THE EFFECT OF FISHBONE STRATEGY ON STUDENTS’ ABILITY IN WRITING ANALYTICAL EXPOSITION TEXT AT MAS JAMIYATUL AL-WASLIYAH TEMBUNG YEAR 2018/2019

A Skripsi

Submitted to the Faculty of Tarbiyah and Teachers Training State Islamic University of North Sumatra Medan as a Partial Fulfillment of Requirements for the Degree of Sarjana Pendidikan

By:

DWI FARROH ZUHAINAH
NIM: 34154163

DEPARTMENT OF ENGLISH EDUCATION FACULTY OF TARBIYAH AND TEACHERS TRAINING STATE ISLAMIC UNIVERSITY OF NORTH SUMATRA MEDAN 2019
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By:
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Adviser I
Dr. Sholihatul Hamidah Daulay S.Ag M.Hum
NIP. 197506222003122002

Adviser II
Utami Dewi, S.Pd., M.Hum
NIP. 19540203 1982032 2 001

DEPARTMENT OF ENGLISH EDUCATION
FACULTY OF TARBIYAH AND TEACHERS TRAINING
STATE ISLAMIC UNIVERSITY OF NORTH SUMATRA
MEDAN
2019
ABSTRACT

Name: Dwi Farroh Zuhainah
Nim: 34.15.4.163
Faculty/Department: Faculty of Tarbiyah Science and Teacher Training
Adviser I: Dr. Sholihatul Hamidah Daulay, S.Ag M.Hum
Adviser II: Utami Dewi, S.Pd., M.Hum
Title: The Effect of Fishbone Strategy on Students’ Ability in Writing Analytical Exposition Text at Mas Jamiyatul Al-Wasliyah Tembung.

Skripsi, Medan: Department of English Education, Faculty of Tarbiyah Science and Teachers Training, State Islamic University of North Sumatera, Medan 2019.

Keywords: Fishbone Strategy, Students’ Ability in Writing Analytical Exposition Text

This research was intended to find out the empirical evidence of the students’ ability in writing Analytical exposition text by using Fishbone Strategy at the tenth grade of MAS Jamiyatul Al-Wasliyah Tembung. This research was experimental research. The population of this research was all students of class X of MAS Jamiyatul Al-Wasliyah Tembung. The samples of this research were taken from 30 students of experimental group (class X-1) and 30 students of control group (class X-2). The instrument for collecting data was a test. After analyzing the data, the writer got; (1) The students’ ability in writing analytical exposition text by Fishbone Strategy got the mean 77.40 and standard deviation was 7.21; (2) The students’ ability in writing narrative paragraph by using Discussion Method got the mean 66.63 and standard deviation was 7.23. The value of t_{observed} was 7.748 and that of t_{table} was 1.671. So the value of t_{observed} was higher than that of t_{table}. It means that there was significant effect of using Fishbone Strategy on students’ ability in writing analytical exposition text.
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ACKNOWLEDGMENT

In the name of Allah, the Beneficent, the Merciful. Praise and Gratitude be to Allah for giving the strength and guidance to the writer, so that this skripsi can be finished accordingly. Peace and blessing be upon the Prophet Muhammad Shallallaahu ‘alaihi wa salaam, his family, his relatives, and all his followers.

The writing of this skripsi entitled “The Effect of Fishbone Strategy on Students’ Ability in Writing Analytical Exposition Text at the Tenth Grade of MAS Al-Jamiyatul Al-wasliyah Tembung in 2018/2019 Academic Year”. This skripsi is written to fulfill one of the requirements to obtain the Sarjana Pendidikan degree at the Department of English Education, Faculty of Tarbiyah and Teachers Training, State Islamic University of North Sumatera.

The writing this skripsi is actually a miracle for me since it was firstly regarded as a task would be very hard to do. However, it has now been denied since this skripsi has finally been written. Then, I would like to thank Allah Subhaanahu Wa Ta’ala for His Blessing given to me so that the writing of this skripsi has been finished without any meaningful problem. Additionally, the writer is grateful to the following for their supports and helps.

1. Dr. Amirruddin Siahaan, M.Pd as the Dean of Faculty of Tarbiyah and Teacher Training State Islamic University of North Sumatera.
2. Dr. Sholihatul Hamidah Daulay, S.Ag, M.Hum the Head of English Educational Department and my first advisor who has given suggestion, correction, beneficial opinion and encouragement in process of writing this skripsi.
3. Utami Dewi, S. Pd, M. Hum as my second advisor who has also given suggestion, correction, beneficial opinion and encouragement in process of writing this skripsi.
4. All lecturers in the English Department for teaching precious knowledge, sharing philosophy of life, and giving wonderful study experience.
5. The principal of MAS al-jamiyatul Al-wasliyah Tembung, English teacher and all students of X-1 and X2 class who helped the writer during the research.

6. My beloved parents Irawan BE and Juriah Siregar M.Pd who always give me support, advice, motivation, help, goodness, care, and all things that I need to finish my study.

7. My beloved sisters Irvi Oktanisa and Putri Maulani Arsi who have supported me in completing my study at Faculty of Tarbiyah and Teachers Training, State Islamic University of North Sumatera.

8. All of my family in PBI-III, and especially for my dear classmates Nadya Nafissah, Lita Ayuningtyas, and Risca Tamara thank you so much for your support and motivation.

9. My best friends Rizky Maulana, Dimas Prasetyo, Tiara Dwi, Egi Rajis, and Mahendra Ilmi who always support each other, sharing the information, accompanied me, entertaining me, and be “crazy” with me until we can finish our final task together.

At last, this skripsi is far from being perfect, but it is expected that this skripsi will be useful not only for the writer, but also the readers. For these reasons, constructive thoughts, full suggestions, and critics are welcome to make this skripsi better.

Finally, may Allah Subhaanahu Wa Ta’ala receives all their work and kindesses.

Aamiin.

