of the best coffees in Indonesia,	Omission
12	S9	The fans <u>from</u> various circles.	The fans <u>are from</u> various circles.	Omission
13	S17	<u>First</u> , is anxiety disorder	<u>The first</u> is anxiety disorder	Omission
14	S21	... Indonesian teenagers make the comedy film genre <u>their</u> favourite genre.	... Indonesian teenagers make the comedy film genre <u>as their</u> favourite genre.	Omission
15	S24	Al-Ijtima' <u>is present</u> as an endeavour for ...	Al-Ijtima' <u>is presented</u> as an endeavour for ...	Omission
16	S25	At this level <u>is</u> also an exam to determine graduation and ...	At this level <u>there is</u> also an exam to determine graduation and ...	Omission

17	S26	<u>Can</u> be classified in the type of ...	<u>It can</u> be classified in the type of ...	Omission
18	S27	Do not let adaptation to the environment <u>make</u> your body tired	Do not let adaptation to the environment <u>makes</u> your body tired	Omission
19	S27	The following are some diseases caused by fungal <u>infection</u> <u>Candidiasis</u> , ringworm, fungal nail infection, ...	The following are some diseases caused by fungal infection <u>those</u> <u>are</u> Candidiasis, ringworm, fungal nail infection, ...	Omission
20	S29	with the unique and classic nature of vintage clothing, and <u>has</u> its own style.	with the unique and classic nature of vintage clothing, and <u>it</u> <u>has</u> its own style.	Omission
21	S29	... street style is not only called a style of dress, but <u>has</u> become a culture.	... street style is not only called a style of dress, but <u>it has</u> become a culture.	Omission
22	S29	... started by urban African-Americans and then <u>continued</u> into the music industry	... started by urban African-Americans and <u>then it is</u> <u>continued</u> into the music industry	Omission
23	S29	... each country is definitely different, and <u>has</u> its own uniqueness.	... each country is definitely different, and <u>it</u> <u>has</u> its own uniqueness.	Omission
24	S32	Animated topic comedy is one example among many <u>topic comedy</u> .	Animated topic comedy is one example among many <u>topics of</u> <u>comedy</u> .	Omission
25	S32	For everyone <u>to</u> reduce stress, laughing is a necessity.	For everyone <u>who</u> <u>needs to</u> reduce	Omission

			stress, laughing is a necessity.	
26	S35	It can also be a barometer or rate whether strong or weak the <u>military</u> .	It can also be a barometer or rate whether strong or weak the <u>military is</u> ,	Omission
27	S38	Pop music is <u>always a hit</u> ,	Pop music is <u>always become a hit</u> ,	Omission
28	S39	Quality Football Leagues in the World	Quality <u>of</u> Football Leagues in the World	Omission
29	S40	... based on various motives ranging from seeking entertainment, supporting, or even <u>blind</u> fanaticism towards the proud team.	... based on various motives ranging from seeking entertainment, supporting, or even <u>having blind</u> fanaticism towards the proud team.	Omission
30	S40	Casual is a new form of hooliganism after they <u>banned</u> by the British government.	Casual is a new form of hooliganism after they <u>were banned</u> by the British government.	Omission
31	S40	Ultras and his way of life can be <u>watch</u> on Ultra film.	Ultras and his way of life can be <u>watched</u> on Ultra film.	Omission
32	S40	From all of the <u>above</u> they have their own way of ...	From all of the <u>streams above</u> they have their own way of ...	Omission
33	S40	The mention of casual itself refers to the style <u>worn</u> .	The mention of casual itself refers to the style they <u>worn</u> .	Omission
34	S41	and <u>is</u> the largest component of all living cells	and <u>it is</u> the largest	Omission

			component of all living cells	
35	S41	Vitamin B9 helps <u>convert</u> the food you eat ...	Vitamin B9 helps <u>to convert</u> the food you eat ...	Omission
36	S42	Firstly, one type of <u>sport</u> is individual sports.	Firstly, one type of <u>sports</u> is individual sports.	Omission
37	S42	The way these sports are played depends on the <u>type</u> of sport	The way these sports are played depends on the <u>types</u> of sport	Omission
38	S43	... dairy products that is popular in the world, and <u>is</u> very popular with all people.	dairy products that is popular in the world, and <u>it</u> is very popular with all people.	Omission
39	S43	... made through a combination of processes <u>freezing</u> and agitation of ingredients consisting milk and milk product,	... made through a combination of processes <u>of freezing</u> and agitation of ingredients consisting milk and milk product,	Omission
40	S43	... made through a combination of processes freezing and agitation of ingredients <u>consisting</u> milk and milk product,	... made through a combination of processes freezing and agitation of ingredients <u>consisting of</u> milk and milk product,	Omission
41	S44	<i>Ngoko Alus</i> <u>not</u> intended when the interlocutor is an older person or a respectable person.	<i>Ngoko Alus</i> <u>is not</u> intended when the interlocutor is an older person or a respectable person.	Omission
42	S44	<u>It used</u> when communicating should be avoided with respectable or older people ...	<u>It is used</u> when communicating should be avoided with respectable or older people ...	Omission

43	S44	The Javanese language is <u>divide</u> in to four levels	The Javanese language is <u>divided</u> in to four levels	Omission
44	S44	The Javanese language is considered <u>the</u> most refined and polite ...	The Javanese language is considered <u>as the</u> most refined and polite ...	Omission
45	S46	Food is basic human <u>need</u> that is needed at any time and ...	Food is basic human <u>needs</u> that is needed at any time and ...	Omission
46	S48	It is important that you determine a healthy weight for <u>you</u> age and height.	It is important that you determine a healthy weight for <u>your</u> age and height.	Omission
47	S49	Films can also be classified <u>according</u> the number of fans.	Films can also be classified <u>according to</u> the number of fans.	Omission
48	S49	<u>Example</u> Jumanji; The Next Level (2019), Game Night (2018), Sazam (2019), ...	<u>The examples are</u> Jumanji; The Next Level (2019), Game Night (2018), Sazam (2019), ...	Omission
49	S50	Word games are similar to quizzes, but have a striking difference.	Word games are similar to quizzes, but they have a striking difference.	Omission

By analyzing the data from the table above, the researcher can describe that the most omission error made by students is they omit grammatical words or function words. As we know that function words include noun and verb inflection (-s, -ed, -ing), articles (a, an, the), auxiliaries (is, am, are, was, were, etc), and

preposition (in, or, at). Some omission errors that found in the students writing are in the sentence “Al-Ijtima’ is present as an endeavour for ...” where it should be presented to become passive voice and well-formed sentence, and “Do not let adaptation to the environment make your body tired” where the word make omitted inflection -s. Another sentence is “The Javanese language is divide in to four levels”. The student omitted inflection -ed in the divide word. The correct one is should be is divided to make passive voice. Some errors in using article are “...to respond to behavioristic learning theory ...”, because of the words “behavioristic_learning theory” considered as specific thing, so the correct one is the student need to add definite article “the” before “behavioristic”. Another omission error is when student omitted subject in the sentence so that makes the sentence is unwell-formed. The example is in the sentence “So, need glasses to facilitate vision”, here the student omitted subject which makes the sentence ambiguous when it is read. The student need to put subject “they” based on the topic discussed in the previous sentence.

b. Addition

After analysing the data, the researcher found 25 addition errors from 176 errors or 14,37%. In order to present the addition errors that found in students writing, the researcher will describe the finding, as follow:

Table 4. 3. Addition Errors

No	Name	Sentence	Correction	Type of Errors
1	S2	... instructional design <u>should be to</u> provide the learner with appropriate stimuli.	... instructional design <u>should</u> provide the learner with appropriate stimuli.	Addition
2	S4	... can be degraded by microbes (putrefactive bacteria) or <u>is biodegradable</u>	... can be degraded by microbes (putrefactive bacteria) or <u>biodegradable</u>	Addition
3	S6	Starting from children, <u>and</u> teenager, to adults.	Starting from children, teenager, to adults.	Addition
4	S8	... which has a texture that is not so thick ...	... which has texture that is not so thick ...	Addition
5	S12	The character of the electrical insulator itself <u>is such that it is</u> able to block ...	The character of the electrical insulator itself <u>is</u> able to block ...	Addition
6	S13	... in Southeast Asia such as Indonesia, Singapore, Thailand, and <u>the</u> Philippines.	... in Southeast Asia such as Indonesia, Singapore, Thailand, and Philippines	Addition
7	S16	Fiber is naturally found in many <u>whole kinds of</u> cereal, ...	Fiber is naturally found in many <u>kinds of</u> cereal, ...	Addition
8	S17	It is important to maintain mental health from <u>an</u> early age.	It is important to maintain mental health from early age.	Addition
9	S18	... that must be owned by every student <u>person</u>.	... that must be owned by every student.	Addition
10	S22	Examples of trading companies <u>there are</u> grocery store, PT Gramedia, ...	Examples of trading companies <u>are</u> grocery store, PT Gramedia, ...	Addition

11	S26	As the name implies, this <u>one</u> leaf bone has an arrangement of curved lines.	As the name implies, this leaf bone has an arrangement of curved lines.	Addition
12	S27	The transition season make <u>it</u> humans have to be ...	The transition season make humans have to be ...	Addition
13	S27	<u>With</u> so many women avoiding the use of powder masks	So many women avoiding the use of powder masks	Addition
14	S29	has its own characteristics such as loose clothing, <u>always using natural materials</u> such as wool, silk and plant fibers	has its own characteristics such as loose clothing, natural materials such as wool, silk and plant fibers	Addition
15	S29	<u>The people</u> who create this street style are young people themselves who create	<u>People</u> who create this street style are young people themselves who create	Addition
16	S29	The people who create this street style are <u>young people</u> themselves who create	The people who create this street style are <u>young</u> themselves who create	Addition
17	S30	... of course, this <u>one</u> leaf bone is shaped like a human finger.	... of course, this leaf bone is shaped like a human finger.	Addition
18	S30	Leaves are <u>an</u> important part that plants must have,	Leaves are important part that plants must have,	Addition
19	S31	The moisturizer that is suitable <u>for use</u> for oily skin is a gel moisturizer.	The moisturizer that is suitable for oily skin is a gel moisturizer.	Addition
20	S32	The last but not <u>mean</u> least that is comedy genre.	The last but not least that is comedy genre.	Addition

21	S44	So, <u>it is use is used</u> to talk to people you already know,	So, <u>it is used</u> to talk to people you already know,	Addition
22	S44	..., there are <u>special's characteristics</u> and their use according to the provision.	..., there are <u>special characteristics</u> and their use according to the provision.	Addition
23	S48	You also must <u>to eat</u> vegetables for nutrition ...	You also must eat vegetables for nutrition ...	Addition
24	S49	... where the mission requires him to do a rescue <u>or.</u>	... where the mission requires him to do a rescue.	Addition
25	S50	Not only indulge the players with stunning graphics, <u>but the</u> genres of video games	Not only indulge the players with stunning graphics, <u>but also the</u> genres of video games	Addition

By analyzing the table above, students did some errors by adding some unrequired words in the sentence. The example is students added article to the words that do not need article before. The sentence "... in Southeast Asia such as Indonesia, Singapore, Thailand, and the Philippines". There should not be article "the" because "Philippines" included as noun that should not preceded by any of article. Another use of article is in the sentence "Leaves are an important part that plants must have, ...". Here, the sentence become ambiguous because of the article "an" whereas the previous words indicate as plural form but it followed by article "an" which indicates singular form. So, the correct sentence is by deleting the article "an". In addition, students often add unnecessary words in the sentence. For

example, in the sentence "... that must be owned by every student person." The word "person" is better to be deleted so the sentence become simpler and do not occur ambiguity. Another sentence is "The people who create this street style are young people themselves who create". Same with the previous sentence, student added unnecessary word in the sentence, the word "young" should not added by "people" because word "young" is enough to use.

c. Misformation

The researcher found there are 85 errors in misformation category from 174 total errors made by students in their writing or 48,85%. Misformation occupies the top position of error committed by the third semester student in writing classification essay. The researcher presents the finding of the research by using a table, as follows:

Table 4. 4. Misformation Errors

No	Name	Sentence	Correction	Type of Errors
1	S1	<u>And</u> everyone's needs has clear said	Additionally, everyone's needs has clear said	Misformation
2	S1	And everyone's needs has clear <u>said</u>	And everyone's needs has clear <u>sight</u>	Misformation
3	S1	... can reduce performance <u>in</u> the eyes	can reduce performance <u>of</u> the eyes	Misformation
4	S1	<u>Which</u> resulted in eye disorders such as minus, ...	<u>It results</u> in eye disorders such as minus, ...	Misformation

5	S1	<u>And</u> they need glasses based on their function	<u>So that</u> , they need glasses based on their function	Misformation
6	S1	<u>That way</u> we can again see...	<u>Therefore</u> , we can again see...	Misformation
7	S1	Cylindrical glasses are made <u>with</u> cylindrical lenses	Cylindrical glasses are made <u>of</u> cylindrical lenses	Misformation
8	S2	Behaviorism is a view that consider a learner <u>basically</u>	Behaviorism is a view that consider a learner <u>fundamentally</u>	Misformation
9	S3	... ideal for <u>smashes or attacks</u> ,	... ideal for <u>smashing or attacking</u> ,	Misformation
10	S4	One of the causes of garbage heaps that are located <u>where is is</u> our lack of awareness ...	One of the causes of garbage heaps that are located <u>everywhere is</u> our lack of awareness ...	Misformation
11	S4	... materials that are not <u>of</u> natural origin ...	... materials that are not <u>from</u> natural origin ...	Misformation
12	S4	Inorganic waste that <u>has a</u> difficult to decompose ...	Inorganic waste that <u>is</u> difficult to decompose ...	Misformation
13	S5	<u>Muscles are</u> one of the important parts for humans.	<u>Muscle is</u> one of the important parts for humans.	Misformation
14	S5	Smooth muscles <u>are of</u> two types,	Smooth muscles <u>have</u> two types,	Misformation
15	S10	<u>Of the</u> three categories of veil, one of the most popular is ...	<u>Those</u> three categories of veil, one of the most popular is ...	Misformation
16	S10	The materials used by pashmina also <u>vary</u>	The materials used by	Misformation

			pashmina is also <u>various</u>	
17	S10	Besides pashmina <u>who</u> need a pin to use it,	Besides pashmina <u>which</u> needs a pin to use it,	Misformation
18	S10	The model and material of the hood can support great confidence <u>in</u> its users	The model and material of the hood can support great confidence <u>to</u> its users	Misformation
19	S11	<u>And</u> is very suitable for use on skin ...	<u>It</u> is very suitable for use on skin ...	Misformation
20	S11	... very suitable <u>for</u> use on skin ...	... very suitable <u>to</u> use on skin ...	Misformation
21	S12	We humans are accustomed to <u>using</u> technology ...	We humans are accustomed to <u>use</u> technology ...	Misformation
22	S12	... from the best to the <u>bad</u>	... from the best to the <u>worst</u>	Misformation
23	S14	Introverts <u>are</u> one of those personality types ...	Introvert <u>is</u> one of those personality types ...	Misformation
24	S15	And the last human personality trait is <u>introversion</u>	And the last human personality trait is <u>introvert</u>	Misformation
25	S16	Therefore, <u>there</u> needs to be a <u>balance</u> between the needs of ...	Therefore, <u>they</u> need to <u>balance</u> between the needs of ...	Misformation
26	S16	... called Macro Nutrients, <u>of which</u> <u>there are</u> 3 such as ...	... called Macro Nutrients <u>which</u> <u>is divided in to</u> 3 such as ...	Misformation
27	S17	<u>To date</u> , no method can prevent bipolar disorder.	<u>Until now</u> , no method can prevent bipolar disorder.	Misformation

28	S19	Various kinds of dishes <u>with each other</u> have their basic ingredients,	Various kinds of dishes <u>which</u> have their basic ingredients,	Misformation
29	S19	The extraction process <u>is</u> cassava that has been peeled ...	The extraction process <u>of</u> cassava that has been peeled ...	Misformation
30	S19	... cassava starch <u>is then allowed to stand</u> so that the starch settles.	... cassava starch <u>is left so</u> that the starch settles.	Misformation
31	S20	... there are other kinds of drinks namely milk.	... there is another kind of drink namely milk.	Misformation
32	S21	Of the 17 genres in Indonesia, there are 4 genres in ...	From the 17 genres in Indonesia, there are 4 genres in ...	Misformation
33	S24	... because we are blessed with something called <u>reason</u>.	... because we are blessed with something called <u>mind</u> .	Misformation
34	S25	... which are categorized <u>that is</u> Elementary School, Junior High School and Senior High School.	... which are categorized <u>those are</u> Elementary School, Junior High School and Senior High School.	Misformation
35	S26	While the <u>leaves to the side</u> will look shorter.	While the <u>sideways leaves</u> will look shorter.	Misformation
36	S27	... which is caused by infection <u>with</u> the corona virus.	... which is caused by infection <u>of</u> the corona virus.	Misformation
37	S28	<u>Wait a time</u> after using it ...	<u>Wait a for a while</u> after using it ...	Misformation

38	S28	This <u>textured powder mask</u> is the most difficult face mask to use.	This <u>powder mask textured</u> is the most difficult face mask to use.	Misformation
39	S29	<u>With this</u> the clothes look very beautiful and beautiful if anyone sees them.	<u>By that,</u> the clothes look very beautiful and beautiful if anyone sees them.	Misformation
40	S29	This casual way of dressing is also <u>of</u> many types,	This casual way of dressing also <u>has</u> many types,	Misformation
41	S30	..., so <u>its look</u> unique to me.	..., so <u>it looks</u> unique to me.	Misformation
42	S30	Different leaf shapes <u>don't mean</u> the plant is flawed,	Different leaf shapes <u>do not indicate</u> that the plant is flawed,	Misformation
43	S30	<u>Of</u> the four types of leaf bones based on their arrangement, namely ...	<u>There are</u> the four types of leaf bones based on their arrangement, namely ...	Misformation
44	S31	Facial care is <u>one way</u> to maintain healthy facial skin.	Facial care is <u>one of the ways</u> to maintain healthy facial skin.	Misformation
45	S34	... they eat Sashimi the main ingredient of <u>which</u> is raw fish.	... they eat Sashimi, the main ingredient of <u>it</u> is raw fish	Misformation
46	S34	The way to fry food <u>that is safe is not to fry it too long,</u>	The way to fry food <u>safely by not frying it too long.</u>	Misformation
47	S34	... are advised to reduce oily <u>eating.</u>	... are advised to reduce oily <u>food.</u>	Misformation
48	S34	The tools used in boiling are <u>panic,</u> water filter, and gas stove.	The tools used in boiling are <u>pan,</u> water filter, and gas stove.	Misformation

49	S34	<u>The two sauteing methods are the simplest ...</u>	<u>The second is sauteing method that is the simplest ...</u>	Misformation
50	S34	<u>So of the four methods have their respective advantages.</u>	<u>So, those four methods have their respective advantages.</u>	Misformation
51	S34	<u>The three method of boiling also include healthy cooking methods.</u>	<u>The third method is boiling which is also included in healthy cooking method.</u>	Misformation
52	S35	<u>It purposed to reduce and protect the tank from mines,</u>	<u>It is intended to reduce and protect the tank from mines,</u>	Misformation
53	S35	It makes MBT <u>suited</u> to breakthrough and attack mission	It makes MBT <u>suitable</u> to breakthrough and attack mission	Misformation
54	S35	The common additional <u>armament is</u> night vision, sonar, projectile launcher and so on.	The common additional <u>armaments are</u> night vision, sonar, projectile launcher and so on.	Misformation
55	S35	Because MT has additional armament <u>more simple</u> than MBT.	Because MT has additional armament <u>simpler</u> than MBT.	Misformation
56	S35	Destroyer Tank <u>has</u> shorter than other kinds of tanks,	Destroyer Tank <u>is</u> shorter than other kinds of tanks,	Misformation
57	S35	<u>There is a third common characteristic of a tank in the modern military.</u>	<u>There are three common characteristics of tank in the modern military.</u>	Misformation

58	S35	<u>The third</u> of them complete each other in military operation.	<u>The three</u> of them complete each other in military operation.	Misformation
59	S39	Each country that is a football league certainly has different qualities.	In each country, there is football league with different quality	Misformation
60	S39	the quality of the club in La Liga certainly <u>doesn't</u> need to be doubted	the quality of the club in La Liga certainly <u>does not</u> need to be doubted	Misformation
61	S39	These two clubs have become <u>proud</u> of the Spanish league itself	These two clubs have become <u>pride</u> of the Spanish league itself	Misformation
62	S40	The arrival of the fans to the <u>station</u> is usually based on ...	The arrival of the fans to the <u>stadium</u> is usually based on ...	Misformation
63	S40	The <u>visually</u> of this casual supporter can be seen in the Firm Film.	The <u>visuals</u> of this casual supporter can be seen in the Firm Film.	Misformation
64	S40	... to convey a certain message or as a psycho war to the opposing <u>Tim</u> and supporters mental.	... to convey a certain message or as a psycho war to the opposing <u>team</u> and supporters mental.	Misformation
65	S40	Some world famous ultras groups <u>is</u> Brigata Curva Sud (PSS Sleman), La Curva Milano (AC Milan)	Some world famous ultras groups <u>are</u> Brigata Curva Sud (PSS Sleman), La Curva Milano (AC Milan)	Misformation

66	S40	In Indonesia <u>alone</u> there are B6 Surakartans (Persis Solo)	In Indonesia <u>itself</u> there are B6 Surakartans (Persis Solo)	Misformation
67	S41	This classification is based on the content of nutrients that our <u>bodies need</u> .	This classification is based on the content of nutrients that our <u>body needs</u> .	Misformation
68	S41	... glucose will be absorbed by the <u>body's cells</u>	... glucose will be absorbed by the <u>body cells</u>	Misformation
69	S42	<u>Sports are</u> one of the most important things in our life.	<u>Sport is</u> one of the most important things in our life.	Misformation
70	S42	... martial arts, tennis, ice skating, skiing, rodeo events, and <u>much</u> more.	... martial arts, tennis, ice skating, skiing, rodeo events, and <u>many</u> more.	Misformation
71	S43	Cheese is dairy product that <u>it</u> produced through the separation of milk protein ...	Cheese is dairy product that <u>is</u> produced through the separation of milk protein ...	Misformation
72	S43	There <u>is</u> various type of cheese,	There <u>are</u> various types of cheese,	Misformation
73	S43	The milk that comes from <u>it is</u> of much better quality,	The milk that comes from it <u>has</u> much better quality,	Misformation
74	S44	Indonesia ranks second with 715 languages, <u>which is</u> the Janvanese Language.	Indonesia ranks second with 715 languages, <u>one of them is</u> the Janvanese Language.	Misformation
75	S44	<i>Ngoko Lugu</i> , all of <u>his vocabulary</u> not mixed with <i>Krama</i>	<i>Ngoko Lugu</i> , all of <u>its vocabulary</u> <u>is not</u> mixed with <i>Krama</i>	Misformation

76	S44	... Sigit choose was majoring in journalism or hospitality	... Sigit choose journalism or hospitality as a major	Misformation
77	S44	<i>Ngoko lugu</i> , all of his vocabulary not mixed with krama	Ngoko lugu contains vocabulary which not mixed with Krama	Misformation
78	S44	The Javanese language <u>must preserves and developed</u> because ...	The Javanese language <u>must be preserved and developed</u> because ...	Misformation
79	S44	It <u>can conclude</u> that from the four types of Javanese Language,	It <u>can be concluded</u> that from the four types of ...	Misformation
80	S46	It is rich <u>in</u> water.	It is rich <u>of</u> water.	Misformation
81	S47	<u>That's are</u> organic waste and non-organic waste.	<u>Those are</u> organic waste and non-organic waste.	Misformation
82	S47	Plastic or glass bottle waste <u>can use</u> as a multipurpose container or place, ...	Plastic or glass bottle waste <u>can be used</u> as a multipurpose container or place, ...	Misformation
83	S49	Ranging from laughter, tears, <u>to creating</u> a sense of fear.	Ranging from laughter, tears, <u>and to create</u> a sense of fear.	Misformation
84	S49	This genre of <u>film has been fun</u> , sophisticated and innovative ...	This genre of the <u>film is fun</u> , sophisticated and innovative ...	Misformation
85	S5	This is because air conditioning, <u>be it</u> air conditioning or heating require electricity.	This is because air conditioning, <u>either</u> air conditioning or heating require electricity.	Misformation

By analysing the errors based on the table above, the researcher found that students mostly make misformation error dealing with agreement. Students often produce the sentence that subject and the verb of the sentence can not grammatically accepted. This kind of pattern occurred in the most of the error sentence. For example, there is an error number 3 made by Student 1 (S1) in the sentence "... can reduce performance in the eyes". Student 1 made an error in choosing the preposition. The correct preposition is should be *of* instead of *in* because preposition *of* here is to show the belonging of the *eyes*. So, the correct sentence is "... can reduce performance of the eyes". The next misformation error in agreement is made by Student 3 in the sentence "... ideal for smashes or attacks, ...". The word for should be followed by gerund. The correct sentence is should be "... ideal for smashing or attacking". Another error also committed by Student 5. The student wrote "Smooth muscles are of two types," here, the student committed subject-verb agreement in the verb *are*. If that word put in that sentence, it can occur misunderstanding to the reader. Student should change the verb are become have so it makes a correct sentence, that is "Smooth muscles have two types,"

Moreover, the most common misformation error happens in the term of word selection. Student often used in accurate word in arrange their sentence. For examples, an error in selecting word made by student is in the sentence "Behaviorism is a view that consider a learner basically". When read the sentence, the researcher caught an ambiguity in it by

reading the *basically* word. After doing further review, the researcher thinks that the correct word should be *fundamentally*. The sentence is should be “Behaviorism is a view that consider a learner fundamentally”

Another misformation error in doing word selection is made by Student 5 in the sentence “This is because air conditioning, be it air conditioning or heating require electricity.” Same as the previous error, this sentence contains ambiguity so make the reader confused. The words *be it* should be change with *either* to indicate the similarity of the noun in the sentence. The correct sentence is “This is because air conditioning, either air conditioning or heating require electricity.”

Furthermore, Student 17 also made misformation error in doing word selection. The error found in the sentence “To date, no method can prevent bipolar disorder.” The word *to date* is better if it is changed with *until now*. So, the correct sentence is “Until now, no method can prevent bipolar disorder.”

d. Misordering

The last error that found in the students’ writing is midordering. Misordering error occur 15 times the 174 total error that students made or 8,62%. Here, the researcher presents it in the form of table.

Table 4. 5. Misordering Errors

No	Name	Sentence	Correction	Type of Errors
1	S2	The method <u>used is</u> to critically analyze ...	The method <u>is used</u> to critically analyze ...	Misordering

2	S11	The reaction to <u>using acid</u> is ...	The reaction to acid using is ...	Misordering
3	S16	... and the nutrients in the <u>food consumed</u>.	... and the nutrients in the <u>consumed food</u> .	Misordering
4	S16	... in the blood and tissues is maintained.	... in maintaining the blood and tissues.	Misordering
5	S33	... direct practice with <u>the material object discussed</u>.	... direct practice with <u>the discussed material object</u>	Misordering
6	S33	While the molecules and the <u>element contained</u> can be known by Chemistry	While the molecules and the <u>contained element</u> can be known by Chemistry	Misordering
7	S34	Because the steaming method is difficult to be able to add spices.	Because it is difficult to add spices in steaming method.	Misordering
8	S34	Maybe you can, but <u>the spices added</u> won't be evenly distributed.	Maybe you can, but <u>the added spices</u> won't be evenly distributed.	Misordering
9	S34	All of the <u>above cooking methods</u> have their ...	All of the <u>cooking methods above</u> have their ...	Misordering
10	S36	<u>The acceleration gear used</u> depends on the speed of the vehicle ...	<u>The used acceleration gear</u> depends on the speed of the vehicle ...	Misordering
11	S41	With the help of the <u>hormone insulin</u> ,	With the help of the <u>insulin hormone</u> ,	Misordering
12	S44	Krama Inggil is the highest level used for communication with <u>people older</u> or respectable people ...	Krama Inggil is the highest level used for communication with <u>older people</u> or respectable people ...	Misordering
13	S47	<u>Non-organic soft waste</u> is waste that	<u>Soft non-organic waste</u> is waste that	Misordering

		has soft or flexible properties ...	has soft or flexible properties ...	
14	S47	<u>Non organic hard waste</u> has properties that are not easy to destroy.	<u>Hard non-organic waste</u> has properties that are not easy to destroy.	Misordering
15	S50	... the random words in to a complete sentence according to the <u>clues given.</u>	... the random words in to a complete sentence according to the <u>given clues.</u>	Misordering

From the table above, it can be seen that misordering errors is the last categories of error that the least occurred among the three others. Students got the difficulties in arranging word pattern to make a proper sentence. First, there is misordering error made by student 2 in the sentence “The method used is to critically analyze ...” The sentence is incorrect sentence because there are words *used is*. Student should wrote *is used* to make the sentence become passive voice because the subject of the sentence gets the action. So, the correct sentence is “The method is used to critically analyze ...”

Another error also occurred in the sentence “The reaction to using acid is ...” The error is located in the words *using acid*. Those words should be a noun phare to create the correct meaning which has to be reverse in the arrangement of the word. The correct sentence is should be “The reaction to acid using is ...”