Medan, August 2019

The Writer

Dwi Farroh Zuhainah
NIM. 34.15.4.163
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CHAPTER I
INTRODUCTION

A. Background of Study

Writing is one of english skill which is very important to be mastered. It becomes important because writing is one way to communicate. Writing is the most powerful communication tool you will use today and for the rest of your life. You will use it to share your thoughts and ideas with others and even to communicate with yourself.\(^1\) As it known, writing not easy. Among the skills, writing is must difficult skills to be learn, because its need hard thinking in producing ideas, words, sentences, and paragraph at the same time. English is also intensively used in international communication, in written as well as in spoken communication. In addition, many book of science and technology, art, and other publish issues are written in English. That mean we have to master writing because all the information relating to knowledge already achieved can be expressed by writing. So that, english learn from elementary level up to university.

In reality, students’ writing ability is relatively low, based on the writer’s experience during her teaching practice in senior high school and observation of the writer. The data showed that from 35 students only 5 students that pass the Minimum Competence Criteria (KKM) students; ability of such skill was quite low, especially in writing analytical exposition. Although, the theory of text was explained in several times, most of them were

hard to understand the content and showed the uninteresting feeling when teaching and learning process.

The writer found that there are some causes that make the students low in writing skill. The students are lack on vocabulary, structure, technique, literature, and ideas, even some of them in writing. They seldom practice to write but they don’t know how to start it, how to systematize the writing and organize the ideas. And the teacher just taught the theory and focus on grammar. Moreover, the students still have lack achievement in writing, the teacher still use the same method. So, the students did not get the enhancement.

Based on the researcher observation, the students were not interested and looked bored in English class, some of them noisy and did another activity, rather than paid attention and explanation to the teacher. Besides, the students were also passively involved in teaching and learning process.

The condition of students’ ability in writing skills was supported by the teacher statement, she said, “Kemampuan siswa-siswi di sekolah ini dalam hal menulis memang masih kurang apalagi dalam menganalisa teks, mereka terkadang masih bingung ketika disuruh untuk menganalisa meskipun mereka tahu topiknya. Itu mungkin disebabkan oleh minimnya vocabulary siswa-siswi dan strategi yang itu-itu saja membuat mereka dalam menulis banyak melakukan kesalahan dan sulit menemukan ide-ide dalam menulis”. Teacher statement was supported by the one of the
student who has interview, She said “Kami sebenarnya kurang paham itu exposition apalagi disuruh untuk menganalisa kami bingung”.

To solve the problem the teacher need to find out the new strategy. There so many strategy which can use to make the students have better ability in teaching and learning process. One of them is fishbone strategy. By applying this strategy, it is get expectation to improve students’ ability in writing especially in writing analytical exposition text.

A fishbone diagram is type of graphic organizer the used to explore the many aspects or effects of a complex topic, helping the students to organize their thoughts in a simple, visual way. If the topic, and then obtaining more details on each of these ideas, use a fishbone diagram as your graphic organizer. The process of creating fishbone diagram helps the student focus on topic, requires the students to review what they already know in order to organize that knowledge, and helps point out the areas where the students must investigate more.

Fishbone strategy use to determine the casual relationships in a complex idea or event. This organizer helps students understand how a central theme can have numerous related ideas.\textsuperscript{2} It is an effective strategy for classroom management, focusing attention, and motivating students to increase participaation in learning. This strategy will motivate the students to concreate and make them easier to learn.

This strategy uses an orderly, easy-to-format the ideas. The students are able to focus the group on the big picture as possible causes or factors influencing the problem or need. And increase process of knowledge. So that, the writer thinks this strategy will answer the students’ difficulty in writing.

Based on the explanation above, the teacher must use the suitable and effective strategy to solve the students’ problem in writing ability especially in writing analytical exposition text. Therefore, the writer assumes that teaching by applying Fishbone Strategy will be effective to develop their writing ability, especially in writing analytical exposition.

Based on the above issues intend to conduct research on “The Effect of Fishbone Strategy on Students’ Ability in Writing Analytical Exposition at The Grade 10th Student of MAS Al-Jamiyatul Alwasliyah Tembung in Academic 2018/2019 year”.

B. The Identification of the Study

Based on the background of the study above, it could be found that there were some problems in English teaching and learning especially in writing ability at 10th grade of MAS Al-Jamiyatul Alwasliyah Tembung. They came from students and teachers’ factor:

1) One of the factors coming from the students concerned with the students’ low interest. It could see from the classroom situation.

2) Many of them seldom do the homework, some of them got sleepy and did not pay attention in the teaching-learning process.
3) Besides, the students’ writing ability of analysis exposition text was low. In writing, they often lacked of vocabularies, had a lot of mistakes, and lacked of ideas.

4) Furthermore, the factors coming from the teacher were the strategy that she used not support and interesting. So that the teaching-learning was bored.

C. Limitation of Problem

From the identification of the problem that occured in 10th grade of MAS Al-Jamiatul Alwasliyah Tembung above, it can be seen that there were many problems related to the students’ ability in learning writing. So, there are many strategies which can be used to help the teachers in teaching, especially in teaching writing. This study will focus on seeing the effectiveness of fishbone strategy to improve the students’ writing ability, mainly writing analytical exposition text.

D. The Research Problem

Based on the background of the study, the problem is formulated as follows:

Is there any significant effect of fishbone strategy on students’ ability in writing analytical exposition text?

E. The Objective of the Study

In line with the problem, yes there are any significant effect of fishbone strategy on students’ ability such as they are able to focus on the group of the
possible causes or factor that influence the problem or need and which can provide the students chance to be more active in classroom.

F. The Significance of the Study

The result of this study was expected to contribute either the theories or practices for:

1. Theoretically
   a. The researcher as reference to conduct the research related to fishbone writing strategy.
   b. The other researcher who want to conduct the same research in applying Fishbone strategy in teaching writing analytical exposition text.

2. Practically
   a. The english teacher as the source of learning to improve the students’ ability in writing analytical exposition text.
   b. The student get increasing the quality of writing analytical exposition text.
CHAPTER II
THEORETICAL REVIEW

A. Theoretical Framework

The conduct the research, there are some theories are needed to explain some concepts or term that applied in the research concerns. The concepts must be clarified to avoid ambiguity and misunderstanding. The following concepts are important to explain that the writer and the reader will have the same perceptions of them.