The same case also made by Student 16 in the sentence “... and the nutrients in the food consumed.” The correct noun phrase is should be *consumed food*. Another error is in the sentence “The easiest to use face

mask is the sheet mask.” Here, the correct sentence arrangement is should be “The easiest face mask to use is the sheet mask.” Most of students make misordering error because they can not arrange correct sentence in English pattern. After analyzing the data, the researcher found that students arrange the sentence based on their mother tongue.

B. Discussion

In this section, the researcher will briefly discuss the research problem and the finding obtained in the research. As stated in the previous chapter that the purpose of this research is to describe the types of errors made by third semester students in their writing based on the surface strategy taxonomy classification and to describe which the common types of errors made by the students.

Based on the data that have been obtained from the students’ writing, the errors that found in the students writing is omission, addition, misformation and misordering. From the total 174 errors, it can be described that there are 49 errors of omission or 28,16%, 25 errors of addition or 14,37%, 85 errors of misformation or 48,85%, and 15 errors of misordering or 8,62%. Among those four errors that have been analyzed by researcher, misformation is the most common errors produced by students in their writing. Students are often committed misformation error in terms of agreement and word selection. Students are considered experience difficulty in determining the proper pattern in the use of agreement. Students also experience difficulty in choosing the right words to arrange the proper sentence that creates a good writing.

This research is related to one of previous study by Suci Rahmani (2020) in the previous chapter that omission is the types of error that frequently occur in the students' writing. Moreover, this study is quite different from the three others previous study that have been mentioned in Chapter II. Two of them have addition error as the most common error produced by students. The last previous study has omission as the most frequently omitted by students.

CHAPTER V

CONCLUSION AND SUGGESTION

A. Conclusion

Based on the previous chapter that conducts the research finding and discussion, the researcher draws several conclusions related to this study. The types of grammatical error in academic writing by third semester students of English Language Department of UIN Raden Mas Said Surakarta are omission, addition, misformation, and misordering. After analyzed the data, the researcher found there are 176 errors made by students. The most common error committed by students is misformation that reached 85 errors or 48,30%, followed by omission that reached 48 errors or 27,27%. The next error is addition with percentage 15,91% or 28 errors. While the lowest error made by students is misordering with total 15 errors or 8,52%.

Based on the research finding, the researcher found that agreement and word selection that become the main problem of the students in arranging sentence to become a good writing. That is the reason why students made misformation error the most.

B. Sugestion

After conducting the research, the researcher has several suggestions to the students and teacher as well:

1. For students

Students should enrich their vocabulary and aware in studying grammatical matter. The researcher also suggests to students to do more

practice in doing writing because writing is considered as one of the most important things in academic.

2. For teacher

The researcher should pay attention to the student weakness about grammatical matter. It is better for teacher to give more writing practice to the students by revising them so the students know their errors and mistakes then can learn from their experience to master the writing subject.

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APPENDICES

VALIDATION

The thesis data of Nining Dwi Setyawati (163221148) entitled “AN ANALYSIS OF GRAMMATICAL ERROR IN ACADEMIC WRITING BY THE THIRD SEMESTER STUDENTS OF ENGLISH LANGUAGE EDUCATION OF UIN RADEN MAS SAID SURAKARTA” has been validated by Fatiha Najma Yustisia, S.Pd

Day : Monday

Date : June, 11th 2023

Sukoharjo, 11th 2023

Validator



Fatiha Najma Yustisia, S.Pd

Appendix 2. Validator's Curriculum Vitae



Fatiha Najma Yustisia, S.Pd.

Full-time English Teacher at Interactive English Language Centre (IELC) English Campus Solo

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🌐 Fatiha Najma Yustisia

ABOUT ME

I am a passionate learner who has a big interest in education, empowerment, human behavior, spirituality, youth development, and culture.

I have gained my leadership and communication skills through English teaching and training experiences. I am a resilient and adaptive person who can connect to others easily. Interpersonal skills are my greatest strength.

ACHIEVEMENTS & AWARDS

- 1st winner of essay text category & 3rd best essay presentation in International E-learning Essay Competition (2021)
- Most favorite podcast competition in Islamic Youth Training of Public Health Faculty of UNDIP (2020)
- 3rd place & 5th best speaker of Internal Selection of National Universities Debate Championship (NUDC) UNS (2020)
- 2nd winner of UPGR's English Essay Writing Competition (2019)
- 2nd place of ESA Fair's English Speech Competition (2019)
- 1st winner of IAIN Surakarta's English Speech Competition (2018)

CONFERENCES, TALKS, AND WORKSHOPS

- Speaker of "English Time" Workshop by Student Association of UNS's Economics Education (July 2022)
- Moderator of the 1st International Conference of Demographics and Civil Registration by College of Vocational Studies UNS (November 2021)
- Co-Presenter in Virtual Teaching English as Foreign Language (TEFL) Conference by IDP Cambodia & British Council (February 2021)
- MC of "HOTS, TPACK Framework, and Authentic Materials" Webinar by UNS's Research and Community Service Body (August 2020)
- Delegate of Global Goals Model United Nations (MUN) Conference in Kuala Lumpur, Malaysia (April 2018)

PUBLICATIONS

- Voice over talent of Intan Pariwara Publishing | Digital Interactive English books for grades 4-10 (September 2021 - July 2022)
- UNS YouTube Channel | [UP-KKN UNS] KKN UNS COVID19 Get To Know English (June 2020)

EDUCATIONAL BACKGROUND

Sebelas Maret University, Indonesia.

B.Ed, English Education Department, Faculty of Teacher Training and Education

August 2017 - January 2022

- GPA 3.82 (Graduated as Cum Laude)
- **Thesis & Article Publication:** "Examining the Extensive Speaking Practice for Instagram Live Shows: A Narrative Inquiry Research in an EFL context"
- **Grant:** PPA Kemristekdikti RI Awardee in 2018-2019
- **Publication:** Editor "Heartstrings" collected poems, short stories, and songs made by EED 2018 reading class | CV Al Chalief (June 2020)
- **Activities:** Student English Forum (SEF), 'Motivasi' Media Organization, 'JNUKMI' Masjid Members Association
- **Achievement(s):** 2nd Best Speaker in English Public Speaking Training by the Student Council Department (2017)

TEACHING EXPERIENCES

SCHOOL MAGAZINE CLUB TRAINER

Freelance | MTsN Surakarta 1

February 2019 - Present

Coaching secondary students of magazine club members on how to produce news, magazine, and creative writings.

ENGLISH PRIVATE TUTOR

Self-employed | January 2021 - June 2022

Planning and delivering personalized lesson plans to 8 students weekly with both online and offline class settings from general English, grammar, proficiency test preparation, conversation, and English for specific purposes.

SECONDARY STUDENTS ENGLISH TUTOR

Freelance | 'BIMBELKU' Study Club

April 2019 - April 2021

Tutoring English as a foreign language for secondary education students in Surakarta in small groups, in-person lessons, and in-house teaching.

ENGLISH UTBK TUTOR

Contract | SMA Pradita Dirgantara Surakarta

February-March 2021

Planning lesson plans and drilling reading comprehension questions via distance learning.

ENGLISH SPEAKING MENTOR

Apprenticeship | SMP Angkasa Adi Soemarmo Surakarta

January - February 2020

Planning lessons and teaching English speaking for junior high school students in a classical setting.

SOCIAL PROJECTS INITIATIVE

- February 2021 - Present | Podcast "Sister in Deen ID" on Anchor about Muslimah improvement and empowerment.
- March - June 2022 | Virtual English Club with Venezuelan Community, a multicultural English-speaking group practice.
- May 2020 - January 2021 | "Get to Know English" Talkshow, an Instagram live for English language learning.
- April 2020 - December 2021 | "Creatingsmile. id" community, crowd donation for covid 19 response plan and natural disasters in Indonesia

VOLUNTEER WORK

PUBLIC SPEAKING COACH

Pijar Community in Surakarta | March 2022 - Present

- Coaching 8 female students to hone public speaking skills.
- Designing and delivering coaching materials

DIRECT ENGLISH VOLUNTEER

Direct English Course Solo | Nov 2020 - Apr 2021

- Following English for hospitality training series
- Teaching English virtually to some communities in Solo and Jogja
- Managing intercultural discussion with a Puerto Rico High School

EXCHANGE PARTICIPANT COORDINATOR

AIESEC's Global Village in Solo | July - August 2019

- Helping exchange participants prepare their art performances.
- Accommodating exchange participants' needs for their art performances.

EDUVAGANZA LOCAL VOLUNTEER

AIESEC in UNS | June-August 2019

- Helping AIESEC's exchange participants from abroad in realizing educational projects to support SDG's number 4: Quality Education.
- Helping an exchange participant (A Spanish woman) to facilitate her when teaching English to senior high school students in Surakarta.

INTERCULTURAL FRIENDSHIP SOCIETY (IFS) PROGRAM

HatYai, Thailand | February 2019

- Teaching English to young learners in a suburban area
- Improving the home agricultural industry together with ASEAN communities.

SKILLS

- Active English skills
- Intercultural Communication Competence
- Creative writing
- Collaboration
- Interpersonal skills: Teaching, Tutoring, Public Speaking
- Digital literacy

ENGLISH FOR HOSPITALITY TRAINER

Contract | Grand Hap Hotel Surakarta

July 2019 - February 2020

Planning English for hotelier lessons and teaching 30 hotel staff to enhance their English speaking skill for career development.

ENGLISH NATIONAL EXAM PREPARATION TEACHER

Freelance | Cahaya Ilmu Study Club

January 2019 - February 2020

Assisting secondary students intensively to prepare for the English national exam in a small group lesson.

TOEFL AND ENGLISH CONVERSATION TUTOR

Freelance | Max Havelaar English Course

November 2018 - July 2022

Tutoring on the TOEFL ITP preparation test in small groups and how to have good English speaking skills in a private classroom setting.

ENGLISH LANGUAGE MONTH TUTOR

Contract | Baitul Quran Islamic Boarding School Sragen

July - August 2018

Assisting junior high school students intensively to enhance their English communicative skills through many fun and interactive classes for a month.

ORGANIZATION HISTORY

KOMUNITAS PUSAT KAJIAN INSPIRATIF PEMUDA DAN PELAJAR (PIJAR) SOLO

A youth community focusing on serving up-to-date Islamic lectures and classes.

- Coach of Pijar Squad, 2022-Present
- Member of Program Development Department, 2022-present
- Member of Public Relations, Research, and Innovation Department, 2020-2022

LEMBAGA PEDULI REMAJA (LPR) KRIYA MANDIRI

An organization focusing on Islamic mentorship and capacity-building program

- Member of Youth Networking Department, 2019-2022
- Trainee, 2018-2019

YAYASAN CITA RASA KEBAIKAN PELAJAR (CAKEP)

INDONESIA CHAPTER SOLO

Youth development organization focusing on coaching and capacity-building activities.

- Local leader, 2019-2022
- Coach, 2018-2019
- Member, 2018-2017
- Trainee, 2017-2016

STUDENT ENGLISH FORUM (SEF)

One of UNS student clubs focusing on English public speaking and debate training

- Coach of Public Speaking Department, 2021
- Member of Curriculum, 2020
- Member of Public Speaking Department, 2017-2019

COMMUNITY RADIO "DISTA FM" IAIN SURAKARTA

A campus radio community to improve broadcasting, journalistic, and public relations skills

- Reporter, Public relations staff, 2017
- Announcer, Programmer division staff, 2016-2017

RENCANA PEMBELAJARAN SEMESTER

Nama dan Kode MK : Writing for Academic Purpose / PBI203	Semester : III (Tiga)
SKS : 2 (Dua)	Jurusan : Pendidikan Bahasa Inggris (PBI)
Fakultas : FITK	Dosen : -

Capaian Pembelajaran:

- Sikap:
Mahasiswa mampu berpartisipasi secara aktif dan disiplin mengikuti semua kegiatan perkuliahan pada mata kuliah ini.
- Keterampilan:
 1. Mahasiswa dapat menjelaskan dasar-dasar *academic writing*.
 2. Mahasiswa dapat mengembangkan sebuah *academic essay* berdasarkan topik tertentu sesuai dengan sistematika yang baik dan benar.
 3. Mahasiswa dapat membuat kutipan dari berbagai jenis referensi.
 4. Mahasiswa dapat membuat abstrak.
 5. Mahasiswa dapat membuat daftar pustaka.
- Pengetahuan:
Mahasiswa memiliki pengetahuan tentang *writing for academic purpose: basic principles of academic writing, writing an introduction, writing a development section, writing a conclusion, writing citations, writing references, writing an abstract, dan revising and editing*.

Matriks Pembelajaran:

Minggu	Kemampuan akhir yang diharapkan	Bahan Kajian	Metode dan Strategi Pembelajaran	Waktu	Deskripsi Tugas	Kriteria, Indikator, Bobot Penilaian	Daftar Referensi
1	2	3	4	5	6	7	8
I	Mahasiswa memahami tentang dasar-dasar	- <i>Learning contract</i> - <i>Introduction</i>	Ceramah Tanya jawab Pre-test	2 x 50 menit	Menyimak Mencatat Bertanya	Mahasiswa dapat menjelaskan tentang <i>basic principles</i>	

	<i>academic writing</i>	<i>to the course overview</i> - <i>Basic principles of academic writing</i>			Menjawab Mengerjakan tes	<i>of academic writing</i>	
II	Mahasiswa memahami tentang cara menentukan topik dan membuat judul <i>academic essay</i>	<i>Deciding on a topic and title</i>	Ceramah Tanya jawab Pemberian tugas kelompok	2 x 50 menit	Menyimak Mencatat Bertanya Mengerjakan tugas	Mahasiswa dapat menentukan topik sebuah <i>academic essay</i> berdasarkan tema yang diberikan dosen dan membuat judulnya	
III	Mahasiswa memahami tentang bagaimana menulis pendahuluan (<i>introduction</i>)	<i>Writing an introduction</i>	Ceramah Tanya jawab Pemberian tugas kelompok	2 x 50 menit	Menyimak Mencatat Bertanya Mengerjakan tugas	Mahasiswa dapat membuat pendahuluan sebuah <i>academic essay</i> berdasarkan topik yang sudah dipilih pada pertemuan sebelumnya	
IV	Mahasiswa memahami tentang bagaimana mengembangkan sebuah <i>academic essay</i>	<i>Writing a development section</i>	Ceramah Tanya jawab Pemberian tugas kelompok	2 x 50 menit	Menyimak Mencatat Mengerjakan tugas	Mahasiswa dapat mengembangkan pendahuluan yang sudah dibuat menjadi sebuah <i>academic essay</i>	
V	Mahasiswa memahami tentang	<i>Writing a development section</i>	Ceramah Tanya jawab	2 x 50	Menyimak	Mahasiswa dapat mengemba	

	bagaimana mengembangkan sebuah <i>academic essay</i>		Pemberian tugas kelompok	menit	Mencatat Mengerjakan tugas	ngkan pendahuluan yang sudah dibuat menjadi sebuah <i>academic essay</i>	
VI	Mahasiswa memahami tentang bagaimana mengembangkan sebuah <i>academic essay</i>	<i>Writing a development section</i>	Ceramah Tanya jawab Pemberian tugas kelompok	2 x 50 menit	Menyimak Mencatat Mengerjakan tugas	Mahasiswa dapat mengembangkan pendahuluan yang sudah dibuat menjadi sebuah <i>academic essay</i>	
VII	Mahasiswa memahami tentang bagaimana membuat kesimpulan (<i>conclusion</i>)	<i>Writing a conclusion</i>	Ceramah Tanya jawab Pemberian tugas kelompok	2 x 50 menit	Menyimak Mencatat Mengerjakan tugas	Mahasiswa dapat membuat membuat kesimpulan dari <i>academic essay</i> yang sudah dibuat sebelumnya	
VIII		Mid-term test	Pemberian tes tertulis	2 x 50 menit	Tes tertulis esai	Mahasiswa dapat mengerjakan tes tertulis (materi minggu 1-7)	
IX	Mahasiswa memahami tentang bagaimana membuat kutipan	<i>Writing citations</i>	Ceramah Tanya jawab Pemberian tugas individu	2 x 50 menit	Menyimak Mencatat Bertanya Mengerjakan tugas	Mahasiswa dapat membuat kutipan dari berbagai jenis sumber/referensi	
X	Mahasiswa memahami tentang	<i>Writing citations</i>	Ceramah Tanya jawab	2 x 50	Menyimak	Mahasiswa dapat membuat	

	bagaimana membuat kutipan		Pemberian tugas individu	menit	Mencatat Bertanya Mengerjakan tugas	kutipan dari berbagai jenis sumber/referensi	
XI	Mahasiswa memahami tentang bagaimana membuat kutipan	<i>Writing citations</i>	Ceramah Tanya jawab Pemberian tugas individu	2 x 50 menit	Menyimak Mencatat Bertanya Mengerjakan tugas	Mahasiswa dapat membuat kutipan dari berbagai jenis sumber/referensi	
XII	Mahasiswa memahami tentang bagaimana membuat daftar pustaka	<i>Writing references</i>	Ceramah Tanya jawab Pemberian tugas Individu	2 x 50 menit	Menyimak Mencatat Bertanya Mengerjakan tugas	Mahasiswa dapat membuat daftar pustaka berdasarkan kutipan-kutipan yang sudah dibuat sebelumnya	
XIII	Mahasiswa memahami tentang bagaimana membuat abstrak	<i>Writing an abstract</i>	Ceramah Tanya jawab Pemberian tugas individu	2 x 50 menit	Menyimak Mencatat Bertanya Mengerjakan tugas	Mahasiswa dapat membuat abstrak berdasarkan <i>academic essay</i> yang telah dibuat sebelumnya	
XIV	Mahasiswa memahami tentang bagaimana merevisi dan memperbaiki <i>academic essay</i>	<i>Revising and editing</i>	Ceramah Tanya jawab Pemberian tugas Individu	2 x 50 menit	Menyimak Mencatat Bertanya Mengerjakan tugas	Mahasiswa dapat membuat	
XV	Mahasiswa memahami tentang <i>academic</i>	<i>Review</i>	Ceramah Tanya jawab	2 x 50 menit	Menyimak Mencatat	Mahasiswa dapat menjawab pertanyaan	

	<i>writing</i> secara menyeluruh				Bertanya Menjawab	dari dosen atau membuat pertanyaan terkait dengan materi perkuliahan dari pertemuan 1 – 15 secara lisan	
XVI		<i>Final test</i>	Pemberian tes tertulis	2 x 50 menit	Tes tertulis esai	Mahasiswa dapat mengerjakan tes tertulis (materi minggu 9-15)	

Penilaian

- a. Kehadiran : 10%
- b. Tugas-tugas : 40%
- c. Mid-term test : 20%
- d. Final test : 30%

Daftar Referensi

- a. Deny Rhomdony. *Integrated Comprehensive English Grammar*. Jakarta: Kesaint Blanc, 2005.
- b. Dorothy E. Zemach dan Carlos Islam. *Paragraph Writing: From Sentence to Paragraph*. New York: MacMillan, 2010.
- c. Francine D. Galko. *Better Writing Right Now: Using Words to Your Advantage*. New York: Learning Express, 2001.
- d. Marion Field. *Improve Your Written English*. Oxford: How to Books Ltd., 2009.
- e. Pardiyono. *12 Writing Clues for Better Writing Competence*. Yogyakarta: Andi, 2006.
- f. Peter Levin. *Write Great Essays*. England: Open University Press, 2004.
- g. Stephen Bailey. *Academic Writing: A Practical Guide for Students*. New York: Nelson Thornes Ltd., 2004.
- h. Sutanto Leo et al. *English for Academic Purpose: Essay Writing*. Yogyakarta: Penerbit Andi, 2007.
- i. Yusti Arini. *How to Start Being a Good Writer*. Bandar Lampung: Aura Publishing, 2013.

Appendix 4. Data of students

Class H

NO	NAME	SRN	CODE
1	Indah Nursari Dewi	216121197	S1
2	Wisnu Addil P. A	216121199	S2
3	Delia Nur Vianti	216121200	S3
4	Atika Sari	216121201	S4
5	Ajeng Putri Soniawati	216121202	S5
6	Wahid Kharomah N. Z	216121203	S51
7	Anindita Salma Nabila	216121204	S6
8	Sundari	216121206	S7
9	Muhhamad Alfian B	216121207	S8
10	Iqbal Jamaludin	216121208	S9
11	Sofia Nur Hana D.L	216121209	S10
12	Rachma Putri Ayu. A	216121210	S11
13	Zakiya Nauroh Firdausi	216121211	S12
14	Muhammad Cahyo Nugroho	216121212	S13
15	Tanaffasa Hesti	216121213	S14
16	Sylvia Anggita Tiara K	216121214	S15
17	Fathia Rizki Fitriana	216121215	S16
18	Farah Putri Nabilah	216121216	S17
19	Yusril Hilmi	216121217	S18
20	Jenny Alvionita	216121218	S19
21	Asri Kartika Wati	216121219	S20
22	Svila Milaturrobbani S	216121220	S21
23	Saskia Putri Wardani	216121221	S22
24	Yulia Arya Swastika	216121222	S23
25	Muhammad Fardhan Zaidan	216121223	S24
26	Arya Satriya Yudha	216121224	S25
27	Amanda Ayu Verawati	216121225	S26

Class I

NO	NAME	SRN	CODE
1	Syarofah Imani Nurul H	216121226	S27
2	Cindy Asgian N. F	216121227	S28
3	Hasan Qori'ah Nur M	216121228	S29
4	Ismu Aliya Fitri	216121230	S30
5	Rizkyta Dewi Kupratikno	216121231	S31
6	Ratna Wulandari	216121232	S32
7	Zulfa Astarti	216121233	S33
8	Tanti Nuryani	216121234	S34
9	Riski Bayu Prasetyo	216121236	S35
10	Adhi Romadhona	216121238	S36
11	Fina Fariha	216121237	S37
12	Lulu Aulia Muttaqin	216121241	S38
13	Risky Pebrianto	216121242	S39
14	Muhammad Fatikh Anwari	216121243	S40
15	Cinta Mutiara S	216121244	S41
16	Likhlasul Amal	216121245	S42
17	Ummi Nurrofiah	216121246	S43
18	Ika Ade Liana	216121247	S44
19	Syahidah Asma A. A	216121248	S45
20	Iarissa Sabrina Fauziah	216121249	S46
21	Fatimah Az Zahra	216121251	S47
22	Dimas Herlan Bachtiar	216121250	S48
23	Sitha Widyaningrum	216121252	S49
24	Rheeva Angga Rossy J. P	216121253	S50

Appendix 5. Data Validation by Validator

No	Name	Sentence	Correction	Type of Errors	Validation
1	S1	<u>And</u> everyone's needs has clear said	Additionally, everyone's needs has clear said	Misformation	√
2	S1	And everyone's needs has clear <u>said</u>	And everyone's needs has clear <u>sight</u>	Misformation	√
3	S1	... easier to see things up <u>close</u> and far	... easier to see things up <u>closed</u> and far	Omission	√
4	S1	... can reduce performance <u>in</u> the eyes	can reduce performance <u>of</u> the eyes	Misformation	√
5	S1	<u>Which</u> resulted in eye disorders such as minus, ...	<u>It results</u> in eye disorders such as minus, ...	Misformation	√
6	S1	<u>And</u> they need glasses based on their function	<u>So that</u> , they need glasses based on their function	Misformation	√
7	S1	Minus glasses character <u>marked</u> with Diopter size (d)	Minus glasses character <u>is marked</u> with Diopter size (d)	Omission	√
8	S1	<u>That way</u> we can again see...	<u>Therefore</u> , we can again see...	Misformation	√
9	S1	Cylindrical glasses are made <u>with</u> cylindrical lenses	Cylindrical glasses are made <u>of</u> cylindrical lenses	Misformation	√
10	S1	So, <u>need</u> glasses to facilitate vision	So, <u>they need</u> glasses to facilitate vision	Omission	√
11	S2	The method <u>used is</u> to critically analyze ...	The method <u>is used</u> to critically analyze ...	Misordering	√
12	S2	<u>One</u> that is criticized concretely is the relationship ...	<u>The one</u> that is criticized concretely is the relationship ...	Omission	√

13	S2	Behaviorism is a view that consider a learner <u>basically</u>	Behaviorism is a view that consider a learner <u>fundamentally</u>	Misformation	√
14	S2	... instructional design <u>should be to</u> provide the learner with appropriate stimuli.	... instructional design <u>should</u> provide the learner with appropriate stimuli.	Addition	√
15	S2	... to respond to <u>behavioristic</u> learning theory ...	... to respond to <u>the behavioristic</u> learning theory ...	Omission	√
16	S2	... in learning designs according to <u>needs</u>	... in learning designs according to <u>the needs</u>	Omission	√
17	S3	How to play soccer <u>by</u> passing, controlling, dribbling, ...	How to play soccer <u>is</u> by passing, controlling, dribbling, ...	Omission	√
18	S3	Smasher player position <u>ideal</u> for ...	Smasher player position <u>is ideal</u> for ...	Omission	√
19	S3	... ideal for <u>smashes</u> or attacks,	... ideal for <u>smashing or attacking</u> ,	Misformation	√
20	S4	One of the causes of garbage heaps that are located <u>where is</u> is our lack of awareness ...	One of the causes of garbage heaps that are located <u>everywhere is</u> our lack of awareness ...	Misformation	√
21	S4	... can be degraded by microbes (putrefactive bacteria) or <u>is biodegradable</u>	... can be degraded by microbes (putrefactive bacteria) or <u>biodegradable</u>	Addition	√
22	S4	... materials that are not <u>of</u> natural origin ...	... materials that are not <u>from</u> natural origin ...	Misformation	√
23	S4	Inorganic waste that <u>has a</u> difficult to decompose ...	Inorganic waste that <u>is</u> difficult to decompose ...	Misformation	√

24	S5	<u>Muscles are</u> one of the important parts for humans.	<u>Muscle is</u> one of the important parts for humans.	Misformation	√
25	S5	Smooth muscles <u>are of</u> two types,	Smooth muscles <u>have</u> two types,	Misformation	√
26	S5	Characteristic of striated <u>muscle the</u> cells have fibers that ...	Characteristic of striated <u>muscle is the</u> cells have fibers that ...	Omission	√
27	S6	... and <u>lacks political</u> and emotional content ...	... and <u>lacks of political</u> and emotional content ...	Omission	√
28	S6	Starting from children, <u>and</u> teenager, to adults.	Starting from children, teenager, to adults.	Addition	√
29	S8	Among the coffees <u>are</u> three of the best coffees in Indonesia,	Among the coffees <u>there are</u> three of the best coffees in Indonesia,	Omission	√
30	S8	... which has <u>a</u> texture that is not so thick ...	... which has texture that is not so thick ...	Addition	√
31	S9	The fans <u>from</u> various circles.	The fans <u>are from</u> various circles.	Omission	√
32	S10	<u>Of the</u> three categories of veil, one of the most popular is ...	<u>Those</u> three categories of veil, one of the most popular is ...	Misformation	√
33	S10	The materials used by pashmina also <u>vary</u>	The materials used by pashmina is also <u>various</u>	Misformation	√
34	S10	Besides pashmina <u>who</u> need a pin to use it,	Besides pashmina <u>which</u> needs a pin to use it,	Misformation	√
35	S10	The model and material of the hood can support great confidence <u>in</u> its users	The model and material of the hood can support great confidence <u>to</u> its users	Misformation	√
36	S11	<u>And</u> is very suitable for use on skin ...	<u>It</u> is very suitable for use on skin ...	Misformation	√

37	S11	... very suitable <u>for</u> use on skin ...	... very suitable <u>to</u> use on skin ...	Misformation	√
38	S11	The reaction to <u>using acid</u> is ...	The reaction to acid using is ...	Misordering	√
39	S12	We humans are accustomed to <u>using</u> technology ...	We humans are accustomed to <u>use</u> technology ...	Misformation	√
40	S12	... from the best to the <u>bad</u>	... from the best to the <u>worst</u>	Misformation	√
41	S12	The character of the electrical insulator itself is <u>such that it is able to block</u> ...	The character of the electrical insulator itself <u>is able to block</u> ...	Addition	√
42	S13	... in Southeast Asia such as Indonesia, Singapore, Thailand, and <u>the</u> Philippines.	... in Southeast Asia such as Indonesia, Singapore, Thailand, and Philippines	Addition	√
43	S14	Introverts <u>are</u> one of those personality types ...	Introvert <u>is</u> one of those personality types ...	Misformation	√
44	S15	And the last human personality trait is <u>introversion</u>	And the last human personality trait is <u>introvert</u>	Misformation	√
45	S16	Therefore, <u>there</u> needs to be a <u>balance</u> between the needs of ...	Therefore, <u>they</u> need to <u>balance</u> between the needs of ...	Misformation	√
46	S16	... and the nutrients in the <u>food</u> consumed.	... and the nutrients in the <u>consumed</u> food.	Misordering	√
47	S16	... called Macro Nutrients, <u>of which there are 3</u> such as ...	... called Macro Nutrients <u>which is divided in to 3</u> such as ...	Misformation	√
48	S16	Fiber is naturally found in many <u>whole kinds</u> of cereal, ...	Fiber is naturally found in many <u>kinds</u> of cereal, ...	Addition	√

49	S16	... in the blood and tissues is maintained.	... in maintaining the blood and tissues.	Misordering	√
50	S17	It is important to maintain mental health from <u>an</u> early age.	It is important to maintain mental health from early age.	Addition	√
51	S17	<u>To date</u> , no method can prevent bipolar disorder.	<u>Until now</u> , no method can prevent bipolar disorder.	Misformation	√
52	S17	<u>First</u> , is anxiety disorder	<u>The first</u> is anxiety disorder	Omission	√
53	S18	... that must be owned by every student <u>person</u>.	... that must be owned by every student.	Addition	√
54	S19	Various kinds of dishes <u>with each other</u> have their basic ingredients,	Various kinds of dishes <u>which</u> have their basic ingredients,	Misformation	√
55	S19	The extraction process <u>is</u> cassava that has been peeled ...	The extraction process <u>of</u> cassava that has been peeled ...	Misformation	√
56	S19	... cassava starch <u>is then allowed to stand</u> so that the starch settles.	... cassava starch <u>is left</u> so that the starch settles.	Misformation	√
57	S20	... there are other kinds of drinks namely milk.	... there is another kind of drink namely milk.	Misformation	√
58	S21	Of the 17 genres in Indonesia, there are 4 genres in ...	From the 17 genres in Indonesia, there are 4 genres in ...	Misformation	√
59	S21	... Indonesian teenagers make the comedy film genre <u>their</u> favourite genre.	... Indonesian teenagers make the comedy film genre <u>as their</u> favourite genre.	Omission	√

60	S22	Examples of trading companies <u>there are</u> grocery store, PT Gramedia, ...	Examples of trading companies <u>are</u> grocery store, PT Gramedia, ...	Addition	√
61	S24	... because we are blessed with something called <u>reason</u>.	... because we are blessed with something called <u>mind</u> .	Misformation	√
62	S24	Al-Ijtima' <u>is present</u> as an endeavour for ...	Al-Ijtima' <u>is presented</u> as an endeavour for ...	Omission	√
63	S25	... which are categorized <u>that is</u> Elementary School, Junior High School and Senior High School.	... which are categorized <u>those are</u> Elementary School, Junior High School and Senior High School.	Misformation	√
64	S25	At this level <u>is</u> also an exam to determine graduation and ...	At this level <u>there is</u> also an exam to determine graduation and ...	Omission	√
65	S26	While the <u>leaves to the side</u> will look shorter.	While the <u>sideways leaves</u> will look shorter.	Misformation	√
66	S26	As the name implies, this <u>one</u> leaf bone has an arrangement of curved lines.	As the name implies, this leaf bone has an arrangement of curved lines.	Addition	√
67	S26	<u>Can</u> be classified in the type of ...	<u>It can</u> be classified in the type of ...	Omission	√
68	S27	The transition season make <u>it</u> humans have to be ...	The transition season make humans have to be ...	Addition	√
69	S27	Do not let adaptation to the environment <u>make</u> your body tired	Do not let adaptation to the environment <u>makes</u> your body tired	Omission	√
70	S27	... which is caused by infection <u>with</u> the corona virus.	... which is caused by infection <u>of the</u> corona virus.	Misformation	√

71	S27	The following are some diseases caused by fungal <u>infection</u> <u>Candidiasis</u> , ringworm, fungal nail infection, ...	The following are some diseases caused by fungal infection <u>those are</u> <u>Candidiasis</u> , ringworm, fungal nail infection, ...	Omission	√
72	S28	<u>Wait a time</u> after using it ...	<u>Wait a for a while</u> after using it ...	Misformation	√
73	S28	This <u>textured powder mask</u> is the most difficult face mask to use.	This <u>powder mask textured</u> is the most difficult face mask to use.	Misformation	√
74	S27	<u>With</u> so many women avoiding the use of powder masks	So many women avoiding the use of powder masks	Addition	√
75	S29	<u>With this</u> the clothes look very beautiful and beautiful if anyone sees them.	<u>By that</u> , the clothes look very beautiful and beautiful if anyone sees them.	Misformation	√
76	S29	with the unique and classic nature of vintage clothing, and <u>has</u> its own style.	with the unique and classic nature of vintage clothing, and <u>it has</u> its own style.	Omission	√
77	S29	has its own characteristics such as loose clothing, <u>always using natural materials</u> such as wool, silk and plant fibers	has its own characteristics such as loose clothing, natural materials such as wool, silk and plant fibers	Addition	√
78	S29	... street style is not only called a style of dress, but <u>has</u> become a culture.	... street style is not only called a style of dress, but <u>it has</u> become a culture.	Omission	√
79	S29	<u>The people</u> who create this street style are young people themselves who create	<u>People</u> who create this street style are young people themselves who create	Addition	√

80	S29	The people who create this street style are <u>young people</u> themselves who create	The people who create this street style are <u>young</u> themselves who create	Addition	√
81	S29	... started by urban African-Americans and then <u>continued</u> into the music industry	... started by urban African-Americans and <u>then it is continued</u> into the music industry	Omission	“Continued” is correct because it should not passive voice
82	S29	... each country is definitely different, and <u>has</u> its own uniqueness.	... each country is definitely different, and <u>it has</u> its own uniqueness.	Omission	√
83	S29	This casual way of dressing is also <u>of</u> many types,	This casual way of dressing also <u>has</u> many types,	Misformation	√
84	S30	... of course, this <u>one</u> leaf bone is shaped like a human finger.	... of course, this leaf bone is shaped like a human finger.	Addition	√
85	S30	..., so <u>its look</u> unique to me.	..., so <u>it looks</u> unique to me.	Misformation	√
86	S30	Different leaf shapes <u>don't mean</u> the plant is flawed,	Different leaf shapes <u>do not indicate</u> that the plant is flawed,	Misformation	√
87	S30	<u>Of</u> the four types of leaf bones based on their arrangement, namely ...	<u>There are</u> the four types of leaf bones based on their arrangement, namely ...	Misformation	√
88	S30	Leaves are <u>an</u> important part that plants must have,	Leaves are important part that plants must have,	Addition	√
89	S31	Facial care is <u>one way</u> to maintain healthy facial skin.	Facial care is <u>one of the ways</u> to maintain healthy facial skin.	Misformation	√
90	S31	The moisturizer that is suitable <u>for use</u> for oily skin is a gel moisturizer.	The moisturizer that is suitable for oily skin is a gel moisturizer.	Addition	√

91	S32	The last but not <u>mean</u> least that is comedy genre.	The last but not least that is comedy genre.	Addition	√
92	S32	Animated topic comedy is one example among many <u>topic</u> comedy.	Animated topic comedy is one example among many <u>topics of</u> comedy.	Omission	√
93	S32	For everyone <u>to</u> reduce stress, laughing is a necessity.	For everyone <u>who</u> <u>needs to</u> reduce stress, laughing is a necessity.	Omission	√
94	S33	... direct practice with <u>the material</u> object discussed.	... direct practice with <u>the discussed</u> material object	Misordering	√
95	S33	While the molecules and the <u>element contained</u> can be known by Chemistry	While the molecules and the <u>contained element</u> can be known by Chemistry	Misordering	√
96	S34	... they eat Sashimi the main ingredient of <u>which</u> is raw fish.	... they eat Sashimi, the main ingredient of <u>it</u> is raw fish	Misformation	√
97	S34	The way to fry food <u>that is safe is not to</u> fry it too long.	The way to fry food <u>safely by not frying</u> it too long.	Misformation	√
98	S34	... are advised to reduce oily <u>eating</u>.	... are advised to reduce oily <u>food</u> .	Misformation	√
99	S34	The tools used in boiling are <u>panic</u> , water filter, and gas stove.	The tools used in boiling are <u>pan</u> , water filter, and gas stove.	Misformation	√
100	S34	Because the steaming method is difficult to be able to add spices.	Because it is difficult to add spices in steaming method.	Misordering	√
101	S34	Maybe you can, but <u>the spices added</u> won't be evenly distributed.	Maybe you can, but <u>the added spices</u> won't be evenly distributed.	Misordering	√

102	S34	All of the <u>above cooking methods</u> have their ...	All of the <u>cooking methods above</u> have their ...	Misordering	√
103	S34	The two sauteing <u>methods are the simplest</u> ...	The <u>second is sauteing method that is the simplest</u> ...	Misformation	√
104	S34	So of the four methods have their respective advantages.	So, those four methods have their respective advantages.	Misformation	√
105	S34	The three <u>method of boiling also include</u> healthy cooking methods.	The <u>third method is boiling which is also included in</u> healthy cooking method.	Misformation	√
106	S35	It can also be a barometer or rate whether strong or weak the <u>military,</u>	It can also be a barometer or rate whether strong or weak the <u>military is,</u>	Omission	√
107	S35	It <u>purposed to</u> reduce and protect the tank from mines,	It is <u>intended to</u> reduce and protect the tank from mines,	Misformation	√
108	S35	It makes MBT <u>suited to</u> breakthrough and attack mission	It makes MBT <u>suitable to</u> breakthrough and attack mission	Misformation	√
109	S35	The common additional <u>armament is</u> night vision, sonar, projectile launcher and so on.	The common additional <u>armaments are</u> night vision, sonar, projectile launcher and so on.	Misformation	√
110	S35	Because MT has additional armament <u>more simple</u> than MBT.	Because MT has additional armament <u>simpler</u> than MBT.	Misformation	√
111	S35	Destroyer Tank <u>has</u> shorter than other kinds of tanks,	Destroyer Tank <u>is</u> shorter than other kinds of tanks,	Misformation	√

112	S35	<u>There is a third</u> common characteristic of a tank in the modern military.	<u>There are three</u> common characteristics of tank in the modern military.	Misformation	√
113	S35	<u>The third</u> of them complete each other in military operation.	<u>The three</u> of them complete each other in military operation.	Misformation	√
114	S36	<u>The acceleration gear used</u> depends on the speed of the vehicle ...	<u>The used acceleration gear</u> depends on the speed of the vehicle ...	Misordering	√ “The use of acceleration gear...”
115	S38	Pop music is <u>always a hit</u> ,	Pop music is <u>always become a hit</u> ,	Omission	√
116	S39	Quality Football Leagues in the World	Quality of Football Leagues in the World	Omission	√
117	S39	Each country that is a football league certainly has different qualities.	In each country, there is football league with different quality	Misformation	√
118	S39	the quality of the club in La Liga certainly <u>doesn't</u> need to be doubted	the quality of the club in La Liga certainly <u>does not</u> need to be doubted	Misformation	√
119	S39	These two clubs have become <u>proud</u> of the Spanish league itself	These two clubs have become <u>pride</u> of the Spanish league itself	Misformation	√
120	S40	The arrival of the fans to the <u>station</u> is usually based on ...	The arrival of the fans to the <u>stadium</u> is usually based on ...	Misformation	√
121	S40	... based on various motives ranging from seeking entertainment, supporting, or even <u>blind</u> fanaticism towards the proud team.	... based on various motives ranging from seeking entertainment, supporting, or even <u>having blind</u> fanaticism towards the proud team.	Omission	√

122	S40	Casual is a new form of hooliganism after they <u>banned</u> by the British government.	Casual is a new form of hooliganism after they <u>were banned</u> by the British government.	Omission	√
123	S40	The <u>visually</u> of this casual supporter can be seen in the Firm Film.	The <u>visuals</u> of this casual supporter can be seen in the Firm Film.	Misformation	√
124	S40	... to convey a certain message or as a psycho war to the opposing <u>Tim</u> and supporters mental.	... to convey a certain message or as a psycho war to the opposing <u>team</u> and supporters mental.	Misformation	√
125	S40	Some world famous ultras groups <u>is</u> Brigata Curva Sud (PSS Sleman), La Curva Milano (AC Milan)	Some world famous ultras groups <u>are</u> Brigata Curva Sud (PSS Sleman), La Curva Milano (AC Milan)	Misformation	√
126	S40	Ultras and his way of life can be <u>watch</u> on Ultra film.	Ultras and his way of life can be <u>watched</u> on Ultra film.	Omission	√
127	S40	From all of the <u>above</u> they have their own way of ...	From all of the <u>streams above</u> they have their own way of ...	Omission	√
128	S40	The mention of casual itself refers to the style <u>worn</u> .	The mention of casual itself refers to the style they <u>worn</u> .	Omission	√
129	S40	In Indonesia <u>alone</u> there are B6 Surakartans (Persis Solo)	In Indonesia <u>itself</u> there are B6 Surakartans (Persis Solo)	Misformation	√

130	S41	This classification is based on the content of nutrients that our <u>bodies</u> need.	This classification is based on the content of nutrients that our <u>body</u> needs.	Misformation	√
131	S41	With the help of the <u>hormone insulin</u> ,	With the help of the <u>insulin hormone</u> ,	Misordering	√
132	S41	and <u>is</u> the largest component of all living cells	and <u>it is</u> the largest component of all living cells	Omission	√
133	S41	... glucose will be absorbed by the <u>body's</u> cells	... glucose will be absorbed by the <u>body</u> cells	Misformation	√
134	S41	Vitamin B9 helps <u>convert</u> the food you eat ...	Vitamin B9 helps <u>to convert</u> the food you eat ...	Omission	√
135	S42	<u>Sports</u> are one of the most important things in our life.	<u>Sport</u> is one of the most important things in our life.	Misformation	√
136	S42	Firstly, one type of <u>sport</u> is individual sports.	Firstly, one type of <u>sports</u> is individual sports.	Omission	√
137	S42	... martial arts, tennis, ice skating, skiing, rodeo events, and <u>much</u> more.	... martial arts, tennis, ice skating, skiing, rodeo events, and <u>many</u> more.	Misformation	√
138	S42	The way these sports are played depends on the <u>type</u> of sport	The way these sports are played depends on the <u>types</u> of sport	Omission	√
139	S43	... dairy products that is popular in the world, and <u>is</u> very popular with all people.	dairy products that is popular in the world, and <u>it is</u> very popular with all people.	Omission	√

140	S43	... made through a combination of processes <u>freezing</u> and agitation of ingredients consisting milk and milk product,	... made through a combination of processes <u>of freezing</u> and agitation of ingredients consisting milk and milk product,	Omission	√
141	S43	... made through a combination of processes freezing and agitation of ingredients <u>consisting</u> milk and milk product,	... made through a combination of processes freezing and agitation of ingredients <u>consisting of</u> milk and milk product,	Omission	√
142	S43	Cheese is dairy product that <u>it</u> produced through the separation of milk protein ...	Cheese is dairy product that <u>is</u> produced through the separation of milk protein ...	Misformation	√
143	S43	There <u>is</u> various type of cheese,	There <u>are</u> various types of cheese,	Misformation	√
144	S43	The milk that comes from <u>it is of</u> much better quality,	The milk that comes from it <u>has much</u> better quality,	Misformation	√
145	S44	Indonesia ranks second with 715 languages, <u>which is</u> the Janvanese Language.	Indonesia ranks second with 715 languages, <u>one of them is</u> the Janvanese Language.	Misformation	√
146	S44	<i>Ngoko Lugu</i> , all of <u>his vocabulary not</u> mixed with <i>Krama</i>	<i>Ngoko Lugu</i> , all of <u>its vocabulary is not</u> mixed with <i>Krama</i>	Misformation	√
147	S44	... Sigit choose was majoring in journalism or hospitality	... Sigit choose journalism or hospitality as a major	Misformation	√
148	S44	<i>Ngoko Alus</i> <u>not</u> intended when the interlocutor is an older person or a respectable person.	<i>Ngoko Alus</i> <u>is not</u> intended when the interlocutor is an older person or a respectable person.	Omission	√

149	S44	<i>Ngoko lugu</i> , all of his vocabulary not mixed with krama	Ngoko lugu contains vocabulary which not mixed with Krama	Misformation	√
150	S44	<u>It used</u> when communicating should be avoided with respectable or older people ...	<u>It is used</u> when communicating should be avoided with respectable or older people ...	Omission	√
151	S44	So, <u>it is use is used</u> to talk to people you already know,	So, <u>it is used</u> to talk to people you already know,	Addition	√
152	S44	The Javanese language is <u>divide</u> in to four levels	The Javanese language is <u>divided</u> in to four levels	Omission	√
153	S44	Krama Inggil is the highest level used for communication with <u>people older</u> or respectable people ...	Krama Inggil is the highest level used for communication with <u>older people</u> or respectable people ...	Misordering	√
154	S44	The Javanese language <u>must preserves and developed</u> because ...	The Javanese language <u>must be preserved and developed</u> because ...	Misformation	√
155	S44	It <u>can conclude</u> that from the four types of Javanese Language,	It <u>can be concluded</u> that from the four types of ...	Misformation	√
156	S44	..., there are <u>special's characteristics</u> and their use according to the provision.	..., there are <u>special characteristics</u> and their use according to the provision.	Addition	√
157	S44	The Javanese language is considered <u>the</u> most refined and polite ...	The Javanese language is considered <u>as the</u> most refined and polite ...	Omission	√
158	S46	Food is basic human <u>need</u> that is needed at any time and ...	Food is basic human <u>needs</u> that is needed at any time and ...	Omission	√

159	S46	It is rich <u>in</u> water.	It is rich <u>of</u> water.	Misformation	√
160	S47	<u>That's are</u> organic waste and non-organic waste.	<u>Those are</u> organic waste and non-organic waste.	Misformation	√
161	S47	<u>Non-organic soft waste</u> is waste that has soft or flexible properties ...	<u>Soft non-organic waste</u> is waste that has soft or flexible properties ...	Misordering	√
162	S47	<u>Non organic hard waste</u> has properties that are not easy to destroy.	<u>Hard non-organic waste</u> has properties that are not easy to destroy.	Misordering	√
163	S47	Plastic or glass bottle waste <u>can use</u> as a multipurpose container or place, ...	Plastic or glass bottle waste <u>can be used</u> as a multipurpose container or place, ...	Misformation	√
164	S48	It is important that you determine a healthy weight for <u>you</u> age and height.	It is important that you determine a healthy weight for <u>your</u> age and height.	Omission	√
165	S48	You also must <u>to</u> eat vegetables for nutrition ...	You also must eat vegetables for nutrition ...	Addition	√
166	S49	Ranging from laughter, tears, <u>to creating</u> a sense of fear.	Ranging from laughter, tears, <u>and to create</u> a sense of fear.	Misformation	√
167	S49	Films can also be classified <u>according</u> the number of fans.	Films can also be classified <u>according to</u> the number of fans.	Omission	√
168	S49	... where the mission requires him to do a rescue <u>or</u>.	... where the mission requires him to do a rescue.	Addition	√
169	S49	This genre of <u>film</u> <u>has been fun</u> , sophisticated and innovative ...	This genre of the <u>film is fun</u> , sophisticated and innovative ...	Misformation	√

170	S49	<u>Example</u> Jumanji; The Next Level (2019), Game Night (2018, Sazam (2019), ...	<u>The examples are</u> Jumanji; The Next Level (2019), Game Night (2018, Sazam (2019), ...	Omission	√
171	S50	Not only indulge the players with stunning graphics, <u>but the genres</u> of video games	Not only indulge the players with stunning graphics, <u>but also the genres</u> of video games	Addition	Omission
172	S50	Word games are similar to quizzes, but have a striking difference.	Word games are similar to quizzes, but they have a striking difference.	Omission	
173	S50	... the random words in to a complete sentence according to the <u>clues given.</u>	... the random words in to a complete sentence according to the <u>given clues.</u>	Misordering	√
174	S5	This is because air conditioning, <u>be it</u> air conditioning or heating require electricity.	This is because air conditioning, <u>either</u> air conditioning or heating require electricity.	Misformation	√

Indra Nursari Dewi

216121197_3H

3 Types of Glasses Based on Their Function

The eye is the sense organ that we use to see. In scientific terms, the eye is referred to as the organ of vision. We can see objects, distinguish between dark and light, distinguish colors, and so on because it is supported by the role of the eyes. And everyone's needs has clear said. With a clear said, it will make it easier to see things up close and far. However, many people also experience problems in their eyes. There are various reasons, ranging from an unhealthy lifestyle to bad habits that can reduce performance in the eyes. Which resulted in eye disorders such as minus, cylinder, and plus. And they need glasses based on their function namely minus, cylinder and plus glasses.

Myopia or nearsightedness is a common eye disorder experienced by most people. Therefore, it is necessary to use special glasses that are used for nearsightedness. Minus glasses character, marked with diopter size (d). Based on the severity, it is divided into three, namely mild myopia (minus 0.5D to minus 3D), moderate (minus 3D to 6D), and severe (above 6D). Minus glasses material is a focal or single lens. Focal lenses are designed to improve symptoms of near and far vision problems. If you are nearsighted, you need a type of concave lens, also known as minus glasses. Minus glasses aim to help people with nearsightedness to see more clearly by helping the shadows produced by the eye fall right at the eye's point of view. By using these glasses, it is hoped that the vision obtained by nearsighted people is the same as people with normal vision.

Hyperopia is a condition in which the eye cannot see close objects clearly or what is commonly known as nearsightedness. This eye disorder condition requires plus glasses to help vision so you can see clearly with close objects. The character of plus glasses depends on the degree of refractive damage that occurs in the retina of the sufferer's eye . Based on the severity, it is divided into three, namely mild hyperopia:

retinal damage less than +2.00 diopters (D), moderate hyperopia: retinal damage between +2.25 D to +5.00 D and severe hyperopia: greater retinal damage from +5.00 D. The material used for plus glasses is a focal lens with a convex lens type. Plus glasses treat nearsightedness by adjusting the shape of a shortened eyeball or correcting problems with the curvature of the cornea. This is done so that light can be focused precisely on the retina. (That way) we can again see close objects clearly.

Cylindrical eye or what is called astigmatism is a condition of blurred vision and can be experienced at the same time as nearsightedness (myopia) or farsightedness (hypermetropia). Astigmatism occurs due to imperfect curvature of the cornea or lens of the eye. There are several ways to treat cylinder eyes and one of them is by using cylindrical glasses. The character of the cylindrical glasses, depending on the severity, is mild astigmatism: less than 1.00 diopters, moderate astigmatism: between 1.00 and 2.00 diopters, severe astigmatism: between 2.00 and 3.00 diopters, very severe astigmatism: more than 3.00 diopters. Cylindrical glasses are made (with) cylindrical lenses that can neutralize the shape of the cornea and eye lenses that are not flat. The lens makes the object or incoming light refracted into one focus (not shaded) and the focus falls exactly on the retina. The function of cylindrical glasses is to improve visual acuity and comfort in the eyes so that the optical system of the eye does not blur and focus more than once.

Eye disorders that often occur are eye minus, plus, and astigmatism. So, need glasses to facilitate vision. The use of glasses depends on the level of interference experienced in the eye. In minus, plus, and cylinder eye disorders, there are several levels of eye disorders. Several levels of eye disorders, namely mild, moderate and severe. And each pair of glasses must have a different character, material, and function depending on the eye disorder you are experiencing.

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Educational Philpsophy

In everyday life, maybe the word philosophy is often heard, but do you know what philosophy is? Philosophy in Greek comes from the word "philos" which means love, while "shophia" means wise, so philosophy means an in-depth study of science based on one's love for that knowledge. So philosophy can be concluded as a science that discusses human life and thinking critically. Philosophy is a very broad science and has no boundaries. There are many branches of philosophy, some of which are philosophy of science, philosophy of law and philosophy of education. Educational philosophy is a philosophical science that studies the nature of implementation and education. Materials studied include objectives, background, methods, results, and the nature of education. The method used is to critically analyze the structure and benefits of education. Educational philosophy seeks to think about educational problems. One that is criticized concretely is the relationship between educators and students in learning. Educational philosophy can be categorized into 3 schools, while the schools are constructivism, behoviarism, and cognitivism.

The flow of constructivism is an educational theory that precipitates increasing the logical and contextual development of learners. A constructivist believes that learning only occurs when there is active information processing so they ask learners to create their own motives by associating new knowledge with those motives. Constructivists do not believe that learners construct knowledge for themselves. The role of a teacher is very important in constructivism learning theory. Instead of giving a lecture, a teacher works as a facilitator which helps the learner with his understanding. The purpose of constructivism is to develop students' ability to ask questions and find their own questions, to help students to develop a complete understanding and understanding of concepts, to develop students' abilities to become independent thinkers.

Behaviorism is a view that considers a learner basically but responds to stimuli from the environment. The Behaviorist approach focuses on guiding learners to achieve predetermined learning outcomes. Learning is considered successful when the learner

succeeds in achieving the expected results. This course is designed to meet the objectives of the eLearning course. The goal of Behaviorism-oriented instructional design **should be to** provide the learner with appropriate stimuli. Appropriate stimulation with opportunities helps them show that they are able to express the desired behavior to prove that learning has actually occurred. Learning objectives according to behavioristic theory are emphasized on increasing knowledge, while learning is a "mimetic" activity, which requires students to re-express the knowledge that has been learned in the form of reports, quizzes, or tests. Presentation of content or subject matter emphasizes isolated skills or the accumulation of facts following a sequence from part to whole. Learning follows the curriculum sequence strictly, so that learning activities are based more on textbooks/compulsory books with an emphasis on the skills to re-express the contents of the textbooks/compulsory books. Learning and evaluation emphasizes learning outcomes.

Cognitive learning theory is a learning theory that emerged after behavioristic theory. The presence of cognitive learning theory to respond to behavioristic learning theory which only pays attention to psychological conditions. The inventors of behavioristic learning theory assume that the mental conditions that exist in students cannot be observed. Whereas in reality, mental conditions can be said to be observed when learning activities are taking place. If behavioristic learning theory prioritizes stimulus and response, then it is different with cognitive learning theory which not only pays attention to stimulus and response, but also prioritizes mental and behavioral changes, such as the way students understand something, the way students think, and the way students learn. learn to use their knowledge. In general, cognitive consists of the stages of knowledge, comprehension, application, analysis, synthesis, evaluation. Cognitive means issues involving the ability to develop rational abilities. Cognitive theory emphasizes more on how processes or efforts to optimize the ability of the rational aspects possessed by other people.

From this explanation it can be concluded that philosophy is very useful for life. Especially in the field of education. In philosophy education, there are several flow categories, namely constructivism, behaviorism, and cognitive. The flow of constructivism where students learn alone, the teacher only becomes a facilitator. Then there is the behavioristic school which has a view that considers a learner basically, but responds to

stimuli from the environment. And finally, cognitive theory which emphasizes more on how to process or attempt to optimize the ability of the rational aspects possessed by other people. Despite their differences, these learning theories are very suitable to be applied in learning designs according to needs.

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Popular Big Ball Sports in Indonesia

Sport is physical activity. Sports are carried out in a deliberate and planned manner starting from the direction, purpose, time, and location. A person does sports not only for physical health but also spiritually. In Indonesia, large ball sports are enjoyed by various groups. Many people from children to the elderly. They also do sports activities to entertain themselves. Major ball sports are classified according to the way they are played, the number of players, and the injuries they cause.

The first sport is football. Football is played by 2 opposing teams. How to play soccer by passing, controlling, dribbling, shooting, heading, and goalkeeping. Each team consists of eleven players. Each served as goalkeeper, defense (sweeper, defender/libero, full-back, defensive midfielder), midfielder (deep playmaker, ball-winning mid), midfield (central midfielder, wing central midfielder, attacking midfielder, winger), attacking sector (center forward, winger). The time used in the game of football is 2x45 minutes. Victory is determined by the difference in goals scored against the opponent's goal. Ankle injuries, sprains, knee injuries, skull injuries, ligament injuries, hamstring injuries, and fractures.

The second sport is volleyball. Volleyball is also played by 2 opposing teams. How to play volleyball is with service, Forearm Passing, Bump Passing, Overhand Passing, Attacking, and Blocking. Each team consists of six people. The six people have their respective duties, namely as toser players who are tasked with providing bait so that attacks run smoothly, servers serve or punches that mark the start of the game, blockers occupy a position in the front row whose job is to stem the opponent's attack by blocking, smasher players position ideal for smashes or attacks a universal player is a term for players who have versatile functions where, players have the ability to occupy front and back positions, a libero is a defensive player to receive the opponent's attack in a rally and be in the back line. There is no time limit for playing volleyball. Victory is determined by which team is the

fastest to collect 25 points (rally points). Injuries to the ankles, dislocations of the fingers, bruises, and injuries to the knees and muscles.

The third sport is futsal. Futsal is also played by 2 opposing teams. How to play futsal ball is almost the same as soccer. The difference is that one team only contains five people. The field used is also smaller, with a minimum size of 38x20m for a maximum of 42x25m for international matches. Minimum size 25x16m and maximum 42x25m for non-International matches. The time used is only 2x20 minutes. Victory is determined by the difference in goals scored against the opponent's goal. Injuries caused are muscle injuries, contusions, lacerations, cramps, heel pain, muscle aches, sprains, ankle injuries, and fractures.

The fourth sport is basketball. Basketball is played by two opposing teams. Playing basketball each team consists of five people. Each serves as a point guard, a player with good dribbling and passing skills, a shooting guard with good shooting skills, a small forward with one-on-one ability with opposing players, power forward catching the ball that bounces off the ring in good condition. defend or attack, and the center is in charge of stemming the opponent's fire, infiltrating the opponent's defense, and guarding the defense area. The way to play basketball is by dribbling, shooting, passing, defense, rebounding, and pivoting. The time used is 4x10 minutes. That is, the game of basketball is played for 10 minutes and divided into four halves or quarters. The most common injuries experienced when playing basketball are ankle injuries, followed by the spinal cord and knees.