1. Ability

Students learn to increase their ability in any case and learn to live, because life is meaningless ‘without learning’. Writing ability refers to the students’ ability to engage in writing as a complex process of writing (pre-writing, drafting, revising, editing) and it’s finished product. Raison suggest that in introducing various written text types in teaching writing, teachers need to show the students not only preparing, drafting or revising stages but also editing in the process of writing.3

2. Writing

In the holy Al-Qur’an, writing also important skill should be learned and there is verse that state the existence of writing that be stated in Al-Qur’an. That is surah Al-Qalam:1

“Nun. By the pen and by what they (the angles) write (in the
Records
of men). (Al-Qalam:1)" 

Based on those verses, Allah SWT explained that He
taught human being by pen (qalam). Discovery of pen and writing are
the greatest gifts from God. By writing, one generation can transfer
their knowledge to the next generations. It shows the tool of writing
and writing itself have important roles. 

Writing is one of the ways of communication which is use express
idea, opinion, experience and information. Writing is linguistic competence
that is expressed in written form. It is a medium of communication which
represent by using the inscription of sign and symbol.

People do not quit of writing, not only for formal purposes such as for
work or study, but also they writing when send electronic messages for
other people, writing their diaries, or updating their status on media social.
Those are verifying that writing has become a need of human’s life.

- The Assessment of the Writting

In order to know the students’ ability in writing an analytical exposition
text, there are some criteria that must be considered, namely organization
(the generic structure of analytical exposition text) language use (the

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4 Departemen Agama RI Al-Qur’an Dan Terjemahanya, PT. SYGMA EXAMEDIA
ARKANLEEMA.P.564
5 M. Taquiddin Al-Hilali and M. Mukhsin Khan, (1996), The Noble Qur’an, (Madinah Maktaba
Darussalam), p.774
P.222.
linguistic features of analytical exposition) and mecchanic (preposition, articles, punctuation, capitalization, and spelling). These criteria as described specifically in scoring analytical exposition text as follows:

1. Audience and purposes
2. Organization
3. Elaboration
4. Use of language

3. **Kinds of Text**

Written text must have purpose; the information, messages or the ideas should sober in effective form (rhetorically structured, grammatical patterns). Genre covers in two distinctive dimensions in teaching and learning writing. First genre is a kind of text or writing work itself. It views that the language must be related to sosial function (a certain socil environment and place where and when the text is used). This will vary due to different context and situation. Second, genre as a process or strategy of how writing work is develop, taught and learned. This will guide the writer systematically in order to be able to produce the writing work itself.⁷

According Pardiyono, genre is a type of text that serves as a frame a reference so that a text can be written effectively: effective in terms of goals accurancy, the selection and arrangement of text elements,and

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precision in the use grammar. There are eleven types of text. They are description, recount, narrative, procedure, explanation, discussion, exposition (hortatory and analytical), news item, report, anecdote, and review.

4. Analytical Exposition

Exposition text is the appropriate type of the text so that opinion can be delivering effectively to the reader. Exposition text can be devided into two, analytical exposition (argue that something is in case) and hortatory exposition (to argue that something should be or ought to be).

Analytical exposition text is akind of text that argues something is the case. Analytical exposition like a descriptive argument, in which the writer main’s purpose is to persuade the reader to believe something by representing one side of the argument and doesn’t give suggestive argument.

1) The Rhetorical Structure of Analytical Exposition Text

a) Thesis- containing topic and brief statement of the writer’s position related to the topic.

b) Argument- describing the reality according to the writer’s opinion.

c) Conclusion – reiteration (restartement), restates speaker or writer’sposition.

---

2) The Grammatical Patterns of Analytical Exposition Text.
   
a) Focus on generic human and non-human.

b) Use of simple present tense.

c) Use of relational processes.

d) Use of internal conjunction to state argument.

e) Reasoning through causal conjunction or normalization.

3) The Example of Analytical Exposition Text.

   School

I think children should go to school. It is a place where they can learn, make friends and have fun.
If they don’t go to school children may never learn to read and write. This means that they might not get a good job or any job at all.
At school children can learn about lots of different things like math, science, famous people and different countries. At school you can also play sport and go on excursions to visit interesting places.
That’s why children should go to school.  

a) The Rhetorical Structure Text Analysis of “School”.

   The rhetorical structure of the text above can be formulated into thesis, argument, and conclusion as following:

1. **Thesis**, contains a writer’s statement of his/her position about a certain topic or problem.

---

a) I think children should go to school. It is place where they can learn, make friends and have fun.

2. **Argument**, contains description of facts to support his/her statement in the thesis.
   a) If they don’t go to school children may never learn to read and write. This means that they might not get a good job or any job at all.
   b) At school children can learn about lots of different things like math, science, famous people and different countries. At school you can also play sport and go on excursions to visit interesting places.

3. **Conclusion**, reiteration (restatement) restates or writer’s position.
   a) That’s why children should go to school.

The key to successful teaching and learning is to employ a wide variety of strategies. One of strategy on graphic organizer is Fishbone Strategy.

1. **Fishbone Strategy**

McKnight stated that fishbone also known as the cause and effect diagram or Isikawa diagram. It’s named after Japanese inventor, Kaoru Isikawa use the fishbone to determine the casual relationships in a complex
ideas or event. The organizer helps the students understand how a central theme can have numerous related ideas.

Fishbone strategy is a kind of strategy that uses cause and effect diagram introduced by Kaoru Ishikawa. It is called a fishbone diagram because the form of this diagram is like skeleton of a fish. It uses a diagram-based approach for thinking through all of the possible causes of a problem. This strategy helps people to carry out one problem through analysis of the situation. It will show the causes of a particular effect and the relationship between causes and effect each other.

To effectively use this graphic organizer, begin with result and then analyze the contributing causes. For the students to better understand the different components of this graphic organizer, model its use through large-group discussion prior to the students’ independent application.

Fishbone strategy (cause and effect diagram) is a tool that useful for identifying and organizing the known or possible causes of quality, or lack of

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it. The structure provided by the diagram helps the students think in very systematic way. It called fishbone diagram because of the way it’s looks:

a) Guiding Principles for Fishbone Strategy

Garvey argued fishbone strategy can help to construct some factors that are associated with a particular topic and show how they can relate together.\(^\text{11}\) This strategy is appropriate to use in writing analytical exposition text because analytical exposition text is one of the argumentative text. Fishbone strategy helps the students to determine the causes and the effect. The topic of this text will become the effect and the arguments are the possible causes of the effect.

There are four steps in implementing fishbone strategy. They are as followed:

1. Identity the main problem that will become the thesis of hortatory exposition text and put it on the head of the fishbone.
2. Identity the main factors that caused the problem and put it on the bone of the fish.
3. List the sub problems in each main factor.
4. Analyze the diagram and write text based on the diagram.

b) Advantages and Disadvantages’ of Fishbone Strategy

Gupta & Russ said that there are some advantages and disadvantages of using fishbone strategy. ¹²

a) The advantages are:

1. The fishbone strategy uses fishbone diagrams permit a thoughtful analysis to avoid any possible root causes for a need.

2. The fishbone strategy is easy to implement and creates an easy way to understand visual representation of the causes, categories of causes, and the need.

3. By using a fishbone strategy, the student are able to focus on the group of the possible causes or factor that influence the problem or need.

4. Even after the need has been addressed: the fishbone diagram shows many areas of weaknesses that can be revised.

b) The disadvantages of using fishbone strategy are:

1. The simplicity of the fishbone diagram may make it difficult to represent the truly interrelated nature of the problem and causes in some very complex situations.

2. Unless we have an extremely large space on which to draw and develop the fishbone diagram, we may find

that we are not able to explore the cause and effect relationships in as much detail as you would like to.

Based on statement above, fishbone is one of the strategies in teaching which can provide the students chance to be more active in classroom. It also focus on causes rather than symptoms of a problem and this diagram emphasizes group communication and brainstorming and mainly stimulates discussion.

5. Discussion Method

Discussion is one of the method of teaching in which the students will do discussion on learning. They will devide into some groups (group working) small or large groups. Discussion can provide the teacher with an opportunity to assess the students understanding a topic. The students were explore ideas thoroughly when they introduce their own observation and question.

1. Guiding principles for Discussion Method

1. Before discussion

a) Define the objectives of the discussion.

b) Explain the discussion format to the class.

c) Define terms and state assumptions.

2. During Discussion

a) Asking question.

b) Monitor students in group.

3. After Discussion
a) Teacher give comment and review about the result of group work.

b) Discuss the discussion activity.

2. Advantages Discussion Method

There are some advantages of implementation discussion method, they are:

1. Emphasis on learning instead of teaching

Discussion emphasizes pupil-activity in the form of discussion, rather than simply and lecturing by the teacher.

2. Participation by Everybody

In this method, everybody participates in the discussion, and therefore thinks and express himself.

3. Development of the Democratic Way of Thinking

Everybody cooperates in the discussion, and the ideas and opinions of everybody are respected. Thus, there is a development of democratic way of thinking arriving at decision.

4. Training in Reflective Thinking

Students, during the causes of discussion, get training in reflective thinking, which leads to deeper understanding of the historical problem under discussion.
B. The Relevant Studies

There are many researcher had applied Fishbone strategy in different field of their researchers. They proved the application of fishbone strategy had a good effect in learning process especially in teaching writing:

1) Nasir (2012) provided that the application of Fishbone strategy had a good effect in teaching English in Indonesia. A tool organizer for learning EFL reading. The students’ responses of attitudinal aspect revealed that the students felt easy in learning reading that could enhance their motivations to join reading class by using fishbone strategy because fishbone diagram accommodated important information from the text. He suggested that fishbone diagram be one of the tool organizers that is suitable to teach reading subject. Concerning the EFL reading curriculum, fishbone diagram is the most appropriate tool organizer for teaching cause-effect pattern organization. And he found that there is significant improvement from the students’ writing taught by fishbone method. 13

2) Listiani (2015) applied fishbone strategy in her experimental reasearch on the grade XI of SMAN 3 Mataram in academic year 2014/2015.14 She found that fishbone strategy gave asignificant effect in writing hortatory exposition text. There were two groups in this design,experimental group and control group. Data was analyzed by using t-test formula and t-table.


It strategy made the improvement of the students’ achievement in writing. The finding showed that t-test value was higher than t-table.

Related to above those researcher above, the writer study try to apply the same strategy, in order to identify the effect of implementation Fishbone strategy on students’ ability in writing analytical exposition text.

C. Conceptual Framework

Writing has been used for long time, and now days its very important to learn. In English, writing is one of four language skills (listening, reading, writing, and speaking). Writing is one of the important elements in learning process and it’s requires a good experience, time, strategy, opportunity, energy, training, hardwork, and special skill.

Writing is one of the fourth skills in teaching-learning process which should be mastered by the students. Through writing, the students can express and convey their ideas, feelings, intentions and informations each other. In writing there are some kinds of genre: one of them is analytical exposition text. For senior high school students, they are expected to be able to write various genres.

However, in English teaching and learning process, writing is considered the most difficult skill for students who have lack motivation to write. Students are less enthusiastic in writing, even some of them have some ideas on their mind how to write an analytical exposition text but they did not know how to express them in writing.

In this case, the students still cannot write a good analytical exposition text in accordance with its generic structure. They are still
having low comprehending to arrange sentences become a good text with the right structure. To solve those problem above, these are two techniques which can attract the students’ interest in writing activity. Namely fishbone strategy and discussion method.

Fishbone strategy is a tool that is useful for identifying and organizing the known or possible causes of quality, or the lack of it. It is called Ishikawa diagram or Fishbone diagram because of the way it looks. This strategy helps people to carry out one problem through analysis of the situation. It will show the causes of a particular effect and the relationship between causes and effect each other. And discussion method is doing discussion on learning. In this method, everybody participates in the discussion, and therefore thinks and expresses himself. Discussion can provide the teacher with an opportunity to assess the students understanding a topic. The students were explore ideas throughly when they introduce their own observation and question.