The last big ball game was bowling. Bowling is a type of sport whose activities are only rolling the ball using one hand until it hits ten triangular pins. If all the pins are dropped in one roll then it is called a strike. The way to throw a bowling ball is to choose the right ball, meaning that the bowling ball has small holes where we put our fingers, find the size according to our fingers, swing the ball, take four steps from the lane limit, the arm must be straight, bending the arm will make our ball becomes tilted. In playing bowling there are 10 frames where 1 frame has 2 boxes representing 2 throws. In total there are 20 throws in 1 game. The score in the bowling game is 300 which is called the perfect game when you manage to strike in each frame. Injuries experienced when playing bowling are wrist injuries, back injuries, and avoiding walking in the bowling lane area because slippery can cause falls.

All sports are physical activities that help maintain physical and spiritual health. All of these great ball sports can help keep your body healthy. The thing that must be done before doing sports is to warm up the body first. This helps us to avoid injury while exercising. Everyone can do this sport according to their hobbies. And every exercise there must be a positive or negative impact. So you have to understand the condition of your body before doing various sports. Do not do excessive exercise that is not following your body's capacity.

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KINDS OF WASTE BY NATURE

A clean environment is everyone's dream. But it is not easy to create a clean and tidy environment to be comfortable to look at. Not infrequently due to busyness and various other reasons, we pay less attention to the problem of cleanliness of the environment around us. An environment with clean conditions that are free from garbage heaps, will also be avoided from disasters. One of the causes of garbage heaps that are located **(where)** is our lack of awareness to take care of our environment. We can protect the environment around us by processing waste based on its nature and recycling the waste. Based on its nature, waste is classified into 3, namely organic, inorganic and B3 waste.

Organic waste is called wet waste (garbage), because most of it contains quite a lot of water. Household waste includes most examples of organic matter. Organic waste is a type of waste that is easily decomposed through natural processes. That is, the decomposition of organic waste can occur without human intervention. Organic waste is easy to decompose, because organic waste can be degraded by microbes (putrefactive bacteria) or **is biodegradable**. Organic waste can be reprocessed and utilized so that it can be reused. For example, processed into compost and simple fertilizer, animal feed additives, made into handicrafts, into biogas and electricity.

Inorganic waste has the opposite nature to organic waste. This type of waste is waste produced from materials that are **not of** natural origin (biological materials), but man-made materials or synthetic materials (non-natural waste). Synthetic waste comes from household activities, mining activities, building construction, and also educational institutions. Inorganic waste has a characteristic that it is difficult to decompose. Usually, materials that eventually become inorganic waste are produced through a complicated manufacturing process. Inorganic waste that cannot be decomposed by natural processes. However, inorganic waste can still be recycled and become a valuable item. There have been many ideas developed to process and recycle inorganic waste. Handicrafts for example. Processing

inorganic waste in the right way will create a positive atmosphere for the environment and living things. How to process inorganic waste in the form of plastic can be made into flower vases that are created so that it can add to its selling value and usefulness.

The last thing is that B3 waste is a material that due to its chemical properties and physical condition has the potential to cause disturbances to human health, damage and or environmental pollution. B3 waste its nature and concentration and or amount either directly or indirectly can pollute or damage the environment and or endanger the environment, health, survival of humans and other creatures. This waste has the character of Dangerous, Corrosive Irritation, Flammable, Oxidizing, Carcinogenic,, Teratogenic and Mutagenic, Pressurized Gas. The B3 waste treatment process can be carried out chemically, physically, or biologically. The chemical or physical process of B3 waste treatment that is generally carried out is stabilization / solidification. Stabilization/solidification is the process of changing the physical shape and chemical properties by adding certain enhancing agents or reagent compounds to minimize or limit the dissolution, movement, or dispersal of waste toxic power, before disposal. The biological process of B3 waste treatment that has been quite developed today is known as bioremediation and victoremediation. Bioremediation is the use of bacteria and other microorganisms to degrade the decomposing of B3 waste, while Vitoremediation is the use of plants to absorb and accumulate toxic materials from the soil. These two processes are very beneficial in overcoming pollution by B3 waste and the required costs are cheaper compared to Chemical or Physical methods.

By knowing the types of waste based on their nature, we can recycle according to the grouping of each type of waste. Organic waste that has the characteristic of being easily biodegradable we can take advantage of it by being processed into compost and simple fertilizer, additional animal feed, made into handicrafts, into biogas and electricity. Inorganic waste that has a difficult to decompose nature we can recycle by making permits that are valuable and can be sold to make money. Then the process of chemically or physically processing B3 waste that is generally carried out is stabilization / solidifikas. The process of treating B3 waste is biologically known as bioremediation and victoremediation. Following the development of increasingly sophisticated technology, we must be good at protecting the environment around us by managing waste or recycling the waste.

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Human Muscles

Muscles are one of the important parts for humans. Not only for body shape, but muscles have important functions for body movement, such as to allow the heart to beat and as a wall for the organs of the body. To note, in the human body there are many types of muscles which are estimated to be up to 600 types. These muscles are further divided into three major groups namely smooth muscles, striated muscles, and cardiac muscles. These types of muscles have an important role to help carry out daily activities.

Smooth muscle is a type of muscle in the human body that works involuntarily or unconsciously. The location of smooth muscle is not only in one organ, but spread over many organs. Smooth muscles are of two types, namely single unit and double unit smooth muscles. The only difference is how the muscle cells work. Smooth muscle in the human body has a vital function for the survival of a person. Some of its functions, such as regulating blood flow and adjusting the pupils when they see. Smooth muscle is a type of muscle tissue that is useful for putting pressure on vessels and organs. The characteristics of smooth muscles are as follows, they do not have striations, they work without orders (automatically), they are distributed in various organs throughout the body, they can contract for a long period of time, unlike striated muscles, etc.

Muscular muscles are often also referred to as skeletal muscles. Striated muscle is a type of muscle that is attached to the skeleton of the human body. Striated muscles are located in the muscle chest, muscles thigh, muscles of the calf and all parts of the human body. The functions of these muscles include, Moving the body, Providing structural support, Maintaining posture, Generating heat, which helps maintain body temperature, etc. Characteristics of striated muscle the cells have fibers that show dark and light parts. Working consciously (influenced by our will or voluntary) The reaction works quickly and irregularly.

Cardiac muscle is a muscle found only in the heart. The location of the heart muscle itself is located on the wall of the heart. Cardiac muscle has a structure that looks like skeletal muscle, but forms a network because of its branching. The function of the heart muscle is very crucial for human life, namely pumping blood throughout the body to maintain a good blood circulation process. One of the characteristics of the heart muscle is that this muscle can work well without being commanded (involuntary muscle).

As we know, muscles are one of the most important parts of the human body. It should be noted in the human body there are many types of muscles. These muscles are then divided into 3 major groups namely smooth muscles, striated muscles, and cardiac muscles. These three muscles have different functions, locations, and characteristics. Each muscle works according to its function. For example, cardiac muscle works involuntarily and never gets tired, smooth muscle works involuntarily and unconsciously, and striated muscles work consciously.

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The most genre of music that young people listen

Music is a branch of art in the form of sound. Music is a form of self-expression of thoughts and feelings that are packaged in the form of tones and sounds arranged in such a way that they contain rhythm and harmony. Each piece of music has a different technique, style, context, and theme so it is grouped as a genre of music. Music has various genres of music. With technological advances, music production does not only use musical instruments but also uses digital musical instruments. Music listeners come from all ages. Starting from children, young people, to parents who like music. The flow of music that is listened to depends on the taste of each person. The genres of music that are listened to the most by young people today can be classified into three categories, namely pop, folk, and EDM genres.

One of the most popular genres of music that young people listen to is pop music. The pop music genre is very popular among young people. Even though the times have changed, pop genre music is still widely liked. Pop music is modern music that originated in England and the United States in the mid-1950s. Elements of pop music usually take the style of country, Latin, rock, dance, and urban. This music genre is created with a basic format and the use of repetition of words, notes, and melodies of short to medium duration. Pop music itself is divided into several types, such as pop blues, pop rock, to dreamy pop. Examples of songs that use the pop music genre are BTS's - Fake Love, Juice WRLD's - Lucid Dreams, Lauv's - I Like Me Better and others.

Apart from the pop genre, the music genre that many young people like is the folk music genre. This genre is more familiar with what millennials call indie music. This flow of music talks a lot about the current state or condition. Unlike world music which has a certain code of ethics in playing it, folk music is not bound and free in expressing musical styles. This genre of folk or folk music emerged in the mid-20th century. This genre is better known as The (Second) Folk Revival or Contemporary Folk Music which reached its peak in the

60s. Usually, this song genre uses acoustic musical instruments as accompaniment. Folk songs include Banda Neira's - Sampai Jadi Debu, Stars and Rabbit's - Man Upon the Hill, Payung Teduh's - Berdua Saja, and others.

In this millennial era, many young people like Electronic Dance Music or EDM music. Much of EDM's music has an upbeat and upbeat tempo that contains positive and fun nuances that encourage listeners to dance. EDM first appeared in the mid-1980s. This genre is an umbrella that covers dance music or electronic music which is dominated by remix music. This music is often labeled as part of hedonism because of the slogan "free and be yourself" and lacks political and emotional content so this music is considered rah-rah music. Making EDM music can use music software without using musical instruments. Several types of EDM music, namely techno, house, drum & bass, jungle, to dubstep. Songs in the EDM genre, namely The Chainsmokers - Closer, Weird Genius - LATHI, Coldplay's - Something Just Like This, and others.

Music has many streams that anyone can listen to regardless of age. Starting from children, **and** teenagers, to adults. According to the survey, young people indirectly spend 50 US dollars every year to go to music festivals. Some of the genres favored by young people include the pop genre, the folk genre, and the EDM genre. There are several reasons why this genre is liked by young people, including music with upbeat nuances, light modern music, or even music that talks about current conditions. Music can be enjoyed anytime and anywhere. Even without knowing the genre contained in a song, we can still enjoy the song according to our musical tastes.

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The Main Human Races

Humans are created with their own uniqueness. This uniqueness is reflected in the differences in each individual. Basically, humans have differences from the most specific to the general. In specific matters, for example, everyone has a different character, lifestyle, and preferences. Whereas in general matters, for example, humans have different cultures, languages, ethnicities, religions, and races. The most noticeable distinctions are physical ones. The human body is biologically linked to genetics. In the end, this will be about the human races. People are classified into three categories based on their race.

The Mongoloid race is a race that is usually called the "yellow skin race". However, in reality the Mongoloid race has various skin colors such as ivory white, light brown, dark brown and even red. They have black and straight hair. The Mongoloid race has a round and oval head shape. The nose is pug-shaped and short. Their eyelids are tilted and have dark brown eye irises. Furthermore, the Mongoloid race has a smaller and shorter physical size than the Caucasoid and Negroid races. The majority of the Mongoloid race settled in East Asia, Southeast Asia, North Asia, Northern Europe, the Pacific Islands, and the South America.

The Caucasoid race is commonly referred to the "white skin race" even though in reality this is not true. White skin color is the dominant color owned by people who have the Caucasian race. However, some Caucasians have skin tones ranging from light brown to dark brown. While wavy, straight, and somewhat curly hair dominate their hair's character. The hair color is also light, rarely dark. The Caucasian head shape is long and oval. Besides that, the character of the nose is sharp and big. The Caucasoid race eye color is probably one of the most beautiful eye types in the world. This is inseparable from the color of their eyes which tend to be brighter and more colorful, such as green, blue, gray, light brown and many more. This race is spread in various regions such as Europe, Russia, America, North Africa, the Middle East, and India.

The Negroid race is usually referred to the "black skin race." Not always black, the skin of the Negroid race can also be dark brown. Negroid race hair is curly, black, and only grows a little. The head shape is dominated by a spherical head shape with a prominent occiput area. Their noses are large and flat, with low nasal bones. They have tiny brows and eyes that are dark brown or black. The Negroid race lives primarily in the South of the Sahara Desert, as well as southern Africa, New Guinea, and Australia. Besides that, Indonesia also has a Negroid race originating from South India. They can be found in the areas of East Nusa Tenggara, Riau, Jambi, and Siak.

All of the races that exist in this earth are lovely and unique in their own way. The Caucasoid race that is identical with white skin. The Mongoloid race which is identical to its light yellow skin. The Negroid race that is identical with black skin. The beauty of diversity is revealed by these differences. Regardless of our physical form and whatever our race, we should always be grateful. God made us uniquely so that we could complete one another. Furthermore, we must understand that physical variations are formed for the benefit of being able to adapt to the environment in which we live. Therefore, we should not consider ourselves superior to others. We must not denigrate or discriminate against people of other races. Let us live in harmony and with mutual regard for one another.

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Phenomenal Coffee

Indonesia is one of the largest coffee producers in the world. The Central Statistics Agency (BPS) recorded that the amount of coffee production in Indonesia in 2021 reached 774.60 thousand tons. Indonesia's fertile soil and climate make the amount of coffee produced in Indonesia large. Besides that, the common tradition of drinking coffee in Indonesia makes coffee a necessity. And because the tradition of drinking coffee in Indonesia gave rise to various types of coffee in Indonesia. These types of coffee include civet coffee, Sidikalang, Java, Kintamani, Toraja, and Gayo. Among these coffees are three of the best coffees in Indonesia, namely Gayo, Toraja, and Kintamani.

Gayo coffee is the best coffee bean from the Gayo highlands, Central Aceh. This coffee from Aceh has a texture that is not so thick with a balanced level of acidity. This coffee is known for its distinctive taste and aroma. Gayo coffee has a strong taste character with low acidity. Gayo coffee also has a slight aroma of spices but doesn't stick to the tongue. Broadly speaking, there are two ways of processing Gayo coffee fruit, namely wet processing (West Indische Bereiding) and dry processing (Ost Indische Bereiding). The main difference between the two processes lies in the stripping process. Where in the dry processing process, the fruit flesh will be peeled from the horn skin and epidermis after the coffee beans are dry. Meanwhile, in the wet processing process, the fruit flesh will be peeled while the coffee beans are still wet.

Toraja coffee is one of the popular variants that has the best quality in Indonesia. This coffee, which comes from the land of Toraja, South Sulawesi, has a distinctive taste and unique character. With the Latin name Celeber Kalosi, Toraja coffee is well-known among coffee lovers around the world. The taste of Toraja coffee is known to be very delicious and distinctive. One of the reasons is that it is planted in mountainous areas with altitudes reaching 1400 to 2100 meters above sea level, namely in the Sasean Mountains it is planted in volcanic soil areas. Toraja coffee has an irregular shape and size with a dark brown color.

The process of harvesting Toraja coffee is very selective. Only those that are old are harvested and processed using the wet hull method. Toraja coffee tastes clean, they generally feature the characteristics of spices or nuts, such as cinnamon or cardamom (a type of ginger).

Kintamani coffee originating from the Island of the Gods has a taste and aroma that tends to be fresh, and citrusy plus hints of chocolaty, caramel, or brown sugar. Kintamani coffee also does not have the taste or aroma of spices or spices typical of other types of coffee in Indonesia. This is thanks to the unique planting process. As for the body, it tends to be medium and doesn't taste too bitter with a sour taste like oranges. In addition, coffee which has become an export commodity also has a caffeine content that is not too high. Kintamani coffee is grown at an altitude of 900-1000 meters above sea level near Mount Batur. As already discussed, the taste and aroma of Kintamani coffee tend to be citrusy. One of the reasons is the cultivation process which is unique and unusual. Kintamani coffee brewed by brewing also gives off a stronger aroma.

Indonesia is one of the largest coffee producers in the world. The three best coffees in Indonesia are Gayo, Toraja, Kintamani. Gayo Coffee is coffee from Aceh which has a **texture** that is not so thick with a balanced level of acidity. Meanwhile, Toraja Coffee has an irregular shape and size with a dark brown color. Lastly, Kintamani Coffee, which comes from the Island of the Gods, has a taste and aroma that tends to be fresh, and citrusy, plus a hint of chocolaty, caramel, or brown sugar. These 3 best coffees is a pride for our country with the wealth of coffee commodities in Indonesia.

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Classification of Football Strikers

Do you know what football is? Football is one of the branches in the world of sports. Because of the popularity of this sport, fans from various circles. Both the old and the young. The main feature is to use the ball and the goal in every game. In every football match there are 2 teams that will play against each other. Each team consists of 11 players. Players in this game aim to score as many goals as possible against the opponent's goal. All these 11 players are allowed to score goals. But what is required to continue to score goals is a player with an attacking position. Among them are CF Attackers, LWF/RWF Attackers, and SS Attackers.

In football games, of course, players with CF (Central Forward) positions or also known as center forwards are not spared. The center forward is the closest position to the opponent's goal. The main task of an attacker is to score a lot of goals. Center attackers must have 3 main things, namely speed, technique to control the ball, and also talent. Being able to run quickly for a center striker is important, because when there is a rebound or deflection the center forward is able to bring the ball close to the goal. Of course, by running fast, your opponent will not be able to catch up with the center striker. Controlling the ball is an attempt to stop the ball that is going fast when playing soccer. When a player gets feedback from his teammate, he will control the ball. Talent is the habit of a center forward in playing football. Habits like Juggling and Dribbling.

Then the LWF/RWF (Left Wing Forward/Right Wing Forward) Attacker which means the wing attacker. The winger is to the right or to the left of the centre-forward. Wing attackers must have good dribbling skills. Dribbling is a technique of dribbling the ball in an attack effort and moving the ball from one point to another using the feet. That's why wing forwards must have good dribbling skills to provide crosses to center forwards. But that's not all the wing striker's job is. Wing attackers can score goals through their individual actions because they are equipped with good dribbling abilities.

Only center forwards and wingers who are in this type of attack in the game of football. There is also what is commonly called SS (Second Striker) which means Shadow Attacker. Shadow striker is positioned behind the center forward. Shadow attackers must have accurate bait skills, swipes, to targeted kicks. Shadow strikers are also responsible for setting up opportunities for center forwards and wingers. The job of the shadow striker is to disrupt the opponent's defense by moving a lot without the ball. The goal is to give the centre-forward a chance to score. And another task of the shadow attacker is to be the focus when the attacker is having trouble.

In the perception of sport in general. Football is a sport that relies heavily on more than just tactics. But also luck to win a match. Football is a series of physical sports activities of skill and technique. Talking about skills and techniques certainly does not escape the role of an attacker. The attacker is a player who is very reliable to score goals. With various skills and talents an attacker will be more lethal if he understands his preferred position.

The most popular veil 3 category

Fashion is a person's style of dress in daily life or certain activities to support appearance. In fashion, there are various models, one of which is Muslim fashion. Muslim fashion has many models of dress styles, such as models of clothes, skirts, headscarves and others. One of the most popular Muslim fashions is the veil. The veil is a head covering used by Muslim women to cover the head and hair. Therefore, because of the times, the trend of the veil model has developed. This happens because fashion trends are growing among young people and adults. With the emergence of various models of the latest interesting veils. In order to stay comfortable, the veil comes with various materials and models and which can be adapted to the development of Muslim fashion trends. Which can be divided into 3 categories of modern veils, namely Quadrilateral Veil, Instant Veil, Pashmina.

Of the 3 categories of veils, one of the most popular is the Quadrilateral Veil. Quadrilateral Veil is a veil that is square in shape. In its use, this square veil is folded into a triangle so that it can be used. The material used for this square veil is very varied. Starting from Voal, Polycotton, Cronskin, Waxmara to Wolfis. This square scarf is very popular among young people and adults. Because of its simple use, it is evident from a long time ago that square hoods are still in great demand. In addition to the square veil, the veil that is also popular is the Pashmina.

Pashmina is an elongated cloth usually made of Kashmiri material. Or in other words pashmina is a long veil. How to wear a pashmina scarf is usually wrapped around the head to finally form the desired style. With the development of trends, the materials used by Pashmina also vary. Such as Chiffon, Ceruti, Diamond Italiano, Voal, Cotton, and other materials. These varied developments are influenced by Muslim fashion trends. Pashmina is in great demand by various groups because of its elegant model, which can increase the confidence of Muslim women. Besides, Pashmina who need a pin to use it, there is an instant veil that is simple to wear.

Instant veil is a simple veil, which can be worn without having to use a safety pin. With the advancement of Muslim fashion trends, instant hijabs have experienced many developments in models and materials. This instant hood model is like Bergo Maryam, Bergo Sport, Jersey Veil and other types of models. The materials used by instant hoods are also many such as Moscrepe, Jersey premium, Crinkle Airflow, Lycra and other varied materials. Many people like to wear instant headscarves because how to use them is very simple. In addition to the easy and simple way of using it, many people like to wear instant headscarves because the trend of models is more varied. With the development of the instant hijab trend, the interest of its users is getting higher. And make instant veils become one of the popular veils among young people and adults.

The development of Muslim fashion trends has undergone many changes from time to time. One of them is the veil that gives rise to various innovations because of the existing Muslim fashion trends. Not only as a head and hair cover, the veil can also be an attractive fashion. Young people and adults have a great interest in hijab fashion, giving rise to new innovations. Namely with the models of square veils, pashmina headscarves, and instant headscarves nowadays. And a variety of hoods that are comfortable when used. The model and material of the hood can support great confidence in its users.

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The Difference Between The 3 Ingredients In Exfoliation

Who does not want to have healthy and clean facial skin? To get healthy and clean facial skin, it is necessary to have a series of treatments on the facial skin. In addition to using basic skincare every day, it is important to exfoliate. Exfoliation is done only 2 times a week which is different from the use of skincare that is used every day. Facial exfoliation is a skin treatment that is done to remove dead skin cells and dirt that sticks to the surface of the skin. By exfoliating regularly, the skin will look brighter, avoid acne, and minimize the appearance of fine wrinkles on the face. Also, keep in mind that everyone has different skin conditions and different skin problems. In this case the content of exfoliation is also important to adjust to the condition of the skin. There are 3 commonly used exfoliants, namely exfoliating with acid content for normal skin that tends to dry, exfoliating with enzymes for sensitive skin and exfoliating with scrubs for all skin types.

The first exfoliation is exfoliation with Acid content. This exfoliation is a popular exfoliation used by many people lately. The types of acids used in this ingredient are AHA (Alpha Hydroxy Acid) and BHA (Beta Hydroxy Acid). Exfoliating with this ingredient works on the surface of the skin which is water soluble. With water-soluble ingredients, this content can enter the deep pores of the skin **and** is very suitable for use on skin that tends to be dry and textured. The reaction to using Acid is to cause a decrease in the pH of the skin on the face so that it requires dehydration afterwards. This reaction is able to slowly shed dead skin cells. So that the skin will be exfoliated evenly with several uses.

The second exfoliating ingredient is Enzymes. This enzyme exfoliation uses a proteolytic enzyme. This proteolytic enzyme works by breaking down proteins on facial skin. The types of enzymes that are often used include bromelain from pineapple, papain from papaya and pumpkin enzyme from pumpkin. Exfoliation with this enzyme content works in the same way as the Acid content but Enzyme is able to exfoliate in a short period of time. This ingredient also has a smoother texture, so it can only exfoliate on the surface of

the skin. The ingredients in this exfoliant can also destroy skin tissue that holds dead skin cells which are usually found in sensitive skin conditions. The use of this enzyme exfoliator can solve the problem of sensitive skin that cannot accept exfoliation with acid content.

And the last exfoliating ingredient is exfoliation with scrub content. This exfoliating scrub is different from the previous 2 ingredients, which are included in the physical exfoliate. The ingredients used as scrubs generally come from natural ingredients such as seeds, sugar, and salt. Exfoliating with this scrub content works by rubbing the scrub granules on the face to remove dead skin cells. Exfoliating products containing scrubs feel rough on the skin and have a sand-like texture. The use of this exfoliation can be done alternately with the use of other exfoliants. Therefore, this exfoliating scrub is suitable for all skin conditions, even sensitive skin. Then the thing to remember in using this exfoliating scrub is to keep the hand pressure as smooth as possible. So that dead skin cells can be lifted perfectly and the scrub content can enter optimally.

Choosing an exfoliating ingredient that suits your skin type is one way to get healthy and clean facial skin. Because every day the face always produces dead skin cells, it is important to exfoliate twice a week. Exfoliation really helps the face in regenerating skin cells on the face and helps optimize basic skincare work. If you routinely exfoliate your skin, it will make your skin healthy and nutritious, so exfoliating can be a way to invest in facial skin in the long term.

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Electrical Conduction

Electricity is something that cannot be separated from our lives today. In all activities, everyone requires electricity every day. We, of course, need electricity for our daily activities. From before going to bed until we wake up, we certainly cannot be separated from objects related to electricity. We humans are accustomed to using technology that requires a source of electrical energy to survive in this modern era. In fact, most of the household appliances that we use often require a power source to turn on. For example, devices such as lights, TVs, air conditioners, refrigerators, etc. require electric conduction to operate. As a result, the material that is used in appliances must be able to conduct electricity effectively. As for some substances that can be categorized based on their electrical conductivity from the best to the bad, these electrical conductions are classified into three types.

The best electrical substance to conduct electric current is a conductor. A conductor's material is able to conduct a lot of electrons through it. Conductors conduct electricity since they offer resistance to the flow of electrons. From that process, a flow of electrical current is created and ready to be transferred. Finally, current electricity can be transferred to the intended object. The characteristic of this conductor is that it allows electrons to flow through the material even when a minimum amount of voltage is applied. In electrical and electronic systems, conductors consist of solid metals molded into wires. In some conditions, water can be a good conductor too. If we touch the electrified water, it can create a shock in our body. As for the materials of conductors, for example, steel, aluminum, silver, gold, etc. Therefore, these objects are often used for electricity needs.

The good electrical material to transfer electricity is a semiconductor. Semiconductor has specific electrical properties that enable it to serve as a foundation for electronic devices. It is actually a solid substance element that conducts electricity under certain conditions but

not others. Semiconductor material only functions as an electric current amplifier. A semiconductor conducts electric current if there is a voltage from the conductor. The typical of the semiconductor can be changed by injecting other materials, commonly referred to as "electron donors." It is because of this characteristic that semiconductors are only capable of carrying very small amounts of charge. Examples of semiconductor materials are silicon, germanium, and carbon. These materials are commonly found in CCDs in digital cameras and computer chips.

The bad substance to conduct electricity is an insulator. Insulator materials can't flow electric current freely in certain ways. When electricity is supplied to the insulators, no electron transfer will occur. Therefore, insulation is used in electrical equipment to separate electrical conductors without allowing current to flow through them. The character of the electrical insulator itself **is such that it** is able to block the flow of electricity and is not able to carry electrical voltage to move from the power source to the object. While objects that cannot be electrified are those that have insulators, such as glass, wood, plastic, or rubber. When an electric current conducts electricity to an object, insulators are good at avoiding it at normal voltages. Thus, the use of this material can usually be found in the wrap of cables or electrical wires.

To sum up, All the activities we do every day cannot be separated from the function of electricity. The use of electricity in our lives can certainly be seen from various angles. To be able to feel the benefits of electricity, it is necessary to have a process of electricity conduction from the power source to the intended object. The possibility of the presence or absence of electricity is also distinguished in several categories of materials used. The good or bad electrical conductivity that occurs is influenced by the material. The material used in the conduction of electricity can be either a conductor, a semiconductor, or an insulator. The classification of these materials is distinguished based on the presence of an electric current and voltage that are distributed.

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Online Transportation

Do you know that online transportation is getting more and more nowadays? Online transportation is where someone will use an online ride and they don't have to go to the station, terminal or airport. Online transportation is now growing so rapidly. In Indonesia they already have online transportation called Gojek, in Malaysia there is one called Grab and in Russia there is one called Maxim. The three online transportations were created by the nation's children from the three countries. Gojek was created by Nadim Makarim who now serves as the minister of education in Indonesia, Grab was created by Anthony Tan and Tan Hooi Ling in Malaysia while Maxim was created by young engineers in Russia. Of the three transportations, we can use services such as Go ride for passengers, Go food if you want to eat fast without having to go to a restaurant and Go Mart if you want to buy goods at a supermarket. Online transportation is now easy to use, we only need a smartphone and install these three applications on the Playstore or Appstore. With everything online like this, we only need an internet data package to be able to use online transportation. Now not a few people use online transportation services, school children to adults use online transportation. Online transportation in every country must be developed and appreciated for its developers, because online transportation is very helpful for people who need services suddenly.

The history of Gojek online transportation started with the anxiety of the founder, Nadiem Makarim, who used motorcycle taxis to go to work every day. The online transportation that is now attached to the Indonesian people is Gojek. Gojek was first created on October 5, 2009 with 20 drivers. In 2014 Gojek managed to get investment and funding. Exactly on January 7, 2015 Gojek managed to launch an application for Android and iOS. Many Indonesians rely heavily on online transportation to facilitate their mobility. Online transportation is now very popular with the public because of its easy access. Gojek is the first Unicorn company in Indonesia, its success has made Paypal and Facebook invest in Gojek.

One of the advantages of technology is that it facilitates various types of activities including traveling. In the past, we had to wait a long time for public transportation to be boarded. There is also online transportation called Grab. This online transportation was established in Malaysia in June 2012, which is younger than Gojek. The founders of Online Transportation are Anthony Tan and Tan Hooi Ling. Grab is now Headquartered in Singapore and In Jakarta, Indonesia. This transportation is also known as Grab Taxi in several countries in Southeast Asia such as Indonesia, Singapore, Thailand and **the** Philippines. Online transportation apart from Gojek is also called Grab, this application is very developed in the Southeast Asia Region.

Meanwhile, from Russia, there is also Online Transportation named Maxim. This online transportation was founded by young engineers in the city of Kurgan, Russia. Maxim began to develop in Indonesia since 2018. Maxim was founded in Chardinsk City, Russia in 2003. Maxim in March 2020 began to expand its access to 500 cities in all corners of the world. This is growing, there are more than 1,000 cities in the world recorded in January 2022. Present in Indonesia, making it one of the target markets for online transportation companies. No less competitive, there is an online transportation company that is older than Gojek and Grab, which is currently growing until now, namely Maxim.

Online transportation is where someone will use an online ride and they don't have to go to the station, terminal or airport. Online transportation is now growing so rapidly. in Indonesia they already have online transportation called Gojek, in Malaysia there is one called Grab and in Russia there is one called Maxim. Gojek was first created on October 5, 2009 with 20 drivers. This online transportation was established in Malaysia in June 2012, which is younger than Gojek. This online transportation was founded by young engineers in the city of Kurgan, Russia. Maxim began to develop in Indonesia since 2018. Transportation online is now growing rapidly throughout southeast asia.

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Types of Personality

Personality is the dynamic of a functional psychophysical organization of human beings that turns into specific patterns of behavior in the face of life. Each individual has a functional uniqueness in their system of psychophysical organization in a living environment. In interacting with people in their living environment, each person will have their own personality type in adapting, adjusting, or giving up in that environment. God did create people with diverse dispositions and personalities. This type of personality will determine how the person thinks, behaves, and interacts in their daily lives. In psychology, many sciences talk about personality types. Some say, the person's personality is irreversible and has been formed since infancy. This person's personality can actually be learned and there is a person who has similar characteristics to another person. Like people who in the social environment are more dominant, minority, or some are in the middle. Personalities can be classified into three categories by its type, namely introvert, ambivert, and extrovert.

Introvert. Introverts are one of those personality types that focus more on thoughts, moods, and feelings internally. An introvert feels more comfortable when they can focus on their ideas and thoughts. They are more able to enjoy the atmosphere when spending time with only one or two people, rather than with a crowd. An introvert is a personality type that is often mistaken for shy. In fact, introverts and shyness are not the same. Introverted people prefer to be alone in order to accumulate energy. However, they actually have no problem when it comes to socializing, even if it is to a small degree. Generally, these introverted people don't really like small talk, but prefer quality and meaningful chat.

Ambivert. Ambivert is a personality type formed from a combination of introvert and extrovert personalities. People with ambivert personalities can generally enjoy the time when they are in social situations, just like people with extroverted personalities. However, on the other hand, people with ambivert personalities also need time for themselves, just like an introvert. The attitude of an ambivert is easy to change depending on the environment in which they were located. Unfortunately, people with ambivert personalities can be seen as

moody people because of their volatile personalities. Even so, people with ambivert personalities tend to be more flexible in dealing with various situations. Although rarely heard, this type of personality is actually more numerous than introverted or extroverted personalities.

Extrovert. An extrovert is a personality that is inversely proportional to an introvert personality. That is, people with extroverted personalities are more open and active in social situations. Extroverted people tend to enjoy interacting with many people, talkative, open, and passionate. In fact, extroverted people are happy if they are seen in various different activities. Not only that, people with this personality tend to be active in taking action and realizing various things in their heads. Therefore, people with this personality are easier to adapt to various conditions. People with this personality are also more receptive to what others tell them.

In short, most people still don't know their true personality type, whether introvert, ambivert, or extrovert. This is because everyone has a different type of personality. Each personality has significant differences, such as how they behave in their environment. People with introverted personalities tend to spend time on their own. During that time, they feel more comfortable and focused. Ambivert is a personality that can lead to extroverts as well as introverts, depending on the situation at hand. A person with this personality usually blends in like an extrovert, but is also smart to be alone and doesn't talk much like an introvert. Meanwhile, an extrovert is a well-known personality who is active and open with everything they feel. His active role in the social environment makes the atmosphere colorful. In spite of that, whatever your personality type, surely you have your own advantages. Make your personality type your strength to take yourself to the outside world.

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The 3 Different Personality

Every human being has a different and unique personality type. This type of personality will determine how a person thinks, acts, and interacts in his daily life. In psychology, there are many sciences that discuss personality. This personality can be learned, and every human being has the same personality. This personality arises because of the habit of interacting. The habit starts from the characteristics that like to socialize and tend to be less social. Sometimes some people easily mingle with new people, and there are also some people who find it difficult to mingle with new people. So in psychology a person is divided into 3 categories based on his personality. Maybe most people have extrovert traits, but there is also one type of personality where this personality tends to balance the two existing types, namely ambivert, and the last one is introvert.

The first human personality is extrovert. Extrovert personality is a person who talks a lot. Extroverts are outgoing and sociable and thrive on interaction. So extroverts get their energy from engaging in social interactions. From there they get inspiration, joy, and exchange ideas with others. So, someone who has an extroverted personality is very easy to make new friends. By expanding the network of friends through activities of interests, talents. This extroverted personality has thoughts that work better in a group than alone. They will feel lonely when alone. Therefore, through group interaction, you can allow them to explore and talk things out.

The second most common personality type is ambivert. An ambivert is someone who has a balance of extrovert and introvert traits in their personality. They behave according to the situation. Introverts are highly stimulated when they try to avoid social crowds if they are feeling anxious or overwhelmed. If the stimulation is low, the extrovert tends to make the extrovert feel bored. So they seek social stimulation to feel good. That's why an ambivert is also usually called an introvert in certain circumstances, because it takes time to fill your energy before socializing. But they can be an extrovert but likes to be alone.

The last human personality trait is introversion. An introvert is someone who prefers to spend time alone and think before speaking or acting. In contrast to extroverts, when extroverts get energy by socializing, introverts actually feel their energy is drained after a long time of socializing, so they restore their energy by spending time alone. Introverts tend to avoid talking to other people about unimportant things. usually sensitive to noise, conversation, and feelings, so it can sometimes be exhausting to be around a large group of people because they take it all in. An introvert does have a weakness, but there are many ways to get around that deficiency. So this will help you understand that introverts are not only a weakness. So it can be understood that introverts are not only a weakness.

Personality traits determine how humans can interact with and react to the environment around them. In addition, to provide the most comfortable feeling, both socially and individually, So it can be concluded that any personality possessed by a person must have its own advantages. Make your own personality a force to bring about better development.

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Classification of Macronutrients

Humans may or may not realize that humans can never be separated from nutrients. The food we eat every day is certainly a source of nutrients. However, consuming food is not just to satisfy hunger. We also have to pay attention to the nutrients contained in the food. Even today, there are still many people who do not understand the components of nutrients and their importance for health. Each component of a nutrient must have its role for the continuity of maximum body function. Nutrients are important elements to form and replace cells, regulate the body's performance processes, and more importantly a source of human energy. Therefore, there needs to be a balance between the needs of life and the nutrients in the food consumed, so that the amount of energy and nutrients consumed by the body is equivalent to the energy released from the body. To meet these levels of nutrients, a large number of nutrients are needed for the body called Macro Nutrients, of which there are 3 such as carbohydrates, proteins, and fats. Macronutrients are nutrients needed by a person's body in large amounts in grams per day.

The first is carbohydrates. Carbohydrates are macronutrients that include sugars, starches, and natural fiber in food. Sugar and starch supply energy in the form of glucose, which is the main energy source for red blood cells, the brain, the central nervous system, the placenta, and the fetus. Sugar is a type of carbohydrate that is quickly digested and absorbed in the bloodstream which naturally can be found in fruit, milk, and other processed products, and can be found in additional forms in food. Starch is naturally found in rice, corn, wheat, sago, pasta, and others. While fiber is a type of carbohydrate that cannot be digested because it cannot be broken down by digestive enzymes, it is relatively intact through the large intestine, so it can encourage healthy bowel movements. Fiber is naturally found in many **whole** kinds of cereal, tubers, nuts, vegetables, fruit, and others. Eating foods that contain carbohydrates, will quickly supply energy as fuel for the body, especially if the body is hungry.

The second is protein. Protein is the main structural component of all body cells and functions as enzymes, hormones, and other important molecules. Protein is known as a unique nutrient because it provides essential amino acids to build body cells as well as a source of energy. Because they provide the "raw materials" for building the body, proteins are called building blocks. Besides that, protein is useful for protecting the acid and base balance in the blood and tissues is maintained, besides that, it also regulates the water balance in the body. Protein is divided into 2 namely animal protein and vegetable protein. Animal protein can be obtained from eggs, fish, meat, poultry, and milk, in general, it is high-quality protein. As for vegetable protein obtained from grains and legumes, it is generally a lower quality protein, except for soy and processed products such as tempeh and tofu.

The third is fat. Fat is a macronutrient, which includes fatty acids and triglycerides. Fats are commonly known as lipids. These lipids unite the saturated, unsaturated, and cholesterol groups of fats. Lipids are distributed singly (fats and cholesterol), or inbound forms (phospholipids, lipoproteins, and glycolipids). Structurally, fat as we know it is a triglyceride substance, and it is not at all the same as cholesterol. So, it's starting to be a little clear that fat and cholesterol are different substances, but are in the same group of substances, namely lipids. Both are equally insoluble in water but can be soluble in organic solvents such as ether, alcohol, and chloroform. One of the functions of fat that most people know is that it can maintain body temperature. Because at that time, the layer of fat under the skin insulates the body and prevents rapid heat loss. Fat is very easy to find in side dishes such as fatty meats and foods that contain oil.

The conclusion from all this is that the main source of energy comes from nutrients in the form of foods that contain carbohydrates, proteins, and fats. The first is carbohydrates which are the main source of human energy. The second is a protein that plays a role in the growth and maintenance of tissues and body cells. The third is fat which plays a role in maintaining body temperature. If everything is met, then the energy metabolism in the body will also be good. A person will feel strong and always have energy when doing activities. But if a person's body lacks energy, then his physical ability to carry out activities will decrease so that their work productivity decreases. Lack of nutritional value can also lower the body's immune system which can make it easier for a person to contract viruses and

diseases. Therefore, we must pay attention to the nutritional value contained in what we eat. Set up an adequate rest pattern and drink plenty of water, then our lives will always be healthy.

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Mental Disorders with The Most Sufferers in The World

Did you know, to get a healthy body, we need to pay attention to physical health as well as mental health at the same time? Although often viewed as two separate things, mental and physical health are closely related to each other. Physical health refers to the physical state of the individual and the proper functioning of all external organs and internal organs. Meanwhile, mental health according to the World Health Organization (WHO), mental health is not only a state of being free from mental illness, but a state of well-being physically, mentally, and socially as a whole. A person with a healthy mentality will also affect their physical condition and quality of life. In 2019, 1 in every 8 people, or 970 million people worldwide lived with a mental disorder. In 2020, the number of people living with mental disorders increased significantly due to the COVID-19 pandemic. Mental disorders are characterized by clinically significant disturbances in the cognition, regulation of emotions, or behavior of individuals. Therefore, it is important to maintain mental health from **an** early age. Here are some of the mental disorders with the highest number of sufferers in the world according to the World Health Organization (WHO) in 2019.

A mental disorder that occupies the first position based on the number of sufferers is anxiety disorder. 301 million people lived with anxiety disorders including 58 million children and adolescents. Anxiety disorders are excessive and uncontrollable anxiety or worry about things, such as before a job interview, when you have to make important decisions, or when waiting for the results of a doctor's examination. This condition can be accompanied by physical symptoms, such as profuse sweating, difficulty breathing, or palpitations. When this condition occurs, a person with an anxiety disorder generally cannot explain why he or she feels anxious or worried excessively. If left unchecked, anxiety disorders can cause an impact on daily activities. Treatment for anxiety disorders includes cognitive behavioral therapy (CBT) and medications. These two steps will usually be combined according to the needs of the patient. In addition to these methods, you can do

some of these activities to overcome or simply alleviate the symptoms of anxiety disorders. Such as, taking a deep breath, focusing on what is being done, making time for yourself or me time, and of course regularly exercising and maintaining a diet.

Second, 280 million people lived with depression, including 23 million children and adolescents. Depression is a mood disorder characterized by deep and prolonged feelings of sadness, unstable emotions, feelings of hopelessness or frustration, and loss of interest in things that are liked. If allowed to continue without treatment, depression can cause a decrease in work productivity, disruption of social relationships, and the emergence of suicidal ideation. Depression can affect anyone, including women and men. Factors that can trigger depression include the presence of stressors or severe psychosocial that afflicts a person. Depression will be easier to cure if detected earlier and treated immediately. Treatment for depression includes psychotherapy, medication, or electroshock therapy. The doctor will choose from these treatment methods based on the patient's condition. Depression can also be alleviated by maintaining a diet, exercising regularly, getting enough sleep, and doing fun things with those closest to you.

Third, 40 million people had bipolar disorder. Bipolar disorder is a mental disorder characterized by drastic changes in mood. These mood swings can happen in a matter of hours, days, or months. People with this disorder can feel very happy and then turn very sad. Bipolar disorder can be suffered for life, affecting the sufferer's activities. The cause of the bipolar disorder is not yet known for certain. However, this condition is thought to occur due to genetic factors. In addition, environmental and lifestyle factors can also cause a person to get bipolar. The administration of drugs and psychotherapy can help sufferers carry out daily activities. This bipolar disorder treatment aims to reduce the frequency of symptoms, help sufferers return to their usual activities, and reduce the risk of experiencing other health problems. (To date,) no method can prevent bipolar disorder. However, to reduce the frequency of recurrence of symptoms, people with bipolar are recommended to regularly take medications as prescribed by a doctor or undergo psychotherapy.

To sum up, mental and physical health are closely related to each other. Physical health refers to the physical state of the individual and the proper functioning of all external organs and internal organs. Meanwhile, mental health is not only a state of being free from

mental illness, but a state of well-being physically, mentally, and socially as a whole. According to the World Health Organization (WHO) in 2019, the following three mental disorders occupy the top positions with the highest number of sufferers in the world. First, is anxiety disorders. 301 million people live with anxiety disorders. People with anxiety disorders will feel excessive and uncontrollable anxiety or worry about things. They cannot explain the reason for the anxiety or worry experienced. Second, depression. 280 million people live with depression. Depression is a mood disorder characterized by deep and prolonged feelings of sadness. Depression can lead to a decrease in work productivity and even the appearance of suicidal ideation. Third, bipolar disorder. 40 million people have bipolar disorder. Bipolar disorder is a mental disorder characterized by drastic changes in mood. This disorder can be suffered for life, affecting the sufferer's activities. To avoid or prevent such mental health problems, it is very important to maintain mental health early on. When a person is psychologically, socially, or emotionally prosperous, it can be said that the individual has a healthy mentality. A healthy mind is a forerunner for us to continue to develop.

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Natural Science

Knowledge is one of the important needs that must be owned by every **student person**. With knowledge, a person can increase his degree and also have the opportunity to change his life for the better. Knowledge is generally something we know about an object. Science is the knowledge that is developed based on scientific methods on natural phenomena and phenomena in a systematic manner, including scientific attitudes, scientific processes, products, and attitudes including curiosity about objects, natural phenomena, and living or non-living things. The distinctive feature of the IPA program is that there are chemistry, physics, and biology subjects.

Chemistry is known as a branch of science that students study at school. Chemistry is a branch of natural science that studies the structure, composition, and changes in matter and the accompanying energy. This Chemistry lesson is included in a branch of natural science that has a special field of study and is different from other sciences. In chemistry, we also find scientific studies that study the reactions and changes that occur between elements or compounds as well as the combinations and comparisons of their molecules to produce new compounds with new forms.

Physics is a field of Natural Sciences that studies natural phenomena systematically to master knowledge in the form of facts, concepts, principles, and the discovery process about the interaction of symptoms with each other, so that physics is not only a product of knowledge but also as a process of obtaining knowledge. that knowledge. As a science that studies natural phenomena, physics also provides good lessons for humans to live in harmony based on natural laws. Thus, physics needs to be taught for a more specific purpose, namely to provide students with the knowledge, understanding, and number of abilities required to enter higher education levels.

Biology is a branch of science that studies living things such as humans, animals, plants, and microbes. Several branches of biology include Zoology (the science of animals); Botany (the science of plants); Entomology (the science of insects); Microbiology (the study of living things that are so small you have to use a microscope to see them). Biological

knowledge can be applied in various fields, for example in the fields of medicine, agriculture, animal husbandry, fisheries, forestry, environment, and technology which is commonly called biotechnology. developing science and technology. in biology, we will get to know gene engineering, tissue culture, pest control, conservation, and forests. The branch of biology is very broad, thus, biology is responsible for describing and explaining the behavior and characteristics that distinguish living things, both as individuals and as a whole, as species.

Natural science is the knowledge that deals with the universe and everything in it and the events that occur in it. Thus the notion of natural science is a science that studies natural events and their contents based on scientific processes. So it was concluded that in learning natural knowledge, of course, you have to go through scientific processes such as observing, asking, communicating, concluding, and associating.

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Flour

Nowadays, there are a lot of food additives that are needed in cooking. Various kinds of dishes with each other have their basic ingredients, such as seasoning and spices. Flour is also essential in cooking, such as making bread, noodles, and pasta. Flour is commonly used for research, household, and commercial production. Based on this, many types of flour differ based on raw materials such as wheat flour, tapioca flour, and sago flour.

Wheat flour is familiar in everyday life. Powder or flour derived from wheat grains that are processed from milling results in several processing stages. The preparation stage includes the cleaning, humidification, and conditioning process, and the grinding stage which includes the breaking, reduction, sizing, and tailing processes. The purpose of this milling stage is to obtain high extraction yields with good flour quality. From this process, wheat flour is divided into three types and has different characteristics, namely high, medium, and low protein flour. High protein flour has a protein content of 11%-13% and a high gluten content. Both of these high contents make the dough supple and elastic. High-protein flour is suitable for making bread and noodles. Medium protein flour has a lower protein content of about 8%-10% and is often called all-purpose flour because of its moderate protein content. This flour is widely used in cooking because the texture is not sticky or too dry, like fried foods and pastries. Low protein flour contains about 6%-8% protein and of course, the gluten content is also very little. This flour is suitable for food additives that do not need to have a chewy and elastic texture, such as pastries, biscuits, or chips. And even food becomes more durable in storage. Of the three types of flour, they both produce a slightly yellowish-white color and are also moist. The better the quality of the flour created, the higher the price determined. High protein flour with prices ranging from 11,000-30,000/kg, medium (10,000-13,000/kg), and low (12,000-20,000/kg).

Tapioca flour can be called starch or starch extracted from cassava tubers. Tapioca flour is different from cassava flour, tapioca flour comes from the extraction of cassava tubers while cassava flour is from dried grated cassava. The extraction process is cassava that has been peeled and then washed clean after it is grated, then the grated product is squeezed, so that the starch grains come out and are carried away by water. After being filtered to separate the remnants of the dregs, the water mixed with the cassava starch is then allowed to stand so that the starch settles. The water is then removed and the starch deposits are dried in the sun to dry into flour. The characteristics of this flour produce a chewy texture and as a thickener, such as various traditional foods, crackers, meatballs, soup, or bread. The color of the flour made from this sago stalk is pure white and slightly moist. The chewy texture is due to mostly carbohydrates and also the low levels of protein, saturated fat, and sodium present in starch. Tapioca flour in the market is interpreted for 12,000-25.00/kg.

Sago flour is often also called tapioca flour because it has the same characteristics, even though both are made from different basic ingredients. Sago is flour that comes from the sago tree. To produce sago flour is not easy. The part taken is the core of the stem which is chopped, after that it is mashed and filtered. The filter results are washed and the starch is taken. The characteristics of sago flour have a dry texture and pale white color. This flour belongs to the type of starch flour because it is rich in carbohydrates. Usually processed and made from sago flour, namely the manufacture of porridge, pempek, and sago cakes. Sago flour is sold at prices ranging from 11,000-25,000/kg.

In summary, nature provides us with various foods, for example, grains of wheat, cassava, and sago trees that can be used as basic ingredients for food. Several processing processes produce flour, which can be created in the form of food. The three types of flour above have different characteristics, quality, function, and price. Knowing the characteristics, quality, and function makes us know what flour suits our needs, for example in making cakes, the best flour to use is wheat flour with high protein. Likewise knowing the price, because to predict how much it will cost.

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TYPES OF DRINK MANY HUMANS NEED

All humans must always need to drink every day and every time Beverages are liquids that are intended for human consumption. Besides their basic function of quenching thirst, drinks play an important role in human culture. Common types of drinks include plain water, milk, juices, smoothies and fizzy drinks. Traditional warm drinks include coffee, tea and hot chocolate. Caffeinated beverages containing the stimulant caffeine have a long history. All drinks have their respective benefits and functions.

One of the drinks is water. In general, humans consume clean, clear, and sterile water as the main drink for consumption and is also good for health. Water is also good for the detoxification process or the release of toxins in the body so that water is believed to be an antioxidant. The main function of water is to relieve thirst and prevent dehydration. It is recommended from the doctor to drink more water. Doctors have also measured the amount of water that should be drunk, which is about 15.5 cups (3.7 liters) for men and about 11.5 cups (2.7 liters) for women.

Apart from water, there are other kinds of drinks, namely milk. The benefits of milk come from the complete content contained in it. The benefits of milk include nutrition, vitamins, minerals, protein, minerals, and calcium. The ingredients incorporated in the benefits of milk have a positive impact on body development, such as bone growth and density, energy, and increasing digestion and body metabolism are the benefits of milk every day that you can feel. In general, the water content in milk ranges from 82-90 percent, fat between 2.5-8.0 percent, casein between 2.3-4.0 percent, sugar between 3.5-6.0 percent, albumin between 0.4 – 1.0 percent and ash between 0.5 – 0.9 percent. Milk jam as for drinks that are actually not good for health if consumed continuously, namely carbonated drinks.

Sparkling water or carbonated water is water that is carbonated and made effervescent by adding carbon dioxide gas under pressure. Sparkling water gets its name from the sodium salt it contains said compound 'salty,' adding a distinct quality to a number of alcoholic and

non-alcoholic drinks. Sparkling water is also a raw material for long drinks and cocktails. Soda water can also be drunk directly. The benefits of drinking soda water can help clear the throat and stimulate the body's ability to swallow, so that it can help people who have difficulty swallowing to be able to eat and drink more smoothly. But drinking soda can also be harmful to our bodies which can contain artificial chemicals that can damage the brain, and cause gradual memory loss, and impaired liver function. Increase the risk of diabetes.

Therefore we must be smart in choosing which drinks are good for our bodies and which are not good for our own bodies. It is better for us to consume water and milk. For soft drinks, it is advisable not to consume them too often because they are not good for health.

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Genre of Film

Film is a live image which is often called a movie. Films are divided into 2, namely national films and foreign films. National films are films made by domestic people. While foreign film, is films produced by other countries. Each film has its own genre. Genre is the form of categories or classifications of several films that have the impression of plot, setting, theme, atmosphere, and others. Films are divided into 17 genres, namely drama, black comedy, slapsticks, romantic comedy, horror comedy, supernatural horror, psychological horror, adventure, action, martial art, disaster, spy film, superhero, action comedy, animation, romantic, fantasy, friendship , documentaries, family, science fiction, thrillers, mysteries, biographies, musicals, and noir. Indonesia has produced various films with various genres, and national films are preferred by teenagers than foreign films. Of the 17 genres in Indonesia, there are 4 genres in national films that are favorites, namely comedy, horror, and romance.

Comedy genre is ranked first as the most favorite genre. Around 70.6% of Indonesian teenagers make the comedy film genre their favorite genre. Comedy is a film genre that has the goal of making the audience laugh. Comedy films in the form of light drama films that exaggerate actions, situations, language, and even characters. Comedies usually have happy endings. Comedy films are divided into 2, namely sitcoms where comedy elements are integrated into the story, and comedies that rely on comedian figures. Most films in Indonesia always have comedic elements, with the aim of entertaining and breaking the ice. So that the film becomes more interesting and not boring. Indonesia has produced many comedy films, including My Stupid Boss 1, My Stupid Boss 2, Cek Toko Sebelah, Orang Kaya Baru, Warkop DKI Reborn: Jangkrik Boss, Susah Sinyal, Imperfect, Toko Barang Mantan, Comic 8: Casino Kings, and Yowis Ben.

In Indonesia, domestic horror films occupy the most favorite genre with a percentage of 66.2%. Horror is a genre of film that provokes fear, surprise, tension, and disgust in the audience. Horror movie plots are generally simple, namely trying to fight evil forces

associated with the supernatural or the dark side of humans. Their storylines often involve death, the supernatural, terror, and mental illness. Usually the actors or characters are human figures, supernatural beings, monsters, to alien creatures (aliens). In Indonesia itself has scored horror films that are so scary that they boom abroad and cannot be forgotten. Horror films in Indonesia are more about mystical things. Top 10 Indonesia's best horror films, there are *leak*, *Malam Jumat Kliwon*, *Bangsai 13*, *Pocong 2*, *kuntilanak*, *Keramat*, *Rumah Dara*, *The Doll*, *Danur*, and *Mata Batin*.

Romantic films came in at 3rd place with 45.6% of the vote. Romantic films are films that tell the story of looking for love or even the story of strengthening love. The main plot in the film is falling in love, and experiencing problems that interfere with love relationships. Problems that usually occur such as infidelity, heart struggles, jealousy, other misunderstandings, to blessing. Usually the romantic genre is found in other genres, such as fantasy, horror (ghotic), drama, to action. Where the characters experience the turmoil of love for other characters. Sweet love story is the dream of teenagers, especially women. This genre is a favorite because it presents a warm film, unpredictable plot and ending, and complex problems. Indonesia itself has produced many romantic films adapted from famous novels. Here are the top 10 Indonesian romantic films, namely *Mengejar Surga*, *Dear, Nathan: Thank You Salma*, *Tersanjung The Movie*, *Layla Majnun*, *Mariposa*, *Dilan 1990*, *Galih & Ratna*, *Tenggelamnya Kapal Van der Wijck*, *Habibie & Ainun*, and *Ayat-ayat Cinta*.

Genre doesn't really affect whether a movie is good or not. genre is just a grouping of movies. There are unique film genres such as gothic, musical, and noir. This genre is arguably rare. Not all genres can be enjoyed by various ages, such as disaster, psychological horror, thriller, and slapsticks. It would be better to sort the films before they were watched by small children. Choose the film according to your mood.

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Companies Based on Their Activities

The economic sector is an important part of the country's development process. How a developing country can be seen from its economic growth. If economic growth is stable and tends to increase, it can be concluded that the country's development is going well. Conversely, if economic growth is assessed to be declining, it can be concluded that the country's development is not good. Economic growth requires economic actors to increase the economic operations of each country. Examples of economic actors include households, companies, governments, and communities. The four economic actors play the roles of producers, consumers and distributors. The company is one of the economic actors that plays an important role in every country as a consumer, producer, or distributor. Companies are divided into 3 types, there are service companies, trading companies, and manufacturing companies.

The largest companies in the economy are service companies. Service companies are companies that are growing and easy to find from small to large scale. Service companies are companies engaged in the service sector. Service companies earn revenue from the services they provide. The income earned varies depending on the service needs desired by consumers. In selling they do not have a physical inventory of goods because the main product offered is a service, so the product cannot be seen but the benefits can be felt. Service companies have simpler financial reports than other companies. Usually there are fewer accounts available. Accounts in service companies include cash, receivables, payables, equipment, capital, costs, and others. Service companies can be seen in the surrounding environment such as salons, photocopy, travel, PT Telekomunikasi Indonesia Tbk, PT Indosat Tbk, Garuda Indonesia Tbk and others.

The second largest companies operating in the economy are trading companies. A trading company is a company whose main activities are buying, storing and reselling merchandise without changing its nature and form. Trading companies earn income from the

resale of goods that have been purchased at different prices. The difference between the selling price and the buying price will result in a profit. In selling, they have a physical inventory of goods, so they need a method of recording merchandise. Trading companies have different financial statements than service companies. There are more accounts available, especially for recording merchandise. Accounts in a trading company such as cash, receivables, payables, equipment, capital, purchases, sales, merchandise inventory, expenses and others. Examples of trading companies **there** are grocery stores, PT Gramedia Asri Media, PT Hypermart, Alfamart, Indomaret, Alfamidi and others.

The third largest company is a manufacturing company. Manufacturing company is a company whose main activity is producing goods from raw materials to finished or semi-finished goods using equipment, tools, and machines on a large scale. After the raw materials are processed and ready for sale, manufacturing companies will distribute them to consumers. Manufacturing companies earn revenue from the sale of finished or semi-finished goods. Manufacturing companies have more complete financial statements than service and trading companies. In recording the financial statements they calculate the cost of production. They also record production costs which consist of raw materials, labor, and overhead costs. Accounts in manufacturing companies include assets, accounts receivable, accounts payable for raw materials inventories, work-in-process inventories, finished goods inventories, supplies, expenses, and others. Examples of manufacturing companies include Astra Otopart Tbk, Holcim Indonesia Tbk, Indocement Tunggul Prakarsa Tbk, Arwana Citra Mulia Tbk, Asahimas Flat Glass Tbk, Barito Pacific Tbk, Tjiwi Kimia Paper Factory Tbk, and others.