In this research the writer propes fishbone strategy because it can improve student ability in writing analytical exposition text. Fishbone strategy will be improved students’ ability in writing analytical exposition text. It helps the students to organize their writing by mapping their ideas before elaborating them. Besides that, it can encourage the students’ motivation in developing their writing skill because of the simplicity and easy writing technique.
So, that why fishbone strategy is an effective and optimal to be applied in order to increase students’ motivation, attention, and ability in writing analytical exposition text.

D. Hypothesis

Based on the explanation from theoretical Framework and Conceptual framework, the writer formulates an alternative hypothesis as follow:

$H_a$: There is significant on the students’ ability in writing analytical exposition text using fishbone strategy.

$H_0$: There is no a significant on the students’ ability in writing analytical exposition text using fishbone strategy.
CHAPTER III
RESEARCH METHOD

A. Research Design

This study was conducted by using experimental design. In order to find out the effect of fishbone strategy on students’ ability in writing analytical exposition text.

An experimental design is a scientific investigation in which the researcher manipulates one or more independent variables, controls any other relevant variables, and observers that effect of the manipulations on the dependent variable. In this study, there are two variables, fishbone strategy as independent variable and writing as dependent variable.

The sample was divided into two groups. They are experimental group that was taught by applying fishbone strategy and control group that was taught without fishbone strategy. Pre-test and post-test was give to both groups. The pre-test was give before treatment and post-test was give after the treatment.

Table 3.1 Research Design

<table>
<thead>
<tr>
<th>Group</th>
<th>P</th>
<th>Teaching</th>
<th>Po</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experimental</td>
<td>✓</td>
<td>Fishbone</td>
<td>✓</td>
</tr>
<tr>
<td>Group</td>
<td>Strategy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Control</td>
<td>✓</td>
<td>Discussion</td>
<td>✓</td>
</tr>
<tr>
<td>Group</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**B. Population and Sample**

1. **Population**

   Population is general region consists of: object or subject which have quality and specific characteristic that has been determined by the researcher to be studied to get the conclusions.\(^{16}\) The population of this research is the students of 2018/2019 academic year of Mas Al-Jamiatul Alwasliyah Tembung. Which consist of three classes. So, total of students is 90. The population can be seen in the table 3. 2.

**Table 3. 2.**

The Population of Research

<table>
<thead>
<tr>
<th>N</th>
<th>Class</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>o.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>X IPA 1</td>
<td>30</td>
</tr>
</tbody>
</table>

2. Sample

Sample is the part of number and characteristics possessed by the population. If population have a large mount and researchers have limitations to learn all thing that was exists in the population, the researcher can use a sample of the population and the conclusions can be applied to the population.\textsuperscript{17}

According to Arikunto, we can take the subject as sample between 10-15 % or 20-25% if the number of subject is large.\textsuperscript{18} The sample of this research are X-1 and X-2 which consist of 30 students per class. This sample taken by using simple random sampling technique. The sample can be seen in the table 3. 3.

\begin{tabular}{ccc}
2 & X IPA 2 & 30 \\
3 & X IPA 3 & 30 \\
\hline
Total & & 90 \\
\end{tabular}

\textsuperscript{17} \textit{Ibid.}, p. 118
\textsuperscript{18} Arikunto, Suharsimi, \textit{Procedure of research}, Jakarta: Rineka Cipta, 2002, p. 136
### Table 3.3.

**The Sample of Research**

<table>
<thead>
<tr>
<th>N</th>
<th>Class</th>
<th>Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>X IPA 1</td>
<td>30</td>
</tr>
<tr>
<td>2</td>
<td>X IPA 2</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>60</td>
</tr>
</tbody>
</table>

### C. The Instrument of Collecting Data

The instrument of collecting data is really important in every scientific research. In this research, the research used writing test as the instrument of collecting data and it was administered to both experimental and control groups. The writing test contained some instruction for guiding students to make an analytical exposition text. The writing test was given in order to find out the score of experimental and control group and to see whether the students’ writing ability after being taught using fishbone strategy in experimental group was significant or not.

### D. The Procedure of Collecting Data

1. **Pre-test**

   Pre-test was give to know how far the students’ ability in writing analytical exposition text before being taught by Fishbone strategy. The
pre-test will be given to both of groups (experimental group and control group). The students were asked to write an analytical exposition text.

2. Treatment

After giving the pre-test, the students were given the treatment. The experimental group receives the treatment through Fishbone Strategy, while the control group without treatment. The treatment was given to the experimental group.

3. Post-test

Post-test was given to both of the experimental and control group. After conducting the treatment in order to get the mean score between experimental and control group. Moreover, it purposes to know whether fishbone strategy has a significant effect on the students’ ability in writing explanation test or not.

Table 3.4
Procedure of Research in Experimental Group

<table>
<thead>
<tr>
<th>Teacher’s Activity</th>
<th>Students’ Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>The teacher greets the students</td>
<td>Students give response to the teacher</td>
</tr>
<tr>
<td>The teacher introduces and gives motivations related to the materials.</td>
<td>Students response.</td>
</tr>
<tr>
<td>The teacher gives an example of analytical exposition text (Laptop as a students’ friend) and explains to the students about social functions, generic structures, and grammatical features of analytical exposition text.</td>
<td>Students listen to the teacher</td>
</tr>
</tbody>
</table>
The teacher divides the students into some groups.

The Students sit in group.

The teacher asks them to make analytical exposition text based on the outline.

The students write an analytical exposition text.

The teacher asks them to share their writing to other groups.

The students present the analytical exposition in front of the class.

The teacher and the students discuss the final writing of analytical exposition text.

The teacher and the students conclude the lesson together.

Teacher give feedback and reinforcement to the students about analytical exposition text.

Students get feedback and reinforcement about Analytical exposition text from the teacher.

The teacher give motivation to the students who still get difficulties in writing analytical exposition text.

Students listen to the teacher.

Teacher tell the students to learn about analytical exposition text more at home.