The economic sector is the backbone of a country's development. Companies and the economy cannot be separated from each other. The economy exists to shadow the development of the company. Companies exist to improve the quality of the economy and create a good image of the country. There are many types of companies in every country. Classification of companies can be seen based on their activities. Based on their activities, companies are divided into three types, namely service companies, trading companies, and manufacturing companies. These three types have different activities, characteristics, and forms of business. All types of companies can take the form of individuals with legal entities or not.

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Education Level For Children/Students In Indonesia

Nowadays education is the main key to success. Successful people are people who have sufficient and good knowledge. Knowledge can be obtained through experience around or through the world of education. Education is obtained when we enter the world of school. In the world of schooling, it is classified into several levels of education, starting from early school to high school. However, at each level, there are several patterns of education, such as schools/madrasahs, Islamic boarding schools, natural schools, and home schools. In Indonesia, there are 4 levels of formal education, namely early school, elementary school, middle school, and high school.

The first is preschool. Preschool is currently very important for children at an early age who need guidance to learn apart from studying at home. Because in this preschool, basic knowledge such as songs, letters, and numbers are taught. Early childhood schools are divided into 2, namely PAUD and TK. The difference between the two lies in the age of the students and their daily learning. The PAUD level is usually for children aged 3-5 years, most of these ages are enjoying their playing time. So it can be said that early childhood schools learn while playing. Therefore, teachers teach basic knowledge while singing, or playing educational games. At this school only taught to sing children's songs, recognize numbers, letters and functions of body parts such as eyes to see, mouth to eat and talk, ears to hear, nose to smell and hands to pick up things and feet to walk. And for the kindergarten level, it is usually at the age of 5-6.5 years. Before children go to elementary school, they are equipped with more complex basic knowledge. After PAUD is taught about numbers and letters, then at this kindergarten level children are taught to write simple words usually starting with their names then objects around, counting numbers starting with plus and minus first, learning the names of fruits and vegetables, and also being taught to socialize. with concern for the environment. Such as greeting when entering the house, shaking hands when

saying goodbye to parents, speaking politely to anyone, sharing food with friends, not being naughty / playing with friends and also being able to maintain cleanliness by throwing garbage in its place. By being taught simple things, children will be more educated because they begin to know what is good/bad, what to do and what to not do. And later when they are in elementary school they already have a good learning experience, not only in terms of academics but in terms of attitude will also be good.

And then on to elementary school. In this elementary school it is usually in the age range of 7 years for the initial age of entering elementary school. For elementary school education, children must take ± 6 years of education before continuing to secondary school, namely from grade 1 – grade 6. In this elementary school students have studied many subjects that have been listed in the learning curriculum. In the curriculum there are many subjects, namely mathematics, Indonesian language, science, social studies, cultural arts and skills, religious education and citizenship education. In this elementary school learning many things that are more complex as well as in terms of developing potential interests and talents in students. At this elementary school, it will be known in what areas the child begins to have an interest for his future. Many of them have thought about their future goals, such as becoming teachers, doctors, pilots, soldiers, and police. So that with the talent they have, they will be more eager to study hard to achieve their goals. From grades 1, 2, 3, 4, and 5 with a low level of learning difficulty then increasing a little difficulty because they are also familiar with tests and exams every semester to test how well they understand the material taught by the teacher and grade 6 have a lot of difficulties because students have to carry out / pass a graduation test before entering high school.

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Islamic Legal Sources

Humans are creatures created by Allah SWT with various advantages and disadvantages. Humans are special creatures, creatures that are different from other creatures because we are blessed with something called reason. Human life is very varied because of reason. Because with reason, humans can think about developing and developing something and doing things according to what their minds think. But the reason that humans get is not only a blessing given to us by God, but reason is also a trial for us. Allah SWT created man and gave him a mind that Allah knows, with reason humans can do as they please on this earth. Therefore, Allah SWT makes rules or laws for all of us, human beings. not only provide laws and regulations, Allah SWT also provides an example or guidance for all mankind through the Apostles and Prophets, such as the king of the prophet Muhammad SAW. Then where can we take the source of the law or look for it when we want to know the laws/regulations of something? In this paper, I will discuss 4 sources of law in Islam, and I will explain a little.

1. Al-Qur'an

The main source of Islamic law is undoubtedly the Qur'an. Because the Qur'an is the source of all Islamic teachings and laws. The Qur'an itself confirms it, so it is not repeated without reason. The scholars use the Koran not only as a source of Islamic law. But also as a formula with the main building blocks. That is, the Qur'an in oral form with a deep and meaningful meaning. Written recitation is not just an ordinary recitation, but a special recitation given to the Prophet Muhammad by Allah through Jibril. Then Prophet Muhammad SAW read it. Regarding the elements of the Qur'an, scholars use Arabic in relation to transmission. As for the other basic elements that have special properties, the Qur'an and was revealed by Jibril directly to the Prophet Muhammad SAW only and not to other Prophets. The early prophets also received revelations, but these revelations were not written in the books of the Qur'an, but in their books of successes. As additional information, the Al-Qur'an was revealed to Rasulullah SAW in several conditions and in various ways. Some were sent down by

angels who entered revelations into the heart of Rasulullah, while others appeared as humans while reading revelations and messages from Allah SWT. Not only that, of course new facts such as ringing a bell will also be revealed. In this chapter, we actually go back to studying Islam when we are still in junior high school, maybe high school. The verses of the Qur'an are divided into Makiyah verses and Madaniyah verses according to their types and parts. The early prophets also received revelations, but these revelations were not written in the books of the Qur'an, but in their books of successes.

2. Hadith

As we have known so far, it is the Sunnah of the Prophet. The content of the hadith itself is none other than the words and sayings of the Prophet SAW which are still relevant to human life. Everything that Prophet Muhammad said became Sunnah. Well, when we touch on the Sunnah, the Sunnah also has a wide range. There are sunna philya, takriya and sunna aurya. Of the three sunnah, the principles are still based on the Qur'an. The nature of the hadith itself is still very broad to be studied. So we also need sources of hadith, first look at the sanad (balance between the narrators), then in terms of matan (content), then look at Rowi (history). That is why there are so-called weak hadiths and strong hadiths. There are three groups of hadith related to the Narrator. First, the Sunnah Mutawir is the Sunnah that many narrators talk about. The second is the popular Sunnah, or the so-called Sunnah, narrated by two or more persons who did not reach the stage of Mutawir, and the last is the Sunday Sunnah or Sunnah, narrated by only one narrator. If we dig deeper into the hadith, we will also find that there is a division for each division of hadith based on its narration. Then, from a narrative point of view, the traditions are also divided into four groups. There are also so-called mutawir hadith, mazur hadith, ahad hadith and mursal hadith.

3. Ijma'

The source of Al-Ijtima's law was actually the fruit of the agreement of the experts on istihan (mujtahid) after the time of the Prophet. Of course the context of ijtima' is still revolves around laws and provisions related to sharia. Al-ijtima' is present as an

endeavor for isthad for Muslims after qias. In terms of definition, ijtima' itself can be interpreted as a regulator of something that is not regular. It can also be interpreted as an agreement of opinion from the mujtahids and as the agreement of the fiqh scholars on certain legal issues that have been mutually agreed upon. The source of ijtima' law is divided into two, namely ijtima shoreh or ijtima which conveys messages or rules clearly and unequivocally. There is also ijtima' sukuti (silent or not clear) the opposite of shoreh. So, from a legal perspective,

4. Qiyas

The last agreed source of Islamic law is qias. Qias is used and applied when there is no law in the Qur'an, hadith and ijma'. Then use qiyas by taking an example between two or more events. From this equation, an analogical deduction or analogical deduction is made. This qias is used to draw a new line of law from the old line of law. For example, qias related to determining the halal and haram of a drink. In the past, there might not have been narcotics or anything that currently contains a lot of intoxicating drinks. If in the past the intoxicating drink was khamr, now khamr may have transformed its form, taste, impact and name. If we continue to use khamr as a forbidden drink, then drinks and narcotic drugs cannot be treated as illicit goods. That's why this qias law is here, to refresh and stay in one corridor that does not deviate from the 3 sources of Islamic law that have been mentioned above.

That is a brief explanation of the 4 sources of Islamic law that I can convey in this paper. In the end, all laws in Islam are determined or determined to maintain human behavior or actions while they are in the world.

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Compulsory Education In Indonesia

Do you know how important education is ? Education is the learning of knowledge, skills and habits of a group of people passed down from one generation to the next through teaching, training or research. Education is divided into 3 namely formal, nonformal and informal. Formal education is education that is taken through a path that has been determined by the education unit. In the formal education process there are several levels of education that must be taken. Education level is an educational stage that is determined based on the level of student. In indonesia, formal education has regulations that apply such as compulsory school regulations. Based on the applicable regulations, students are required to study for 12 years. From 12 years of study students have 3 compulsory levels which are categorized that is Elementary School, Junior High School and Senior High School.

Elementary school level is the first compulsory level that is the beginning of a student to learn. This school level lasts for 6 years starting with grade 1 to grade 6. Usually, Elementary school students are between the ages of 6-12 years. At this level, students are usually taught basic things such as basic intelligence, knowledge, personality, noble character and skills to follow further education. And at this level has a mandatory uniform that is red and white. This uniform has a meaning that symbolizes energy and courage for students to learn. So students are required to be brave and enthusiastic to learn the things that are taught. And at the end of this level there will be an exam to continue to the next level that is Junior High School.

Junior High School is the second level in our country education level. This level lasts for 3 years by continuing the previous class of 7 grade to 9 grade. Usually , Junior High School students are between the ages of 13-15 years. At this level students will begin to be taught to improve their competence by being given materials, training modules and exams in each subject. In contrast to the previous level at this level there are several lessons that are discussed in more depth. And at this level it has its own mandatory uniform that is white and

blue. This uniform symbolizes self- confidence. So , Junior High School students are expected to be able to adapt their environment, both communicating with their friends and teachers. At the end of this level there will be a test to continue to the next level.

Senior High School is the last level in the 12 year compulsory education rule. This level lasts for 3 years starting from grade 10 to grade 12. High school students are usually 16-18 years old. At this level student are taught things that are more in-depth in accordance with the majors taken according to the interests and talents of students. This level has a mandatory uniform that is white and gray. This color means that high school students are calm and mature. High school students are expected to be able to act calmly and show maturity when making decisions. At this last level is also an exam to determine graduation and students can choose to continue to the next level or choose to work.

So this is the category of compulsory education that applies in Indonesia. The first is Elementary School has a term of 6 years. Has a goal to teach basic values to students. The next is Junior High School has a term of 3 years. Has a goal to further enhance understanding to basic values and learn them more deeply. The last level is Senior High School has same duration as Junior High School, which is 3 years. Has a goal to improve competence according to the interests and talents of students.

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Class : 3H/PBI

Types Of Leaf Shape In Plants

Plants have many important roles in human life, so look at their benefits. Plants such as trees can be used for wood and vegetables and fruits that can be consumed. In addition, plants also play an important role in the process of producing oxygen from carbon dioxide that occurs in the leaves. Scientists estimate that one leaf of a plant can produce about five milliliters of oxygen per hour through photosynthesis. Leaves are organs that are most often found than reproductive organs such as flowers, fruits and seeds. That is why, there are various forms of leaves that are distinguished from the bones of the leaves. Leaf bone itself is a support for leaf structure to be strong and as a carrier of substances needed by plants in their development. Leaf bone structure is the basis for classifying leaf shapes. There are four kinds of leaf shapes that are distinguished according to the leaf bone, namely pinnate, fingered, curved and parallel leaves.

The first has pinnate leaves or the Latin penninervis, as the name implies, this main bone shape resembles the arrangement of fish bones. Neat arrangement of leaves from petiole to tip. This type of leaf has a big bone that extends from the base and is branched. The shape of the pinnate leaf bone has other branch bones with a softer and smaller size than the main bone. Generally, the leaves of this type are a little thick and stiff. Pinnate leaf bones are usually found in plants with dicot seeds (Dicotyledoneae). Examples of plants with pinnate leaves are mango, guava, and rambutan.

The second is the type of leaf that has the scientific name palminervis which is shaped like a finger. Leaves of this type are usually found on dicotyledonous seed plants. The leaves of this finger have an arrangement of leaf bones that are as large as human fingers. This leaf bone is composed of the tip which is then divided into several bones on the leaf that are similar to fingers. Usually the leaf bones have an even number of leaves with the largest and elongated middle part. While the leaves to the side will look shorter. Plants that have this

type of leaf bone are mostly grown by stem cuttings method. Plants with finger bones include cassava leaves, papaya leaves, castor leaves, cucumber leaves, and pumpkin leaves.

The third has curved leaf bones or *cervinervis* whose leaf bones are curved in a pattern. As the name implies, this **one** leaf bone has an arrangement of curved lines. This leaf has the characteristics of curved leaf bones following the main leaf bone in the middle. The shape of this leaf is conical at the end with a wide leaf edge in the middle. The scattered leaf bones will return to one direction at the leaf tip. Therefore, the ends of the leaf bones will look curved and fused. Generally, this type of curved leaf bone is found in monocot plants. Examples of plants that have curved leaf bones are betel plants, lotus, elephant ears, and waru.

And the last is parallel leaves or *rectinervis* which have a shape like parallel straight lines. This type of leaf has one large bone that extends in the middle and the other bones will appear smaller. Generally, the parallel leaf bones appear to have a direction parallel to the main bone. Leaves of this type are usually found in fibrous rooted plants. Types of leaves derived from seed plants or monocots. Can be classified in the type of grass tribe or Poaceae which is characterized by flowering plants with segmented stems. Plants with parallel leaf bones include corn leaves, sugar cane leaves, rice leaves, and all types of grass.

The description above has explained about the types of leaf shapes based on the leaf bones. The leaves are attached to the knuckles of the stem of each plant. Number of leaves on each book can consist of one leaf (spread), two leaves (adjacent) or rocky (3 or more leaves). Each type of leaf has different characteristics. In this grouping of leaf types, it can also be influenced by the type of plant seed chips and how to plant them. We can find these different types of leaves in the environment around us.

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Class : PBI 3i

Cause of Disease

The transition season makes **it** humans have to be extra hard in maintaining a healthy body. Do not let adaptation to the environment make your body tired so you are susceptible to disease. The disease is a certain abnormal condition that negatively affects the structure or function of part or all of the body of a living being. The disease is also known as a medical condition associated with certain chronic symptoms and signs. In a broad sense, disease can include injury, disability, disorder, syndrome, or infection. According to WHO, most of the diseases experienced by humans are caused by infection. Based on the source of infection, the disease is classified into three types.

The first disease is often encountered or caused by bacterial infection. Basically, bacteria are divided into two types, namely good bacteria, and bad bacteria. The presence of good bacteria in the body is known to be beneficial for health. Conversely, the presence of bad bacteria can cause various diseases. The threat of disease caused by bacteria is very troubling. This is because bacterial contamination can occur anytime and anywhere. Disease-causing bacteria can nest in the human body in many ways, some through food and drink, contact with body fluids of people infected with bacteria, inhaling air near infected people, to contact. indirectly. Attacking bad bacteria in large quantities can risk weakening the human immune system. Some bad bacteria attacks only cause diseases that are not too dangerous so they can be easily prevented. However, most of the bad bacteria attacks cause serious illness that requires treatment from a doctor. Types of bacterial infections that are classified as dangerous are diarrhea originating from Salmonella and E. coli bacteria, typhoid caused by Salmonella typhi bacterial infection, tetanus which is Clostridium tetani bacterial infection, and many other diseases caused by bacterial infections. Besides being able to cause various types of diseases, bacterial infections can also cause various complications such as Sepsis, Meningitis, and Acute Pyelonephritis.

The second disease that is often contracted by humans is caused by a viral infection. Viruses are pathogens that can infect humans. Viruses are responsible for many diseases that

humans can suffer from. Diseases caused by viruses certainly have different characteristics from types of bacterial infections or other causes. In humans, viruses can even infect various parts of the body, often causing various diseases. It could be said that the virus attacks the immune system to infect. Common symptoms of diseases caused by viral infections such as flu, fever, cough, and shortness of breath. An interesting fact about diseases caused by viruses is that they cannot be cured. However, this can be prevented or reduced by vaccination. In addition to vaccines, diseases caused by viral infections can also be prevented or prevented from spreading by taking preventive drugs. The most dangerous diseases caused by viruses include HIV which is caused by the AIDS virus, Influenza, and the most viral one at the moment, namely covid 19 which is caused by infection (with) the coronavirus.

The latter is a disease caused by a fungal infection. This disease can be transmitted between humans. Fungi are organisms that can grow naturally. Several species of fungi can live on the skin and internal organs of the human body. Although generally harmless, some types of fungi can cause serious health problems. Fungal infections in humans most often occur on the skin. However, yeast infections can also affect other parts of the body, such as the lungs, bloodstream, and the protective coverings of the brain and spinal cord (meninges). Fungal infections can be experienced by anyone, especially people who don't care about personal hygiene. In addition, people with weak immune systems are also at risk of developing fungal infections, such as people with HIV/AIDS, chemotherapy patients, and patients who have recently undergone organ transplants. Patients with COVID-19 are also at risk for infection with black, white, and yellow fungal disease. Fungal infections are divided into several types, based on the type of fungus. Each type of infection can be characterized by different symptoms. The following are some diseases caused by fungal **infections** Candidiasis, ringworm, fungal nail infections, aspergillosis, and many others.

All humans can easily get sick, be it diseases caused by bacterial, viral, or fungal infections. This happens when people do not care about health and endurance. A weak immune system becomes the right place for bacteria, viruses, and fungi to infect the human body, causing disease. The disease also varies according to the cause of the infection. The treatment of each disease is different. Diseases caused by viruses are difficult to cure but can be prevented by vaccination and certain drugs that are specifically for the prevention of viral

infections. While diseases caused by bacteria and fungi can be cured with ointments or drugs. Do not underestimate every disease because it is not uncommon for all causes of disease to be interconnected with each other. Always maintaining cleanliness and health is mandatory for every human being. Do not be ashamed to consult a doctor regularly if the disease is severe.

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Classification Essay

Face Mask

The Face Masks? Of course, nearly all women are familiar with face masks. Men might not have much knowledge of face masks. Wearing a face mask can be difficult for some people. Face masks have a variety of uses and ingredients. Our skin is healthier and better groomed when we utilize complicated face masks. Face masks come in many varieties. The easiest to use face masks are grouped.

The easiest to use face mask is the sheet mask. A face mask that is applied directly on the face is called a sheet mask. The majority of the time, sheets composed of natural fibers are already used as masks. Since essence and antioxidants are already included in one sachet of sheet mask, the skin seems more moisturized. Teenagers can afford it because of the low price, and it contains very good ingredients for the skin.

The second easiest face mask is the clay and jelly mask. A mask with a gel or liquid texture is referred to as a clay or jelly mask. Applying a jelly mask to the face involves using clay or jelly masks. Wait a time after using it so that it can absorb and dry. Then, give the area a water rinse. Of course, applying a clay or jelly mask requires some skill. Clay or jelly masks are reasonably priced in the packaging of one bottle and can be used more than ten times.

The least easy to use face mask is a powder mask. This textured powder mask is the most difficult face mask to use. Before using a powder mask, we must prepare a brush and mask container. After that, pour the powder mask into the container and add enough water. Then, the powder mask is ready to be used and applied to the face. Wait a few moments until absorbed and dry. After that rinse with water. The use of powder masks is very complex with several stages. **With** so many women avoiding the use of powder masks. But the price of the powder mask is much cheaper than the two masks above.

The use of this face mask is repeated. Many opt for the quick solution, but many others select a trickier approach as well. Additionally, the variety of face masks is priced

appropriately. Face mask ingredients also change based on skin problems. So, if we apply a face mask, it must be tailored to the skin's requirements.

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Classification essay

Uniqueness and Diversity of Dress Styles

Clothes are one of the most important things in our life. because clothes can cover our entire body. now there are many styles of dress so that the dress looks neat, beautiful, and pleasant to look at. nowadays it's not only women who are good at mixing and matching clothing styles, but many men who are already good at mixing and matching their own clothing styles. in today's era, there are many styles that revive the old style but are mixed and matched with the current style. with this the clothes look very beautiful and beautiful if anyone sees them. Everyone can mix and match this style of dress, even those who wear hijab can too. This is a classification of clothing styles based on their uniqueness and variety.

The first is a vintage style vintage is style of dress in the '20s to '60s era. In the world of fashion, this vintage style tends to be feminine because it uses green and faded colors that are simple and practical in its model. This vintage theme can make the wearer look elegant with the unique and classic nature of vintage clothing and has its own style. This vintage theme can be used anywhere and anytime. in the 1960s if someone wore thick stripes then it was marked as a lower- class citizen, many people said that it was an inheritance from his family. Vintage clothing has several motifs such as floral motifs that are used to cover the lack of body size so that it looks slim. Polkadot motifs used to be only black and white, but the polka-dot motifs became more colorful overtime. Stripes are usually applied vertically or horizontally. if we have high self-confidence then it will be very good if this vintage theme is used every day.

The second is the preppy style. Preppy style was originally inspired by the way American students dressed in the 60s to 80s. The style of middle and upper students is a concern in the fashion world. The Preppy style is synonymous with formal clothing or uniforms that are comfortable for everyday use. Preppy fashion is symbolized as smart, prestigious, and shows elegance. The Preppy style is likened to an elite youth who can buy

expensive clothes from the best materials. although the preppy style is an old-school fashion trend, in the current era it is widely used and turned on to make it even more beautiful. This can be used for daily use or can be used as clothes to go to campus.

The third is the bohemian style the bohemian style is synonymous with the lifestyle of the nomad and the hippie. Bohemian style first appeared in America in the 1960s. This bohemian style of dress tends to refer to freedom of dress or a way of expressing oneself through clothing. Bohemian clothing or often called boho style has its own characteristics such as loose clothing, **always using** natural materials such as wool, silk and plant fibers such as bamboo and cotton, besides that boho clothing does not use synthetic dyes. Boho clothes are also synonymous with vests and tassels to add an eccentric impression when worn. Boho clothing is also synonymous with the addition of accessories such as belts, necklaces, and bracelets. Boho clothing is synonymous with freedom of expression, so the bohemian daro shirt motif itself also varies, such as tie die motifs, playful florals, and paisley motifs. for those of you who have a high sense of trust and want to express your style, this trend style can be tried for traveling for a walk or for every day.

The fourth is a casual style This casual dress appeared in the 80s where casual clothing showed personal success and wealth. Generally, this casual clothing is used for relaxing or recreation. This casual dress emphasizes more on comfort and personal expression or presentation of one's uniformity of dress. This casual way of dressing is also of many types, for example, the style of casual bussiness is identical to closed casual clothes, for example, wearing khakis, shirts or blouses, using dresses or knee-length skirts. not only women are smart in casual style but men can also mix and match their own casual style, even if a man wears this casual style, his aura will radiate as if he has his own characteristics such as cooler, more stylish and more beautiful to look at.

The last is street style lately many teenagers use street style as their dress style, in the world of fashion street style is not only called a style of dress but has become a culture. This street style grew from street fashion styles and not from fashion shows or designers. Unlike other fashion styles, this street fashion has a unique and different character. **the** people who create this street style are young **people** themselves who create creations according to their

tastes. Hip hop style street style was also started by urban African-Americans and then continued into the music industry, and is now a fashion style that is often used by many famous athletes. Even though it's called street style, the model is not inferior to high fashion clothes from well-known designers. The development of this street style is not only in America but has developed in Asian countries such as Japan, Korea, Hong Kong, even in Indonesia, they have also followed this style of dress. This street style dress style in each country is definitely different and has its own uniqueness. This street style can be concluded as a style that is made based on trends that have developed long ago and are combined and matched today.

It can be concluded from the article above that in this world there are various types of clothing styles in every era and all of them have their own characteristics and uniqueness, such as vintage with old-school modifications that can make the wearer look elegant. preppy style with an expensive feel style that is used by middle and upper class teenagers. casual style that emphasizes the comfort of the user. bohemian style with a style of dress that is free of expression and synonymous with playful tie die and floral motifs, and the last one is street style with the free style of teenagers mixing and matching clothes according to their individual tastes. This trend has even reached several countries to make it their fashion style.

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Classification of leaf bone shape based on their arrangement

Every plant has a leaf because the leaf is one of the most important organs for the plant. Classified as obligate autotrophs, plants must be able to produce their food to meet their energy needs. Leaves have a function to absorb the energy of the sun which is needed for the photosynthesis process. Leaves with a complete structure will have a leaf midrib, petiole (petiole), and leaf blade (lamina). The leaf midrib is generally only owned by single-cut plants (monocotyledonous). petioles serve as a support for the leaf blade to position the leaf to get perfect light from the sun. In the leaf blade (lamina) photosynthesis, respiration, and so on occur and in the leaf blade, there is a leaf bone. Leaf bones have many shapes. What do you think about leaf bone shape? Leaf bone shape is the part of the plant that provides strength, provides a pathway for the transport of nutrients or assimilation for the plant, and gives a shape to the leaf. Based on their arrangement there are 4 kinds of leaf bone shapes, those are penninervis, palmiervis, cervinervis, and rectinervis.

The first shape is pinnate leaf bone a.k.a penninervis. Like the name of this leaf, This one-leaf bone has a shape like the arrangement of fish bones. Leaf bones of this type are often seen in dicotyledonous seed plants (Dicotyledoneae). This type of leaf bone is very easy to find around us because this type of leaf bone is very much. there are several characteristics of pinnate leaf bones, namely the arrangement of the bones of the leaves is similar to fish fins, has one mother bone that extends from the base to the tip of the leaf, the tip of the mother bone contained in this leaf comes out into the bones of smaller branches from the mother bone, the length of this leaf bone then extends to the petiole. Examples of plants that have pinnate leaves are mango leaves, jackfruit leaves, guava leaves, longan leaves, and others.

The second type of leaf bone shape is palminervis. I'm sure the first image that comes to our mind is of course, this **one** leaf bone is shaped like a human finger. Yes, the shape of the leaf bone is indeed very similar to the human fingers that are spread out. Usually, the leaf

bones have odd numbers with the largest and elongated middle part. While the side will look shorter. A special characteristic of palminervis is the arrangement of bones in the leaves is as large as human fingers and the leaf bones are composed of the tip which is then divided into several bones on the leaf that is similar to a finger. We will find this type of plant with split or deep seeds called dicotyledonous. such as papaya leaves, cassava leaves, cotton leaves, watermelon leaves, and others.

The next type of leaf bone shape is cervinervis. I think this type is unique, because of the big bone in the middle of the leaf, the other bones extend along the leaf margins, so its look unique to me. The large bony grooves on the leaf will then separate, but return to one direction at the tip of the leaf. Generally, curved leaf bones are found in single-seeded plant species or in terms called monocotyledonous. Even though the petiole is in the middle and other bones extend along the edge of the leaf it doesn't mean the leaf is mushy, maybe that's what makes this leaf bone unique. there are some curved plants that we can find such as betel leaves, hibiscus leaves, pepper leaves, water hyacinth leaves, and also kencur leaves.

The last type of leaf bone is parallel leaf bone. This type of leaf bone has another name rectinervis in scientific language. Rectinervis are usually single-seeded plants or monocotyledonous. Leaves that have parallel leaf bones or rectinervis have their characteristics. the leaf bones are parallel straight lines, starting from the base of the leaf to the tip of the leaf, Each end of the leaf bone is fused, and generally, the shape of the leaves is long. We can find this type in Corn leaves, Sugarcane leaves, Rice leaves, Bamboo leaves, Lemongrass leaves, and reed leaves. This type of leaf will look waving when blown by the wind and also seem more flexible.

Every leaf bone shape has its uniqueness. Each type of plant has a different shape and leaf bone because the leaf is one of the biometrics possessed by plants. For example, a cactus, maybe in your mind a cactus does not have leaves, but thorns. we need to know thorns are modified cactus leaves. Different leaf shapes don't mean the plant is flawed, they just adapt. of the four types of leaf bones based on their arrangement, namely penninervis, palminervis, cervinervis, and also rectinervis are in our country, and it is quite easy for us to detect them.

Leaves are **an** important part that plants must have, but in certain seasons some plants are required to shed their leaves. As wise humans, we must also preserve the plant, which can be started by not tearing the leaves.

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Moisturizer for Skin

Everyone in this world would want to have a beautiful face. Besides that, having a healthy and well-groomed face is everyone's dream. Facial care is an important thing to do. Facial care is one way to maintain healthy facial skin. Therefore, it is necessary to use facial treatments every day. In maintaining healthy skin, effective facial care is needed. Moisturizer is a facial treatment that is used to protect and moisturize the skin. All types of moisturizers are useful for moisturizing the skin, but there are several types of moisturizers such as gels, creams and lotions. Different types of moisturizers have different functions depending on different skin conditions. Moisturizers are classified according to their function.

The moisturizer that is suitable **for use** for oily skin is a gel moisturizer. The special formula in the moisturizing gel is made to absorb faster into the skin when applied. When compared to moisturizing cream, moisturizing gel has a light texture so it does not clog pores. Moisturizing gel quickly absorbs into the skin so it does not leave visible marks. In addition, moisturizing gel also does not give a sticky feeling to the skin. Not only that, the moisturizing gel also provides a cooling effect when applied to the face. It is suitable if used in summer when the temperature is high. As used after working out in the sun. Gel moisturizers are usually water based and do not contain oil. Therefore it does not leave an oily effect on the face.