Students response teacher.

Teacher closes the meeting by saying goodbye.
E. Technique of Collecting Data

Collecting of the data was analyze by using some procedure:

a. Checking the students’ answer
b. Identifying the students’ answer
c. Scoring the students’ answer based on the correct and wrong answer
d. Listing the score into different table between experimental and control group
e. Calculating the total score of post-test
f. Finding the mean score of pre-test and post-test
g. Finding the standard deviation
h. Testing hypothesis by applying T-test

H. The Technique of Analyzing Data

In this research the data was form experimental and control group.

The data will be analyzed with “t-test for independent sample”.

The procedures of analyzing the data as the follow:

1. Score the pre-test of experimental and control group.
2. Score the post-test of experimental and control group.
3. Compare the mean of two groups
4. Analyze the data by using t-test formula.

T-test formula is:

\[ t = \frac{\bar{x}_1 - \bar{x}_2}{\sqrt{\left(\frac{(n_1-1)s_1^2 + (n_2-1)s_2^2}{(n_1+n_2)}\right) \frac{n_1+n_2}{n_1+n_2-2}}} \]
Where:
\( t \): the value of \( t \) observed
\( X_1 \): the mean of experimental group
\( X_2 \): the mean of control group
\( \Sigma X_1 \): the sum of students scores in post test experimental
\( \Sigma X_2 \): the sum squared of students scores in post test experiment
\( N_1 \): the total numbers of experimental group
\( N_2 \): the total number of control group

**G. The Statistical Hypothesis**

The statistical hypothesis of this study was formulated from hypothesis which is symbolized as the following:

\[ H_0 : \mu x 1 = \mu x 2 \]
\[ H_a : \mu x 1 < \mu x 2 \]

Where:
\( H_0 \): alternative Hypothesis
\( H_a \): Null Hypothesis
\( \mu \): mean of population
\( x \): mean of sample
CHAPTER IV
DATA ANALYSIS AND RESEARCH FINDINGS

A. The Data

The research had been conducted since July 5th of 2019 to August 8th of 2019. They involve pre-test, twice times treatment and post-test. To find out the effect of using Fishbone Strategy, the researcher identified some result, they are: The score of students before treatment, the differences between pre-test and post-test score of students and from the differences of students’ atmosphere between the students who are taught by using Fishbone and the students who are not taught by using fishbone in teaching and learning process, they are in teaching writing skill, especially in MAS Al-Jamiyatul Al-Wasliyah Tembung.

The researcher did an analysis of quantitative data. The data is obtained by giving test to experimental class and control class after giving a different treatment both classes. The subjects of this research were divided into two classes. They are experimental class (XI-IPA 1) and control class (XI IPA 2).

Data of the students’ achievement in reading comprehension was taken from the test result which has given to 60 students of MAS Al-Jamiyatul Al-Wasliyah Tembung: 30 students from XI-IPA 1 as experiment class and students from XI-IPA 2 as control class. Here the score that showed the result test for experiment class (XI-IPA 1) which taught by using Fishbone Strategy and control clas (XI-IPA 2) taught by using Discussion Method.
Table 4.1
Research Result Data Pre-Test

<table>
<thead>
<tr>
<th>Statistic Source</th>
<th>Group of Learning</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Experimental Class</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>(Fishbone Strategy)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>30</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>\bar{x}</td>
<td>51.33</td>
<td>52.533</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>9,746</td>
<td>7.200</td>
<td></td>
</tr>
</tbody>
</table>

Research Result Data Post -Test

<table>
<thead>
<tr>
<th>Statistic Source</th>
<th>Group of Learning</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Experimental Class</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>(Fishbone Strategy)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>30</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>\bar{x}</td>
<td>77.400</td>
<td>66.33</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>7.281</td>
<td>7.067</td>
<td></td>
</tr>
</tbody>
</table>

From the data were collected the lowest score of pre-test was 40, and the highest score of pre-test was 66 and the mean of pre-test was 51.33. On the other hand the lowest score of post-test was 66, and the highest score of post-test was 88 and the mean of post-test was 77.40. Whereas in control group, showed the lowest score of pre-test was 44, and the highest score of pre-test was 66 and the mean of pre-test was 52.53. On the other hand the lowest score of post-test was 56, and the highest score of post-test was 76 and the mean of post-test was 66.33. (See Appendix I, J).

Based on the explanation above, it shows that the student’s score in experimental group was higher than student’s score in control group, where in
pre-test (53.46) and the score in post-test (77.26). The total score of the mean score in experimental and control group showed that there was significant effect in improvement of student’s score between pre-test and post-test.

B. Description of the Data

1. The Students’ Ability in Writing Analytical Exposition Text by Using Fishbone Strategy

The students’ Achievement in reading comprehension of pre-test of the experiment class (XI-IPA 1) show the lowest score 40 and the highest score is 66. The students’ achievement in reading comprehension of post-test of the experiment class (XI-IPA 1) show the lowest score is 66 and the highest score is 88. The complete data about the students’ ability in writing skill by using fishbone strategy see on the following table:

Table 4.2

The List of Pre-Test and Post-Test Scores of Experiment Class

<table>
<thead>
<tr>
<th>NO</th>
<th>Initial Name</th>
<th>Pre Test</th>
<th>Post Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AMP</td>
<td>66</td>
<td>80</td>
</tr>
<tr>
<td>2</td>
<td>AD</td>
<td>44</td>
<td>80</td>
</tr>
<tr>
<td>3</td>
<td>ADH</td>
<td>40</td>
<td>80</td>
</tr>
<tr>
<td>4</td>
<td>AS</td>
<td>50</td>
<td>88</td>
</tr>
<tr>
<td>5</td>
<td>BS</td>
<td>40</td>
<td>76</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>DPA</td>
<td>46</td>
<td>78</td>
</tr>
<tr>
<td>7</td>
<td>DPS</td>
<td>50</td>
<td>66</td>
</tr>
<tr>
<td>8</td>
<td>ES</td>
<td>66</td>
<td>78</td>
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<td>FR</td>
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<td>66</td>
</tr>
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<td>10</td>
<td>IAA</td>
<td>66</td>
<td>80</td>
</tr>
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<td>K</td>
<td>50</td>
<td>80</td>
</tr>
<tr>
<td>12</td>
<td>LS</td>
<td>40</td>
<td>66</td>
</tr>
<tr>
<td>13</td>
<td>LS</td>
<td>50</td>
<td>78</td>
</tr>
<tr>
<td>14</td>
<td>M</td>
<td>66</td>
<td>88</td>
</tr>
<tr>
<td>15</td>
<td>MH</td>
<td>50</td>
<td>80</td>
</tr>
<tr>
<td>16</td>
<td>M</td>
<td>44</td>
<td>80</td>
</tr>
<tr>
<td>17</td>
<td>MARH</td>
<td>50</td>
<td>88</td>
</tr>
<tr>
<td>18</td>
<td>MIS</td>
<td>40</td>
<td>78</td>
</tr>
<tr>
<td>19</td>
<td>NAMS</td>
<td>44</td>
<td>66</td>
</tr>
<tr>
<td>20</td>
<td>N</td>
<td>66</td>
<td>78</td>
</tr>
<tr>
<td>21</td>
<td>NIB</td>
<td>40</td>
<td>66</td>
</tr>
<tr>
<td>22</td>
<td>PESN</td>
<td>50</td>
<td>66</td>
</tr>
<tr>
<td>23</td>
<td>RA</td>
<td>50</td>
<td>78</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
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</tr>
<tr>
<td>24</td>
<td>RNF</td>
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<td>80</td>
</tr>
<tr>
<td>25</td>
<td>RA</td>
<td>66</td>
<td>78</td>
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<td>26</td>
<td>SS</td>
<td>40</td>
<td>66</td>
</tr>
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<td>27</td>
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<td>50</td>
<td>88</td>
</tr>
<tr>
<td>28</td>
<td>SM</td>
<td>66</td>
<td>80</td>
</tr>
<tr>
<td>29</td>
<td>SN</td>
<td>50</td>
<td>78</td>
</tr>
<tr>
<td>30</td>
<td>SR</td>
<td>66</td>
<td>88</td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean</td>
<td>51,333</td>
<td>77,400</td>
</tr>
<tr>
<td>SD</td>
<td>9,746</td>
<td>7.281</td>
</tr>
<tr>
<td>Variant</td>
<td>94,988</td>
<td>53.007</td>
</tr>
</tbody>
</table>

2. **The Students’ Ability in Writing Analytical Exposition Text by Using Discussion Method**

The students’ Ability in writing skill of pre-test of the control class (XI-IPA 2) show the lowest score 44 and the highest score is 66. The students’ ability in writing skill in of post-test of the control class (XI-IPA 2) show the lowest score is 56 and the highest score is 76. The complete data about the students’ ability in writing skill by using fishbone strategy see on the following table:
Table 4.3

The List of Post-Test and Post-Test Scores of Control Class

<table>
<thead>
<tr>
<th>NO</th>
<th>Initial Name</th>
<th>Pre Test</th>
<th>Post Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AIN</td>
<td>50</td>
<td>68</td>
</tr>
<tr>
<td>2</td>
<td>AAY</td>
<td>50</td>
<td>66</td>
</tr>
<tr>
<td>3</td>
<td>AAL</td>
<td>48</td>
<td>60</td>
</tr>
<tr>
<td>4</td>
<td>BDP</td>
<td>44</td>
<td>66</td>
</tr>
<tr>
<td>5</td>
<td>CSH</td>
<td>56</td>
<td>60</td>
</tr>
<tr>
<td>6</td>
<td>DP</td>
<td>56</td>
<td>68</td>
</tr>
<tr>
<td>7</td>
<td>DF</td>
<td>60</td>
<td>76</td>
</tr>
<tr>
<td>8</td>
<td>DHL</td>
<td>48</td>
<td>66</td>
</tr>
<tr>
<td>9</td>
<td>EWN</td>
<td>48</td>
<td>56</td>
</tr>
<tr>
<td>10</td>
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</tr>
<tr>
<td>11</td>
<td>FA</td>
<td>50</td>
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</tr>
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<td>IFIS</td>
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<td>56</td>
</tr>
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<td>13</td>
<td>KAL</td>
<td>56</td>
<td>66</td>
</tr>
<tr>
<td>14</td>
<td>LAN</td>
<td>50</td>
<td>76</td>
</tr>
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<td>15</td>
<td>M</td>
<td>50</td>
<td>76</td>
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<tr>
<td>16</td>
<td>MA</td>
<td>50</td>
<td>66</td>
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<tr>
<td></td>
<td>Abbreviation</td>
<td>Value 1</td>
<td>Value 2</td>
</tr>
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<td>18</td>
<td>MRR</td>
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<td>27</td>
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</tr>
<tr>
<td>28</td>
<td>SS</td>
<td>44</td>
<td>66</td>
</tr>
<tr>
<td>29</td>
<td>SRAL</td>
<td>66</td>
<td>76</td>
</tr>
<tr>
<td>30</td>
<td>S</td>
<td>66</td>
<td>76</td>
</tr>
</tbody>
</table>

**Mean**  52.533    66.33
**SD**  7.200    7.06
**Variant**  51.843    49.954
C. Data Analysis

1. Analysis Requirement Testing

In this activity, the researcher explained about narrative text. The researcher asked the students to read a narrative text, so they could comprehend a text. The purpose of this activity was to measure the students’ reading comprehension.