Cream moisturizers contain more oil than gel moisturizers. So it is more suitable for use on normal facial skin and tends to dry skin. Even though it has higher oil content it does not mean the face will look very oily. The oil content in the moisturizing gel has a formula that easily absorbs into the skin. Although it takes a long time compared to gel moisturizers. Moisturizing cream has a thicker and thicker texture. Therefore it is more optimal in moisturizing the skin. This moisturizer is suitable for use in winter. Using a moisturizing cream will make the skin smoother and suppler. Therefore dry skin will become moist after applying moisturizing cream to the face.

The right choice for normal skin and tends to be oily in some parts (combination) is a moisturizing lotion. Moisturizing lotion at first glance looks similar to moisturizing cream. This moisturizer has a slight difference in its composition. Oil content is also found in moisturizing lotions. The difference is that lotion moisturizers contain less oil than cream moisturizers. Even so, this moisturizer is still able to moisturize the skin. This moisturizer is also easily absorbed into the skin. In addition, it also doesn't have a sticky effect on the skin. Not only that, this moisturizer is also does not make the face look very oily.

All types of moisturizers above can be used according to the needs and conditions of the skin. It is important to know the condition of the face first before determining the type of moisturizer to use. Make sure the moisturizer used matches the skin condition. Therefore maximum results will be obtained. So the skin will be protected from irritation. Besides that, consultation with the doctor can also be done in order to determine the type of moisturizer that is suitable. Use facial moisturizer regularly so that facial skin is healthy and well cared for.

Popular Movie Genre

The public enjoys free entertainment like movies, especially among teenagers. We can learn the foreign language and the culture of the country by participating in this activity, which has the added benefit of amusing them and relieving their boredom from daily routines. We can gain wisdom, life lessons, or moral values from the movie that are certainly applicable to real life by watching it. However, there is certainly a detrimental effect as well, one of which is forgetting the time. The advancement of this era forces numerous studios to compete to create a masterpiece. "What is your favorite genre movie?" is an interesting question given the variety of movie genres now in existence. The following movie genres categorized based on the most popular sequence, per a survey of prior research.

The action genre is the most well-liked. Action movies have unique benefits. Have you ever wanted to hit someone when watching this genre? You can feel closer to the action in this genre because it is one of those where our imagination comes to life. One or more of the characters in a movie are usually engaging in a struggle that calls for physical prowess or particular skills. However, watching this genre of movie can raise blood pressure. Movies like Dune, the Batman, Mission Impossible, and the Maze Runner are examples of action movies.

The second genre is romance. It turns out that the romance genre can empathetically inspire us with its plot. We can pull out the emotion and encourage the audience to consider the narrative. Three elements make up romance: sadness, love, and the moment you want to remember. Sadness thus represents the loss of anything or duped by a loved one. The second is love, which represents romance when two people fall in love and the romantic feeling uplifts their spirits. The third is the time when the lover recalls the memories that have an impact on the highly valued romantic sensation. Movies like Five Feet Apart, Friend Zone, Flipped, and La La Land are examples of romance movies.

The last but not **means** least that is comedy genre. It is obvious that comedy can make us laugh. For everyone to reduce stress, laughing is a necessity. Comedy movies are crucial for relieving anxiety during times of stress, like the current crisis. Additionally, comedy

movies are the best for laughter therapy to release anger, which is crucial in the context of contemporary materialism and despair. All ages are appropriate for this genre. A parenting-focused, animated comic comedy is one example among many topic comedy. Mr. Bean's Holiday, Three Idiots, SuckSeed, and ATM Errak Error are examples of comedic movies.

Each genre has its own distinctiveness in terms of story lines and audiences across a range of genres. The decision to watch movies is ours to make based on our preferences for taste and lifestyle. Some people make watching movies a way of life, while others merely laugh it off as something they do not like to do. People need amusement, and one of the possibilities available in this world is watching movies. We need to take breaks from our activities or simply relax so that we have energy to welcome the new day and its activities. Try to watch a movie to get some rest.

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Essay Classification

Learning Science in Middle School

Have you ever imagined human life without education? Maybe human life is like stopping in ancient times that rely on nature to survive. But over time, education seems to be a miracle for human civilization. Scientific discoveries by scientists from all over the world changed the times. Gradually these discoveries were further developed into a science and written down in books so that the next generation would study them in schools, from children to tertiary institutions. All categories of education are applied, including linguistics, philosophy, law, science, and many more. These sciences are learned gradually according to age or class. Basic science is usually applied in early grades such as kindergarten and elementary school. In the next stage, advanced knowledge or standards began to be applied in middle schools and high schools. And more specific science is learned in college. At the advanced or standard science stage in high school, they start studying science. But still in one subject, namely Natural Sciences, or we called Ilmu Pengetahuan Alam (IPA). These subjects consist of three sciences, namely biology, physics, and most importantly chemistry.

The first science is biology. Generally preferred by students because they are concerned with the natural environment, such as studying living organisms from plants, animals, human anatomy, and others. Biology is also not as difficult as other sciences because it doesn't involve a lot of calculations. Biology only involves general reasoning such as memorizing the classification of living things, studying the structure of organisms, taxonomy, reasoning in Latin, and so on. Competency standards in the skills to study this science include hypothesis, observing, and memorizing skills. Students who can memorize will greatly benefit from mastering biology. Often read and memorize terms and words in the scope of biology. Biology is very useful in various fields, such as medicine, agriculture, and others. The learning process is fun, not monotonous. Teachers can use the environment as a learning tool so that the material delivered to students is easy to understand. Such as learning outside the classroom, or direct practice with the material objects discussed.

Are you one of those who hate physics? Maybe students have to rack their brains to study physics because the discussion includes natural phenomena and properties. Difficulties in studying physics will also be seen in students because mathematical calculation material is needed here. In addition, the reasoning of the formulas is also a bit complicated. Physics formulas are mostly filled with letters. Each letter and symbol represent a particular term, element, or thing. If students are diligent in memorizing the formula, it may be a little easier, because they only need to complete the calculation of the formula. The process of learning physics will be fun if you don't always memorize, write and calculate formulas in books and blackboards. Students can learn directly through surrounding phenomena, such as calculating distance, altitude, movement, and others. Or just sit watching the basketball that is being played by friends, then students analyze and count it. Such practice will be easier for students to remember than just staring at the blackboard full of formulas, symbols, and numbers. Physics is easy, right? So you don't have to be afraid of that.

Have you ever observed when you were sick and the doctor gave you medicine to cure you, then thought 'how can that medicine cure your illness?' What are the ingredients in it? Then how do you make it? The answer is chemistry. This branch of science studies molecules, atoms, structures, and more. This science is called the central science, because, chemistry connects biology, physics, nanotechnology, and other sciences. For example, such as testing DNA, first, it will take biochemistry to analyze DNA, while the molecules and the elements contained can be known by chemistry. Similarly, when observing nuclear, you will need physics and chemistry for it. Chemistry learning in middle school is just the basics because considering the universe is too big for us to examine, maybe memorizing formulas and the periodic table is the main point. Not as difficult as biology and physics, chemistry can be started by studying atomic elements, then proceed to the following and subsequent stages. A lab may be needed to study something, and it's a fun practice. Students can try out several elements to research something. But be careful, because many chemical elements are harmful, or you could injure yourself.

The stage of brain development during middle school age is active time and good brain digestion. Therefore, the knowledge discussed is the basics of standards. It might be a little tricky, considering the age at which puberty development occurs. However, learning natural

sciences and mathematics must be applied from an early age. This is beneficial for students to become students who are good at science and mathematics. So that it is hoped that there will be prospective scientists and intelligent generations in the future.

Classification of safe cooking methods

Living things need food to survive. Starting from plants, animals, and humans. Plants also need food in the form of glucose obtained from the results of the photosynthesis process. Animals consume their food directly. Meanwhile, humans consume food in two ways, namely cooked and raw. The culture of eating raw is usually carried out by the Japanese, they eat sashimi, the main ingredient of which is raw fish. The culture of cooking is carried out by Indonesians because most Indonesians cannot eat raw food except vegetables. To cook food safely, we must know how to process food safely. It can be seen from the type of material, and the condition of the material. In addition, how to cook can also affect the nutrition in food. cooking safe food is classified from cooking that is most often used by a housewife, namely; frying, sautéing, boiling and steaming.

First, frying is a cooking method that is often used because it is considered easier. The taste of the frying method makes the food crunchy and savory. Not all food can be fried. There are food ingredients that cannot be fried, such as vegetables. Oil that is heated to high temperatures for a long time can form toxic substances called aldehydes. These substances can pose a risk of cancer and other diseases. Frying food also increases the amount of fat in food. The tools used for frying are frying pan, spatula, oil filter and gas stove. Fried foods such as eggs, fish and chicken. The way to fry food that is safe is not to fry it too long, the fire is not too big and make sure to use clean and new oil.

Both sautéing are cooking methods that require a relatively short amount of time and use a little oil or butter. Stir-frying is also a healthy way to cook food. Sauteing can also increase the absorption of fat-soluble vitamins, compounds and antioxidants. Sauteing is also considered the simplest cooking method and is the mainstay method for housewives. The safe way to sauté is to use new oil or butter. if you want to be healthier use olive oil for the prevention of cholesterol levels in large quantities. Sauteing the ingredients should use a short time, not too long, it may cause the ingredients to burn and reduce the good vitamins in the ingredients. Food ingredients that are stir-fried are usually food ingredients that are easily

cooked or withered. Such as vegetables, and ingredients that are thin or small in size. The tools used for sautéing are also very few, only frying pans, spatulas and gas stoves.

Third, boiling is a healthier cooking method when compared to frying. The disadvantage of this method, if the boiling process is carried out for a long time and the temperature is too hot, it can remove a lot of vitamin C contained in food ingredients. Vitamin C is also easily soluble in water and sensitive to heat. Food ingredients that are often boiled such as vegetables that contain vitamin C such as broccoli, spinach and lettuce. of these vegetables if cooked for a long time and at high temperatures can eliminate 50% of the vitamin C content. The boiling method is more suitable for people with high cholesterol. Also some people who suffer from gallstone disease are advised to reduce oily eating. The tools used in boiling are pan, water filter and gas stoves

finally steaming is a very safe cooking method because it can preserve nutrients including water-soluble vitamins and are sensitive to heat. But many people don't like using this method because it has a bland taste. If the food ingredients are cooked do not have a bad taste. Because the steaming method is difficult to be able to add spices, Maybe you can but the spices added won't be evenly distributed. Because it is difficult to turn over the material during the ongoing steaming with high temperatures. If you want to steam green vegetables as well as when steaming the vegetables are still green and look crunchy when bitten. Also avoid cutting vegetables too early before cooking. May cause, reduced nutritional value of food. Also, exposing food to heat, light and oxygen can damage the vitamin content of vegetables. The steaming method can also be done on meat but it takes a long time. Because meat has a lot of dense fiber, it is difficult to soften it in a short time. The tools used are a set of steamed pans and food tongs..

All of the above cooking methods have their respective advantages. First, the frying method is often used because it has the advantage of adding crunchy and savory flavors to food. The weakness of the frying method is the increase in the fat content of the food ingredients. The two sauteing methods are the simplest and include safe and healthy cooking methods. Because you do not use a little oil and margarine, you can also replace olive oil for preventing large amounts of cholesterol. The three methods of boiling also include healthy cooking methods because boiling ingredients with water means they don't contain excessive

fat. However, the boiling method if done for too long can reduce the vitamins because they dissolve into the water. Finally, the steaming method is the healthiest method because it can preserve nutrients and vitamins that are sensitive to heat. So of the four methods have their respective advantages. But it can be concluded that the safest method for processing food is steaming.

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Tank In Modern Military

Defense equipment is a necessary thing in the military of a nation. It supports the task of the military. It can also be a barometer or rate whether strong or weak the military, which can be seen by the amount and the advance of defense equipment. In the world, there are many kinds of defense equipment like rifles, warships, warplanes, and not less importantly tanks. Almost all military of a nation has a tank. Tank is a mechanized ground vehicle with armor and a cannon. From their first appearance at the great war, tanks have developed in shape and purpose. And in this modern time tanks are divided based on its characteristic.

Main Battle Tank is the universal tank that can cover almost all roles of armored vehicles in the modern military. MBT is central in defensive and attacking at a large scale. It is supported by its characteristics. First, from their armor, MBT has the thickest armor on many sides than other kinds of tanks (It purposed) to reduce and protect the tanks from mines, RPGs, and other modern projectiles. This good defense makes MBT fit with the guard and escort mission. Second, MBT has powerful cannon but not the most powerful. Usually, MBT has a 120 mm cannon. It is enough to damage fortifications, vehicles, and other MBTs. This power makes MBT (suited) to breakthrough and attack missions. Third, MBT has many places to attach additional armament to do special missions. The common additional armament (is) night vision, sonar, projectile launcher, and so on. Sometimes the strategy in the military needs different things than MBT which can be fulfilled with other kinds of tanks and one of them is a medium tank.

Medium Tanks in the modern military are used to spy, support MBT, and used in places where MBT can not operate. It is suited to its characteristics. First, MT usually uses a 105mm cannon. This cannon is not as powerful as the MBT cannon but it is enough for their purpose to support MBT in the attack. In common to support MBT while attacking MT do flank maneuver so his cannon can enough damage the tank enemy on close range. Second, it has more light armor than MBT which gives benefit in its weight. It also makes MT superior in speed which is suited to spying missions because spying missions demand fast movement.

Third, it has a compact shape because MT has additional armament more simple than MBT. That shape makes MT has good mobility in difficult terrains like deep forest and hills. We can see that from the Indonesian military which uses an MT tank that is MT Harimau.

For the more defensive strategy, the military usually prefers to use a Destroyer Tank. Destroyer Tank is a tank that is purposed to engage other tanks from distance. Regularly DT does ambushes by camouflage. This purpose has matched its features. DT has the powerful cannon than other kinds of tanks. Typically it uses cannon of more than 120 mm caliber, less recoil, and has a long range. It is useful for DT to damage a tank from afar by highly accurate and powerful firing. Second, the armor light is the same as MT but on the front side, it is thicker like MBT armor. It is as payment to its powerful cannon that is heavy to make it more have speed. Third, Destroyer Tank has shorter than other kinds of tanks, because almost all of DT do not have a hull. That appearance intends to make DT difficult to track by enemies and make less recoil.

In summary, defense equipment is a crucial thing in a military to make succeed the operation. Tank as part of defense equipment has some characteristics to support that. There is a third common characteristic of a tank in the modern military. MBT for the common front liner on the battlefield, MT support and replacement for the MBT in some cases, and DT for the ambush tactic. The third of them complete each other in a military operation. And I think in the future, Tank characteristics will develop or reduce depending on the needs of the military.

Transmission on the motorcycle

In this fast-paced era, many people are starting to look for various ways that can support their activities. Not only smartphones and laptops but also vehicles. Many people start to think about the right type of vehicle for them to drive to support their busy mobility. The sight of passing motorized vehicles has become a daily intake. A puff of exhaust smoke in the morning is a sign that everyone has started their routine. From going to work, going to college, or just going to the market to buy breakfast. Of course, with the help of motorized vehicles, daily activities will be lighter and faster. You know, every motorbike must have a transmission component to help engine performance. The purpose of the transmission is to change the speed and rotational power of the engine, which is aimed at the rear wheels, which can later be used to drive the vehicle. The types of transmissions on motorbikes at this time also vary, so what transmissions are used?

Automatic transmission is a vehicle transmission that operates automatically by utilizing centrifugal force. The transmission used is a "V" belt automatic transmission or what is known as CVT (Continuous Variable Transmission). CVT is a power transmission system from the engine to the rear tires using a belt that connects the drive pulley with the driven pulley using the principle of friction. The working principle of the CVT transmission is to use two gears connected by a belt. We illustrate, the gears on a bicycle. If the diameter of the wooden gear is larger than the teeth on the rear wheel, then on one swing the wheel can rotate 2 to 3 times, but the pedal swing will feel heavy. Conversely, when the diameter of the stroke gear is smaller, you need more pedal swing so that the bike can run at the same speed, but this swing feels very light. The tendency of people to use automatic transmissions has increased in recent years, even certain types have entirely used automatic transmissions. The same trend also occurs in scooters such as the Yamaha Mio, Honda Vario, and many others

Manual transmission is the type of transmission used in motor vehicles. This system uses a clutch operated by the driver to regulate the transfer of torque from the engine to the

transmission, as well as a foot-operated gearshift (on the motor). The accelerator gears are assembled in the gearbox for several speeds, usually in the range of 3 to 6 forward acceleration gears. The acceleration gear used depends on the speed of the vehicle at low speeds or uphill, acceleration gear 1 is used and so on if the speed is higher, and vice versa if reducing the speed of the acceleration gear is lowered, braking can be assisted by decreasing the acceleration gear. In a manual transmission, there are various components that work to form a gear ratio comparison mechanism. In addition, there is also a connecting mechanism between the gear lever and the transmission. This manual clutch works by utilizing the friction between the two clutch plates. When the two clutch plates are connected, the engine speed can be continued to the transmission. However, when the clutch lever is pulled, the two plates will be apart or not interconnected and the engine speed will automatically be cut off. This manual clutch is widely used in sports motorbikes because the manual clutch system produces very little engine power loss, so the power and speed of the motor become large.

The difference in the transmission system on these two vehicles provides its own advantages for each vehicle. For example, if you only use a two-wheeled vehicle for daily transportation on flat roads, then choosing an automatic type of vehicle is the right choice. Meanwhile, if you use two-wheeled vehicles more for terrain that feels less friendly, such as going up and down hills, choosing a manual motorbike can be the right alternative. When using a manual motor, you can adjust the output torque and power according to what you need to get through the field in question.

The Types of Human Personality

God created humans with various characters and personalities. Personality determines how a person behaves and interacts in their life. After knowing the personality that suits oneself, humans will tend to adapt more easily to their environment. In psychology, there is a lot of knowledge that discusses personality. Therefore, several types of human personality can be categorized into three according to their respective superiority.

The first personality is extrovert. Heard the term extrovert, the word that describes this personality is open and likes to interact and build connections with other people. Another term that describes this personality is that they are referred to as social butterflies because this personality tends to want to know many new things by pursuing the interests and talents they have. With the advantages they have, they can easily develop their skills because they tend to be assertive and active and have a high motivation to keep looking for new things with the connections they have made. However, extroverts tend to feel bored when alone. Because dopamine that works in the brain will affect how we learn because dopamine can encourage us to increase self-motivation. Another advantage of being an extrovert is that you can enjoy socializing with other people more. In addition, extroverts are flexible and very open people. That is what makes them feel developed when they are with many people so that people around them are also comfortable when interacting with an extrovert. Even though extroverts are stereotyped as someone with high self-confidence, they often feel they don't have enough time to maintain relationships with people they have met. Instead, they will tend to cut off people who are a barrier for them to continue growing because extroverts like things related to many people.

The second personality type that is often known is introvert. Some introverted attitudes are also well known because an introvert is known to have a closed nature and tends to avoid things related to the interaction of many people. Even though introverts are introverted, it doesn't mean they are anti-social. However, an introvert feels that their social

energy is drained after he interacts with many people, and not a few introverts like to socialize. The advantage of being an introvert is that you can create comfort and quality time for yourself. Besides that, an introvert is also a good and wise listener because they think a lot before saying something. They can also be said to be the best advisers because introverts are meticulous and observant so when they find the wrong gap, they will immediately reveal it. Although sometimes it's hard to motivate themselves, an introvert can be the best motivator for others. In dealing with a problem, introverts become calm people and are not rash in finding a way out. Introverts can also be good mediators because they tend to prefer to observe other people's behavior so that they always have the right solution to solve a problem.

The third personality that maybe not many people know about is an ambivert. People with this personality type allow themselves to be in the middle of the scale between extroverts and introverts. The right atmosphere, place, and people will bring out the traits of an ambivert. Ambivert sometimes has high motivation from within themselves, but sometimes they also need encouragement from other people. Being an ambivert has its own advantages, namely where they can place themselves according to the circumstances they face. Ambivert also likes to socialize. Before socializing, they fully charge their energy for socializing and chances are, they will also lose their socializing energy after meeting lots of people. The advantage of being ambivert is that they tend to be stable and intuitive individuals. For that, they can flexibly determine the attitude they will take in dealing with a problem.

Not all human personalities can be equated. And each personality must have their own advantages and ways of interacting. An extrovert is a person who is more open and sociable. Introvert is individuals who tend to enjoy time with themselves. While ambivert is someone who adapts based on his mood so that they can determine what attitude they want to take.

The Most Popular Music Genre

Every day, music is something we hear. Whether it comes from our smartphones, the music we hear on the bus, or the music we use as the background music to our daily activities. There is a song for almost every emotion, and music is often used as a form of therapy. There have been many different kinds of music over the years, all of which contain beats, sounds, and various emotions. This kind of music includes jazz, rap, pop, rock, and R&B. Each sound and style of music has a rich history and is connected. Because of this, music not only identifies a particular sound but also a lifestyle and a generation. Any type of music can demonstrate the power of music. Many different musical genres have gained popularity over the past few decades.

The first most popular music genre is pop. Pop music is always a hit, and its appeal never fades. Although times have changed, the pop music genre has maintained its dominance and popularity. Pop music is a type of music that emerged from contemporary musical styles in England and the US in the middle of the 1950s. Pop music frequently incorporates components from different genres, including country, Latin, rock, dance, and urban. The basic structure of this pop music genre, which uses repetition of words, tones, melodies, and other elements, is typically made in short to medium durations. The Beatles, Michael Jackson, Christina Aguilera, and many more are examples of international pop musicians.

The second popular music genre is rock. Music rock is usually identical to loud, energetic, and rock sounds. This is because Music Rock utilizes an electric guitar with the use of backbeats very visible in the keyboard, drums, and bass. Music Rock began to be known in the mid-1950s. The roots themselves come from Blues, Rhythm, and Music Country from the 40s to the 50s. In the late 60s and early 70s, music rock developed into several types because it was mixed with music folk, namely blues-rock and jazz-rock fusion.

And in the 70s, it changed to soft rock, heavy metal, glam rock, punk rock, and so forth. Some worldwide rock musicians include Queen, Guns N'Roses, Linkin Park, and many more.

The third most popular music genre is R&B. Rhythm and Blues is referred to as R&B. Popular music known as R&B combines a variety of musical genres, including blues, gospel, jazz, pop, funk, electronic music, and others. African-American performers were first responsible for popularizing this musical style. Because of the vocal arrangements and polished percussion and saxophone instruments, R&B has a jazz-like musical energy. Rapper, hip hop, rapping, and other terms are frequently used to refer to R&B performers.

In conclusion, various genres can be applied to music. People's interest in the instrument and the music's subject matter determine how well-liked a certain genre of music is. They can select songs based on their preferences and requirements. And the majority of individuals enjoy pop, rock, and R&B music. If you enjoyed songs other than the top three, it doesn't mean you don't keep up with the trends. People's preferences and areas of interest might vary for a variety of topics, including music. Different people have various musical needs. Because music is mostly used for entertainment, boredom relief, and even as a therapeutic aid.

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Quality Football Leagues in the World

Now this sport has many types, whether played in groups or individually. Over time, many sports are popular by the times, especially football. Football itself is the most popular sport today anywhere in the world they know football. With the development of technology and the times, football now has many leagues in every country. Each country that is a football league certainly has different qualities. The benchmark for the league with the best quality, such as broadcast quality, match quality, and the best players playing in the league. With such benchmarks, football leagues can be classified based on the quality of the league.

The league with the best quality is of course the English league. The English league is the league with the most competitive competition in the world. It can be said to be the most competitive because there are many teams in the English league or mediocre teams who are able to compete to become champions. In the competence of the English league season 2022, Newcastle United, which incidentally is a mediocre club, is able to provide stiff competition to top clubs such as Chelsea, Arsenal, Tottenham, and Manchester City. This proves that queen Elizabeth's competition is very competitive. The English Premier League also has many of the best players and coaches in the world who play English Premier League clubs. The players and coaches are interested in joining the English league because the atmosphere and quality of the English league are very different from any other league. The quality of the English league itself can be seen from the technology used as well as the facilities and infrastructure that contribute to advancing football in the land of Queen Elizabeth. Adequate technology and facilities make the English league the best league in the world.

The Spanish league or many people know as La Liga is one of the leagues with the best quality in the world. In 2021, La Liga itself made a breakthrough by using an 8K camera. With this camera breakthrough, La Liga is claimed to have the best football broadcasting quality in the world. Besides having the best broadcasting, the quality of the club in La Liga certainly doesn't need to be doubted. In La Liga, they have two of the best clubs in the world,

Real Madrid and Barcelona. These two clubs have become proud of the Spanish league itself. In the competition in Europe, these two representatives of the Spanish league have become one of the clubs with the most champions league winners. Last season in the champions league Real Madrid came out as champions after beating representatives of the English league, Liverpool with a score of 1-0. This of course makes clubs from the Spanish league highly respected in European competitions. Even though they have the best club, La Liga is still not competitive in terms of competition.

With talented players, the German league has a quality that is not far behind the English and Spanish leagues. The German League or Bundesliga is a football competition league located in Germany. In the past, competition in Germany was not taken into account in Europe and even the world, but now the German league is one of the leagues with the best quality in the world. This cannot be separated from the renewal of several aspects in Germany such as the quality of the field, broadcasting, and the quality of the team playing. Football experts believe that the German league is the producer of world football's best seeds in addition to the Dutch league. In recent seasons the German league has become a supply of excellent football seeds or wonderkids to be developed and utilized for the future prospects of the team in Germany itself. In terms of competence, the German league is now much more competitive than the previous seasons, which were dominated by Bayern Munich and Borussia Dortmund.

The quality of the league in the world can be seen from the aspect of the technology used, the quality of the team, and broadcasting. In this case, along with the development of the times, leagues in the world continue to improve their quality so that they can become good and growing leagues. Of course, league leaders must always prioritize the interests of the club rather than money. With them prioritizing the interests of the club they can know what the needs of each team are and they can make improvements together to advance the quality of the league itself.

Most Popular football Fans Type

Football always has a unique side that is interesting to observe, including the twelfth player who always accompanies 90 minutes with an uplifting chants. The arrival of fans to the station is usually based on various motives ranging from seeking entertainment, supporting or even blind fanaticism towards the proud team. From these various motives, it gave rise to various genres in football fans. There are several streams of popular football fans today, hooligans, casual, and ultras. From all of the above they have their own way of supporting the proud team.

The first is hooligans. Hooligan was popular in England in the mid 60's for what the British media used to refer to groups of supporters with excessive fanaticism. This sense of fanaticism then gives rise to naughty actions such as fighting, vandalism, intimidation, to the loss of life. This hooligan was formed from British working class firms that stood under the same name. They have a tradition of away days guarding a proud team with the other goal of fighting with the opposing team's hooligan firm. This violent habit led to hooliganism being banned in England in the 80s, in the aftermath of the Heysel riots involving Liverpool hooligans and Juventus Tyfosi. Some of the most popular hooligans in the world are Inter City Firm (West Ham United), The Red Army (Manchester United), Bushawkers (Milwall) etc. We can see the atrocities of these hooligans in the film Green Street Hooligans.

The second is casual. Casual is a new form of hooliganism after they banned by the British government. The mention of casual itself refers to the style worn. Casual was first popularized by Liverpool hooligans with the aim of tricking the police. Because after the Hysel tragedy, Liverpool hooligan groups were prohibited from watching Liverpool matches, both home and away. Casual firms are often seen wearing branded clothes such as Stone Island, Adidas, Cp Company, Sergio Tacchini, Marshall Artist, etc. instead of using team attributes. They also have almost the same tradition as hooligans, but they only differ in their style of dress. This style change then gave rise to a new crime, namely robbery at shops in the away days area. Some world famous casual firms are The Urchins (Liverpool), The

Gooners (Arsenal), in Indonesia alone there are B6 Surakartans (Persis Solo), Flower City Casual (Persib Bandung). The visually of this casual supporter can be seen in the The Firm Film.

The third one is ultras. Appeared in the decade of the 60s in Italy to refer to a group of hardline supporters who often stood behind the goal. Ultras also have habits that are just as violent as hooligans and casuals, but ultras are a group of supporters who are more organized and prioritize creativity. This creativity will be seen when they loudly sing chants throughout the game to percussion accompaniment. Sometimes ultras also show their creativity by spreading large choreography to convey a certain message or as a psycho war to the opposing Tim and supporters mental. Some world famous ultras groups is Brigata Curva Sud (PSS Sleman), La Curva Milano (AC Milan), Yellow Wall (Borussia Dortmund). Ultras and his way of life can be watch on Ultra' film.

Three types of supporters above are everyone's way of expressing their love for the proud team. This unreasonable love has always colored football with riots, casualties and other crimes. Even though, football will not lose its fans. Because football always has a magical power that can attract many people to maintain the existence of this sport. In addition, football has become a unifier of all groups. Even Tan Malaka mentions in his memoirs "Sepak Bola Adalah Alat Perjuangan". One message that we must remember is 'No Football Costs Life'.

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Staple Food Energy Source

Each food must have its content. Including the staple food that we eat every day. Some foods contain a lot of nutrients. There are various sources of staple food energy. Staple foods are divided based on the most important or most important there are several types. Among them are carbohydrates, proteins, vitamins, minerals, and water. This classification is based on the content of nutrients that our bodies need.

Carbohydrates are the main source of energy because they contain glucose. Fats and proteins require a more complicated digestive process to become energy, in contrast to carbohydrates whose energy can be easily used by the body. When consuming carbohydrate food, the body will digest and convert it into glucose. With the help of the hormone insulin, glucose will be absorbed by the body's cells. From this process, the body will obtain energy. Examples of foods that are sources of carbohydrates include rice, corn, wheat, sago, fruits, seeds, and potatoes.

Protein is a substance that is very important for the body and is the largest component of all living cells. Protein in the body functions as the main source of energy besides carbohydrates and fats, as a building substance and a regulatory substance in the body. Therefore, it is very important to ensure that the body has adequate protein intake to maintain healthy bones, muscles, and tissues in the body. Examples of foods that contain high protein are eggs, milk, almonds, and soybeans.

Folic acid is also known as vitamin B9. Vitamin B9 is believed to increase the body's energy. Vitamin B9 helps convert the food you eat into fuel and energy. Vitamins have a variety of functions that help regulate metabolism, prevent chronic disease, and maintain appetite, mental health, and immunity. Some examples of the best natural sources of vitamins from food are broccoli, spinach, and avocados.

The next staple food energy source is minerals and water. Some of the benefits of mineral water are lowering blood pressure, improving bone health, and maintaining skin

moisture. Quoted from Medline Plus, apart from being beneficial for maintaining bones and teeth, another function of the mineral calcium is to play a role in muscle contraction and relaxation, nerve activity, and the process of blood clotting.

Classifying staple food energy sources like this lets us know which staple foods are the most important for our bodies. We also understand what foods our bodies need and know how to fulfill them. It can also help us when we need one of these staple foods, so we know what food we should eat.

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TYPES OF SPORTS

Sports are one of the most important things in our life. There is a lot of version of sports. For instance; soccer, swimming, volleyball, basketball, etc. But, this essay focuses on the fundamentals of sports. Sports can be classified into three categories such as individual sports, dual sports, and team sports.

Firstly, one type of sport is individual sports. An individual sport, as the name suggests, is a sport in which participants compete as individuals. However, team competitions in individual sports also occur, such as the Davis Cup and the Fed Cup. Examples of individual sports include boxing, wrestling, golf, fencing, martial arts, tennis, ice skating, skiing, rodeo events, and much more. Several sports have both team and individual components, such as track and swimming.

The second category of sports is dual sports. Dual sports are played by two people opposing each other, whereas team sports involve organized groups of people competing against each other. More so, dual sports develop teamwork and coordination since it needs both to win the game. Examples of dual sports are billiards, baseball, table tennis, softball, basketball, etc.

The last category of sports is team sports. A team sport includes any sport where individuals are organized into opposing teams that compete to win. Team members act together towards a shared objective. This can be done in a number of ways such as outscoring the opposing team. Examples are basketball, volleyball, rugby, water polo, handball, lacrosse, cricket, baseball, and the various forms of association football and hockey.

Eventually, there are three types of sports which are individual sports, dual sports, and team sports. While both dual and team sports focus on teamwork, Individual sports are all about that one athlete. The way these sports are played depends on the type of sport.

Dairy Product

Milk is white liquid secreted by the mammary glands in female mammals such as cows, goats, or buffalo which is obtained by milking. Milk contains many nutrients that the body needs, especially calcium. In a glass of milk contains approximately 125 to 250 mg of calcium, from this we know that milk is the great sources of calcium. Milk can be enjoyed in various ways, either by drinking fresh milk or consuming dairy product. Dairy product or milk products are food product made from milk. Most people prefer to consume dairy products than to drink fresh milk, therefore many people develop a lot of dairy products. The following is a classification of dairy products based on the most in demand by the public.

Ice cream is one type of food from dairy products that is popular in the world and is very popular with all people. Ice cream is a frozen food product made through a combination of processes freezing and agitation of ingredients consisting milk and milk product, sweetener, stabilizer, emulsifier, and flavor enhancer. Ice cream is one of the most popular desserts for many people. Everyone loves ice cream because it is sweet and delicious when the weather is hot. Identical to sweet and cold this one food turns out to have a variety of health benefits. Although there are many benefits of ice cream, consuming it in excess has the potential to trigger a number of health problem.

The most famous dairy product is cheese. Cheese is dairy product that it produced through the separation of milk protein (casein) with whey or it liquid. In its production, cheese is made from four basic ingredients, namely milk, salt, probiotics and an enzyme called rennet. There are many types of cheese and each type is made from a different type of milk, with a different manufacturing process. Processes milk on this one is synonymous with a soft texture and also a salty taste. There is various type of cheese, especially in Europe, each region even has its own special cheese. In addition to containing protein and phosphorus, many cheeses are also fortified with omega-3 fatty acids. Omega-3 is essential

component that surround every cell in our body. Omega-3 can provide calories as energy for the body and can help maintain a healthy heart, blood vessels, lungs, and immune system.

Other dairy products that are no less popular are yogurt. Yogurt is a dairy product that is made by pasteurizing it first, then fermenting it with various yogurt seeds, and then incubating it at a certain temperature to trigger the growth of these bacteria. Yogurt is known to be rich in protein and calcium, as well as probiotics which are beneficial for the health of the digestive system. Same with cheese, yogurt is also divided into several types, including low-fat or non-fat yogurt, kefir, and Greek yogurt. Each type of yogurt is of course different. Low-fat yogurt is made with as much as 2 percent milk, while non-fat yogurt is made using skimmed milk which contains no fat at all. The second type of yogurt is kefir, if in general yogurt has a slightly thick liquid textures, kefir is more liquid than yogurt. Kefir contains probiotics and is easy to make at home by adding kefir grains to milk and letting it sit for 12-24 hours. Next is Greek yogurt. Greek yogurt has a thicker and softer consistency than other types of yogurt. Because of its consistency, Greek yogurt has a higher protein content compared to other types of yogurt.

The last one is condensed milk. Condensed milk is made by heating milk until the water content reduces. Then, the curdled milk will usually be added with sweetener. In addition to adding flavor, this is done to extend its durability. Due to the presence of sweeteners, the calories in condensed milk are quite high. For this reason, condensed milk can be a suitable dairy product for those of who want to gain weight. This product also contains protein, fat, and several minerals that are healthy for bones such as calcium and phosphorus from the milk it comes from.

Milk has been used by humans since the beginning of recorded time to provide both fresh and storable nutritious foods. Most milk is manufactured into more stable dairy products of worldwide commerce, such as ice cream, cheese, yogurt and condensed milk. Most dairy products come from cow's milk, although some are made from the milk of sheep, goats, and other animals. The healthiest dairy products generally come from grass-fed or pasture-raised cows. The milk that comes from it (s of) much better quality, including more beneficial fatty acids and fat-soluble vitamins.

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Levels in the Use of Javanese Language

Language is the ability of humans to communicate with fellow humans using signs, such as words and movements. Around the world also have different languages, such as Japanese, Chinese, German, Dutch, Indonesian, and English. English is the international language for communication in various countries. Moreover, Indonesia has many different languages in every region. Indonesia ranks second with 715 languages, which is the Javanese language. The Javanese language is a popular language in Indonesia. Many Javanese songs and films have many devotees. The Javanese language can be divided into four corresponding levels, the highest to the lowest in use or function.

Krama Inggil is the highest level in the Javanese language. *Krama Inggil* is used to honor someone by glorifying that person. *Inggil* itself has a meaning that is high or noble. *Krama Inggil* is important in Javanese because they are considered the most polite when communicating with strangers, elders, or respectable people. *Krama Inggil* is the most difficult language to learn in Javanese. *Krama Inggil* are much more complicated than the lower levels. *Krama Inggil* is not only a sign of politeness but also shows the social strata of the other person. However, *Krama Inggil* is often used to communicate between the younger to the older. Examples of pronunciation such as "*Romo tindak dhateng Jakarta dinten Rebu.*" The meaning of the sentence mentioned is that my father went to Jakarta on Wednesday. That can see in the *Krama Inggil* language word order from beginning to end uses all *Krama* without any other admixture. After that, at the level below, *Krama Inggil* is *Krama Lugu*.

Krama Lugu is almost the same as *Krama Inggil*. *Krama Lugu* also uses prefixes to suffixes in the form of *krama*. The difference is that *krama Lugu* is at a level just below *krama Inggil*. For example, the word "you" in *krama inggil* is "*Panjenengan*" while *Krama Lugu* is "*Sampeyan*". *Krama Lugu* is not as smooth as *krama inggil* in terms of grammar. As with *krama Inggil*, the use of *Krama Lugu* is used when meeting new people, strangers, or older people. That use of *Krama Lugu* is a form of respect for the other person. The difference

between krama Inggil and Lugu is not that striking. To know the Krama Lugu can be seen in every word that can tell the difference. An example of the use of krama lugu is "Sing dipilih Sigit niku jurusan jurnalistik utawi perhotelan". That means of the sentence is that the person Sigit chose was majoring in journalism or hospitality. Then after this, there is an order of even lower levels, namely Ngoko Alus.

Ngoko Alus is right below the level of Krama Inggil and Krama Alus. Ngoko Alus uses Ngoko at the beginning and end of the vocabulary but mixed with krama. Ngoko Alus used as the daily Javanese language of the Majority of Javanese people. However, the use of Ngoko Alus should not be arbitrary. Ngoko Alus not intended when the interlocutor is an older person or a respectable person. Ngoko Alus can be used with other people who are the same age but unknown people with a form of respect. The speech of Ngoko Alus is still relatively smooth and not harsh, but it is still not intended for older and respectable people. If you talk to those mentioned earlier using Ngoko Alus you are considered impolite. So use Ngoko Alus in accordance with the provisions of the language. An example of using ngoko alus is "Panjenengan kagungan duit, mbok aku diparingi sangu". The meaning of the sentence is if you have money, can I ask for the money". So that was the discussion about Ngoko Alus then the last or lowest level is Ngoko Lugu.

Ngoko Lugu is the lowest or the last level of Krama Alus, Inggil, and Ngoko Alus. Ngoko Lugu, all of his vocabulary not mixed with krama. Ngoko Lugu is also often used in daily communication by the Majority of Javanese people. It used when communicating should be avoided with respectable or older people such as Ngoko Alus. If communicating with respect, or older people use a Ngoko Lugu is considered disrespectful. The level of subtlety is far from Krama. So it **is use** is used to talk to people you already know, close friends, or with people who are younger. For example, the word "you" is enough to use the word "Kowe" which distinguishes it from krama. Ngoko Lugu language begins and ends in the form of Ngoko all. An example of the use of innocent ngoko is "Aku arep menyang pasar ,kowe tunggwa omah". The meaning of the sentence is I will go to the market, you just wait at home. So that was an explanation of the Ngoko Lugu.

Javanese is one of the most popular regional languages in Indonesia. The Javanese language is divide into four levels which is Krama Inggil, krama Lugu, Ngoko Aalus, and

Ngoko Lugu. Krama Inggil is the highest level used for communication with people older or respectable people. Followed by the lowest level, namely Ngoko Lugu. The use in informal situations usually used in everyday life for the Javanese. The Javanese language must preserves and developed because it is one of the regional languages in Indonesia. Java is now the number one language with the most users. It can conclude that, from the four types of Javanese Language, there are **special's** characteristics and their use according to the provisions. The Javanese language is considered the most refined and polite, the Javanese language is beautiful to listen to.

National Flower

Flowers, sometimes also called bloom or blossom, are reproductive structures that we can find in flowering plants. Flowers also have various types of colors, such as white, yellow, red and others. Flowers can symbolize the characteristics of a country, namely the national flower. Every country has a national flower that describes the characteristics of the country itself. In Indonesia, the national flower is divided into 3 flowers, namely white jasmine, moon orchid and corpse flower. It has been established through Presidential Decree no. 4 of 1993.

One of the national flowers of Indonesia is white jasmine (as the nation's treasure or *puspa bangsa*). This white jasmine or *Jasminum sambac* species is native to southern Asia (India, Myanmar and Sri Lanka). This flower is white, small in size with rounded petals at the ends. It has a pinnate and opposite shape. This flower has a distinctive aroma, included in compound interest. The reason that makes white jasmine flowers the national treasure is related to the attachment of jasmine flowers to the lives of Indonesian people. It has long been known as a sacred flower in Indonesian tradition, symbolizing purity, simple elegance, and sincerity. Jasmine has a broad meaning in Indonesian tradition; it is the flower of life, beauty, and marriage, but is often associated with the spirits of the dead and the dead. It also symbolizes beauty in simplicity and humility, because although this white flower is small and simple, it has a fragrant aroma.

Second of the national flowers of Indonesia is moon orchid (as the nation's charm or *puspa pesona*). The moon orchid or *Phalaenopsis amabilis* was discovered by a Dutch botanist, Dr. C.L. Blume. The moon orchid can be characterized by its white color with yellow and red hues. When viewed from the type of moon orchid flower that has a yellow hue, it will look like the moon at night. In addition, the white petals on this flower are quite large. Even though this flower is not as fragrant as jasmine, the beauty of this flower can attract the eyes of those who see it because this flower is full of charm.

Third of the national flowers of Indonesia is corpse flower (as the nation's rare or puspa langka). In 1818 by dr. Joseph Arnold and Sir Thomas Stamford Raffles in the tropical forest of Sumatra, the corpse flower or *Rafflesia arnoldii* was first discovered somewhere near the Mana River, Ketuk Lubuk, South Bengkulu Administrative Region, therefore Bengkulu is known as Bumi Rafflesia. This flower has 5 petals that surround the mouth of the flower. In the base of the flower there are thorns, which contain stamens or pistils depending on the gender of the flower. This type of flower, along with other members of the *Rafflesia* genus, is a genus whose status is threatened with extinction due to the extinction of the habitat that supports its life, one of which is due to extreme deforestation. This is the reason why *Rafflesia Arnoldi* is called a rare puspa as a reminder for the Indonesian people to participate in preserving it.

To sum up, each country has its own national interests. The national interest of each country can be the same but it can also be different. This depends on the meaning of interests in each country. However, we must appreciate the meaning contained in each of these flowers because there must be a reason behind it.

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Three types of food

Food is a basic human need that is needed at any time and requires good and correct processing so that it is beneficial to the body, because food is very necessary for the body. A healthy food is a food that contains essential energy and it is good for health. The essential energy is carbohydrate, protein, vitamin, and so on. Consequently, food can produce energy, maintain life, or stimulate growth. Food can be divided into three based on sequence of service: appetizer, main course, and dessert.

The second course is main course. The main course can be called a staple or core dish between the other two menus. With the largest and most dense portion, the main course aims to satisfy the guests. The main dish, which is also known as the main dish or grocery piece, includes various compositions. The main course is a staple dish or main dish from a full menu that is usually served at breakfast, lunch and dinner. Some of the main ingredients of this dish generally use meat, fish or poultry.

Besides, dessert is the last dish. Dessert is served after the main course. Moreover, dessert as a refresher after eating the main course. Dessert is served in small portions. These portions are smaller than the appetizer and main course portions. Dessert servings are usually about a hundred grams. An example of a dessert is Fresh Fruit Platter. It is a kind of mixed fruit, it is rich in water. Fruits that can be used are watermelon, pineapple, apple and kiwi.

In sum, based on the order of service, the food can be divided into three. There are appetizers main course and dessert. In addition, appetizer, main course and dessert have their respective functions. The portions and samples of each food are also different. Each of them is very important for our body; However, the main course is the most important because it contains more energy than an appetizer or dessert.

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Waste Management

Organic and non-organic terms are not unfamiliar to us. These two words are often synonymous with matters relating to biology and chemistry. Until now, the term organic is often associated with food products which seem to describe that the product is natural and does not contain chemicals. From the Big Indonesian Dictionary, organic means something related to substances derived from living things, related to living organisms, or something that is grown or maintained without the use of synthetic chemicals. While non-organic is the opposite. Non-organic is something that concerns or consists of objects other than humans, plants, animals, or what is commonly called non-living objects. However, not only are they often juxtaposed with food, but these terms are also commonly used in waste matters. Waste is the residual waste from a product or item that is no longer used, but can still be recycled into something of value. And waste is also divided into two categories, that's are organic waste and non-organic waste.

Organic waste is waste that comes from the rest of living things. Based on the type, organic waste can be classified into 2, among others; wet organic waste and dry organic waste. Wet organic waste is organic waste that contains a lot of water, for example, vegetable residue, banana peels, rotten fruit, and onion skins. Meanwhile, dry organic waste is organic waste that contains little water, such as wood, tree branches, and dry leaves. How to manage organic waste is relatively easy because it can be decomposed biologically or naturally without the process of human intervention for biodegradable. In addition to being disposed of in landfills, or recycled, organic waste can also be burned. But, burning organic waste is not recommended because it can produce toxic fumes. As for how to manage organic waste properly and correctly so that it can be reused and keep the environment safer and cleaner, such as; some waste made of paper can be reused or can be used as raw material for paper, food scraps can be used as animal food, organic waste that is derived from animal manure, leaves, and fruit skins can be processed into compost, and organic waste can also be managed for biogas production.

Non-organic waste is waste that is no longer used and is difficult to decompose. Because non-organic waste is classified as a substance that is difficult to decompose, if the waste will be buried in the ground for a long time it will cause damage to the soil layer. Non-organic waste can be divided into 2 types, namely soft non-organic waste and hard non-organic waste. Non-organic soft waste is waste that has soft or flexible properties and is easy to shape, such as plastic, straws, or wrappers from fast food. In addition, there are also types of liquid waste, such as used detergent water, washing soap waste, cooking oil, and so on. In contrast to soft waste, non-organic hard waste has properties that are not easy to destroy because it contains strong materials, among others; broken glass, ceramics, rusty iron, and cans. This waste can only be destroyed by using certain methods of destruction such as incineration or heating. Therefore, to manage non-organic waste, it is not recommended to litter, burn, or bury it in the ground. There are several ways to manage non-organic waste that are environmentally friendly, including; selecting waste that can still be reused, then separating non-organic waste by type and distributing it, or disposing of it through scavengers or available waste banks, and non-organic waste such as glass, fiberglass, plastic, tires and aluminium components can be brought to the production plant to be managed and processed into new products.

Simply put, organic waste is waste that comes from living things. Meanwhile, non-organic waste is waste that comes from non-living objects. Organic waste can decompose by itself and with the passage of time without human intervention. However, not with non-organic waste, non-organic waste can only be decomposed only with the help of human intervention. Although it is difficult to decompose non-organic waste, it also has benefits. The benefit of non-organic waste is that we can use it to make crafts from the waste. For example, plastic or glass bottle waste can use as a multipurpose container or place, and can also be used as a planting medium in plant pots. By managing organic and non-organic waste properly and correctly, environmental pollution due to waste can be reduced. As a result, the environment becomes more comfortable, clean, and healthy so that it is free from diseases caused by waste. And the waste can also be useful to improve the welfare of all of us.

How to lose weight

Today I would like to give some tips about how to lose weight. firstly, you must keep your own personal food diary and determine your weight loss goals upfront. It is important that you determine a healthy weight for you age and height. Sometimes people want to lose weight to become very thin; this is not good for your health, so before you start ensure you know what are your weight loss goals. people who keep food diaries, according to a study published in the Journal of the Academy of Nutrition and Diet, lose an average of 2.75 kg more than people who do not keep a record of everything that they eat. So, force yourself to write down the good, the bad and the ugly. Then, you must avoid skipping meals. The same study found that people who ate at least 3 meals per day lost more weight than people who did not.

The scientists speculate that people who skip meals either overeat at their next meals because they are so hungry, or their bodies absorb more calories because they are in starvation mode from skipping meals. And the last, you have learned to love fruit. Fruit helps to satisfy your sweet tooth thanks to its natural sugars. It also contains fiber to help you feel full quickly. You also must **to** eat vegetables for nutrition and to help you fill up more quickly. When you make your lunch or dinner plate contain at least 50 percent vegetables, you can have other richer dishes on your plate in smaller portions. That's all I want to talk about

Everyone knows that the food you eat affects your health. The nutrients in food keep your body healthy and help it grow. Without proper nutrition, your body and mind cannot function properly. Because no single food provides all the nutrients you need, eating a variety of foods increases your chances of getting all the vitamins, minerals, and other nutrients needed for good health. To help people choose healthy diets.

Movie Category

In our daily life, we certainly still have free time between busy work and other activities. But sometimes, we don't know what to do to fill our spare time. One of the favorite activities to do in spare time, maybe many people will answer watching movies. Why? Because watching movies provides its own entertainment that can provide satisfaction for the audience. Film is an audio-visual medium that is often a means of entertainment for the audience. Films are also a medium for releasing emotions for the audience, ranging from laughter, tears, to creating a sense of fear. Each film also has its own story ideas and film themes that you can watch according to your interests and tastes. In addition, films can also be classified according the number of fans.

Films with the action genre or action films are one of the favorite film genres for many people. This film is also known as an action film. The hallmark of action films is the number of action scenes such as fights or battles carried out by the main characters that require physical strength or special abilities. The idea of a story in an action film is usually told with a mission that must be carried out by the main character where the mission requires him to do a rescue **or**. Action films are widely liked because they provide thrilling scenes and stimulate the adrenaline of the audience. Examples of action films such as John Wick, The Raid, or Taken.

The second is horror films. Horror genre films are films that aim to give fear to the audience. This fear is expressed through various aspects in the film, starting from the idea of the story, the characters of the characters, the setting of the story, the artistic arrangement, the arrangement of the camera and light, to the use of sound effects that give a scary impression. Horror films usually feature scary characters, such as ghosts, zombies, monsters, or other scary creatures. Scenes in horror films also often have a surprising effect and give terror to the audience. Some examples of horror films include The Conjuring or Pengabdi Setan.

The next is drama films. Many films from the drama genre are considered the best film category so far. Drama is a film that presents stories about sincerity in the reality of human life. Most of the stories in drama films are based on a true story or the story of a legendary novel. The plot of the story is about the problems of life filled with struggles and conflicts that are identical to love stories. Some examples of films with the best drama genre are Nicholas Sparks' masterpieces such as *The Notebook*, *The Choice*, *A Walk To Remember*, *Safe Haven*, *The Best Of Me*, *Dear John*, *The Last Song*, and other best works.

The last but not least favorite genre the of the film is the comedy genre. This genre of film has been a fun, sophisticated and innovative genre that has delighted audiences for decades. Some of the biggest names in filmmaking history include comedy genre pioneers such as Buster Keaton, Charlie Chaplin, and Lucille Ball, who made successful careers for finding new and unique ways to make the audience laugh. The comedy genre is also one of the most flexible, because its roots have gone into the fabric of cinema and the many other genres it contains. The art of warming hearts and bringing smiles to viewers' faces will never go away. Examples *Jumanji: The Next Level* (2019), *Game Night* (2018), *Shazam!* (2019), *My Stupid Boss* (2016), *Pretty Boys* (2019), *New Rich People* (2019)

One of entertainment favored by the public, especially young people, is watching movies. Therefore, nowadays film is not only for entertainment, but can be a means of education as well as a medium for conveying certain messages. As with other shows, currently there are many film genres available to make it easier for movie lovers to choose according to their preferences. The genre of the film is indeed very influential on the interest of the audience. Apart from looking at the genre, the age limit of the audience must also be considered before enjoying a film. This is so that the message conveyed in the film can truly be understood by the audience.

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The Genres of Video Games

A game is a structured form of play, usually undertaken for entertainment or fun, and sometimes used as an educational tool. Many games are also considered to be work or art. Games are sometimes played purely for enjoyment, sometimes for achievement or reward as well. In this modern era, video games have been developed to become better and better. Not only indulge the players with stunning graphics, **the** genres of video games which are more varied make them even more complacent with this kind of entertainment media. In addition, a genre in video games can also be a reflection of the personality of the players. We can conclude it from a player's interest in a certain video game genre. But unfortunately, people still think that only maniacs kill time by doing boring things like playing video games. When in fact, now video games have changed into one of the most popular digital recreation media which have diverse types and continuously will be favoured by various groups.

The first and the most popular genre is casual games. Casual games are characterised by spontaneously or irregularly playing patterns. Casual games typically have simpler game mechanics and rules, and can be finished quickly. This makes the casual games players spend less time playing than the other genres players. Kinds of adventure games, action games, and strategy games are included as subgenres in this genre. Adventure games such as Super Mario Bross and Adventure Island serve the players with long story lines and drive them to explore a large map. Action games like God Hand, Resident Evil, and Basara Heroes are for those who like challenges and want to stimulate adrenaline while playing the game. One more, strategy games like Age of Empire and Total War are usually played by thinker type people who want to get pleasure from playing games. Because of its characteristics which have easy mechanics, simple rules, and can be played intensively, casual games become the most favoured genre.

The next is a genre that require players to invest a lot of time to play and very

competitive, called hardcore games. Not like the casual games, hardcore games can't be paused and needed seriousness to play them. This because the players must compete each other to win and to achieve the highest rank among the players. Massively Multiplayer Online Role-Play Games (MMORPG), First-Person Shooters (FPS), and Multiplayer Online Battle Arenas (MOBA) are the most played subgenres. Apart from the skill and concentration of the players being thoroughly tested, the prestige and the competition make this game the most complex and difficult of all the genres. As a result, many hardcore games are used in e-sports event.

Games are not just about competition and having fun. Education games are the genre which not only drive the players to have fun, but also make them think to solve the problems. This genre covers puzzles, quizzes, and word games. Puzzles are a type of game which present problems visually and require players to understand how to solve the puzzle. This makes the players think and try different possibilities to complete the levels in the game. Unlike puzzles, quizzes usually use words and numbers which are arranged into questions with various difficulty levels. Word games are similar to quizzes, but have a striking difference. It requires players to arrange the random letters into a word or the random words into a complete sentence according to the clues given. Although the education games require the players to think, they can still enjoy playing because the problems given are not too rigid.

In conclusion, the rapid development of video games makes the quality of them better and more interesting to play. People also can choose the genres which suit their characteristics or interests. The various genres in video games make them more catchy until they become one of recreation digital media which are fancied by many groups. But remember, don't overdo playing video games and choose it according to age level.

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Classification of Air Conditioners

A comfortable room is everything. The comfort of the room affects the mood, happiness, and productivity of someone who is in it. For them, a comfortable room has natural lighting, air circulation, and air conditioning. For comfort during activities, the problem of heat in the room will be overcome by air conditioning, which is commonly used in offices or housing. However, the cold air in the room is not just an issue of comfort for residents but is also related to the use of electrical energy and the environment. This is because air conditioning, be it air conditioning or heating, requires electricity. But when it comes to comfort and rest, no one wants to compromise. As a result, many people think twice before purchasing an air conditioner. To find out the type of cooling aid that suits your needs, you can start by determining the placement area. So that you get comfort according to your needs and optimal coolness, these 3 tools can be an option, namely an AC, a fan, and a steam fan.

Machines that are made to stabilize the temperature and humidity of the air in a room are air conditioners (AC). Depending on the situation, this tool is used to cool or heat. However, AC is often referred to as "air conditioning" because it is used more to cool the room. Air conditioners also have another function, namely cleaning the air. To carry out this function, the air conditioner has four main supporting components, namely the compressor, condenser, evaporator, and capillary tube. In addition, AC also has supporting components, namely a stainer, blower, accumulator, and fan. With the advancement of science and technology, AC power is now available in a variety of forms for a variety of applications, namely AC power, split wall, cassette, central, split duct, standing floor, portable, and window. The use of this air conditioner also consumes considerable electrical energy, more than other air conditioners such as fans and steam fans.

Whether you realize it or not, the air around you feels stuffier and tighter every day. This, of course, will give us all a feeling of discomfort. This situation is also a problem for

cafe or restaurant entrepreneurs, where comfort is the main requirement needed by visitors. Various measures are taken to keep the atmosphere cool and comfortable for visitors. One of them is using a steam fan. The way the fan works is that there is a water spray compressor that works by spraying water in front of the propeller of the fan. By placing it outdoors or in a large room, the water spray from the compressor towards the propeller will not disturb visitors in the room, and you also don't have to worry about slippery carpets or floors due to the gusts of water released by the steam fan sprayer compressor. This steam fan is available in various sizes, starting from the small size, which is 40 cm in diameter, to the jumbo size, which is 32 inches in diameter. This is, of course, to meet the needs of consumers who buy fans according to the size of the room. But with its consumptive size and function, the use of this steam fan also requires quite a lot of electrical energy, though not as much as an air conditioner. Electric fans can also be another option to cool the room.

A fan is a tool that is used to generate wind to cool the air as well as provide a refreshing effect when the air is hot. In addition, the fan can also act as an exhaust fan and dryer. Fans are generally distinguished from traditional fans, including hand fans and electric fans that are driven using electricity. The development of fans is increasingly varied, both in terms of size, positioning, and function. Fans have several types of designs, namely table fans, sitting fans, standing fans, wall fans, hanging fans, multi-function fans, and portable fans. Turning on the fan can replace dirty air with clean and fresh air from the outdoors. Both ceiling fans, standing fans, and wall fans all have the same benefit of increasing air circulation. Each type has a different electrical power. Even so, many people prefer to use fans instead of air conditioners because, apart from being practical, they also save on electricity usage.

With various types of air conditioners, almost all of them have the same function, which is to provide a feeling of comfort in the room by making it feel cool or cold. Room comfort affects the mood, happiness, and productivity of someone who is in it. For comfort during activities, the problem of heat in the room will be overcome by air conditioning. To find out the type of cooling aid that suits your needs, you can start by determining the area where it will be placed. But if you want to be more comfortable in the room, you can use the air conditioner. Even though it uses a lot of electricity, you can feel the sensation of comfort.