After implementing the test, the researcher assessed the result of the students’ reading. From the result she could calculate mean, variant, standard deviation, standard error mean of the score of the students’ reading result used the following:

a. Normality Testing

Normality testing was used to determine whether was normal or no, the result of the normality testing is described below. (See Appendix H)

<table>
<thead>
<tr>
<th>Data</th>
<th>A</th>
<th>L</th>
<th>L_t</th>
<th>Conclusion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Test</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Experimental</td>
<td>0</td>
<td>0</td>
<td>.288</td>
<td>Normal</td>
</tr>
<tr>
<td>Control Class</td>
<td>0</td>
<td>.05</td>
<td>1618</td>
<td>Normal</td>
</tr>
</tbody>
</table>

From the table above, I can be seen $L_0 = 0.225$ significant and $L_t = 0.1618$. it can be concluded that the data distribution was normal. So, it can be concluded that the data of the students’ achievement reading comprehension is normal.
Normality Testing

<table>
<thead>
<tr>
<th>Data</th>
<th>A_{obs}</th>
<th>L_{obs}</th>
<th>L_{table}</th>
<th>Conclusion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experimental</td>
<td>0</td>
<td>0.05</td>
<td>0.194</td>
<td>1618</td>
</tr>
<tr>
<td>Control</td>
<td>0</td>
<td>0</td>
<td>0.184</td>
<td>1618</td>
</tr>
</tbody>
</table>

From the table above, I can be seen \( L_0 = 0.225 \) significant and \( L_t = 0.1618 \). it can be concluded that the data distribution was normal. So, it can be concluded that the data of the students’ achievement reading comprehension is **normal**.

b. Homogeneity Testing

**Table 4.5**

<table>
<thead>
<tr>
<th>Data</th>
<th>( F_{obs} )</th>
<th>( F_{table} )</th>
<th>Conclusion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experimental</td>
<td>1.53</td>
<td>1.679</td>
<td>Homogenous</td>
</tr>
<tr>
<td>Control</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

From data above \( F_{obs} = 1.53 \) is compared with \( F_{table} \) is determined at real \( \alpha = 0.05 \) and the same numerator \( dk = N-1 = 30-1 \) that was exist \( dk \) numerator 29, the denominator \( df = n-1 \) (30-1= 29). Then \( F_{table} \) can be calculated \( F(0.05=1.679) \). So \( F_{obs} < F_{table} \) or \( (1.53<1.679) \) so it can be concluded that the variant is **homogenous**.
### Experimental Class

<table>
<thead>
<tr>
<th>Data</th>
<th>$F_{\text{obs}}$</th>
<th>$F_{\text{table}}$</th>
<th>Conclusion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>1.06</td>
<td>1.679</td>
<td>Homogenous</td>
</tr>
</tbody>
</table>

From data above $F_{\text{obs}} = 1.06$ is compared with $F_{\text{table}}$ is determined at real $\alpha = 0.05$ and the same numerator $dk = N-1 = 30-1$ that was exist $dk$ numerator 29, the denominator $df = n-1$ (30-1=29). Then $F_{\text{table}}$ can be calculated $F(0.05=1.679)$. So $F_{\text{obs}} < F_{\text{table}}$ or $(1.06<1.679)$ so it can be concluded that the variant is **homogenous**.

### 3. Hypothesis Testing

#### Table 4.4

<table>
<thead>
<tr>
<th>Data</th>
<th>$T_{\text{obs}}$</th>
<th>$T_{\text{table}}$</th>
<th>Conclusion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experimen tal Class</td>
<td>7.748</td>
<td>1.671</td>
<td>There is significant effect of using fishbone strategy on the students’ ability writing</td>
</tr>
</tbody>
</table>

Control Class
The result of hypothesis of this study can be shown from the table below:

From the computation above, it can be seen that \( t_{\text{obs}} = 7.748 \) and \( t_{\text{table}} = 1.671 \), \( t_{\text{obs}} > t_{\text{table}} \). This means that the hypothesis is accepted on the level of significant 0.05. The meaning of this result is that the students’ who were taught by using fishbone strategy is better than discussion method in teaching writing skill. After the scores were calculated, it was found that in his study the \( t_{\text{obs}} \) is higher than \( t_{\text{table}} \). It can be seen as follow:

\[
t_{\text{obs}} > t_{\text{table}} (\alpha = 0.05) \text{ with df 60}
\]

\[
7.748 > 1.671
\]

From the result above, it showed that the alternative hypothesis \( (H_0) \) was rejected. (See Appendix I)

So, the hypothesis testing in this research, it is used two average similarity test by using statistic, as follow:

Where:

- \( \bar{X}_1 \) = average value of sample group owning highest
- \( \bar{X}_2 \) = average value of sample group owning lowest score
- \( S = \) Merger deviation

\[
S^2 = \frac{(n_2 - 1)S_1^2 + (n_2 - 1)S_2^2}{n_1 + n_2 - 2}
\]

- \( n_1 = 30 \)
- \( n_2 = 30 \)
- \( \bar{X}_1 = 77.400 \)
- \( \bar{X}_2 = 66.333 \)
- \( (S_1^2) = 53.007 \)
- \( (S_2^2) = 49.954 \)
\[ s^2 = \frac{(30-1)53.007 + (30-1)49.954}{30+30-2} \]
\[ s^2 = \frac{(29)53.007 + (29)49.954}{30+28} \]
\[ s^2 = \frac{1537.203 + 1448.266}{58} \]
\[ s^2 = \frac{2985.869}{58} = 51.480 \]
\[ S = \sqrt{51.480} = 7.174 \]

\[ t = \frac{\bar{x}_1 - \bar{x}_2}{\sqrt{\frac{1}{n_1} + \frac{1}{n_2}}} \]
\[ t = \frac{77.400 - 66.333}{\sqrt{\frac{1}{30} + \frac{1}{30}}} \]
\[ t = \frac{11.067}{\sqrt{0.0666}} \]
\[ t = 14.334 \]
\[ t = 7.174(0.2580) = 7.748 \]

The coefficient of \( t_{\text{observation}} = 7.748 \) was compared with \( t \) table, where the coefficients of \( t \) table for real level \( \alpha = 0.05 \) with \( dk = 30+30-2=58 \) gained the coefficients of \( t_{\text{table}} = \) in the coefficient of \( t_{\text{observation}} (7.748) > t_{\text{table}} (1.671) \). It showed that \( t \) table is in zero hypothesis rejection (Ho). Thus, the alternative hypothesis (Ha) was accept. It mean that the alternative hypothesis that there is significant of the students’ achievement in writing analytical by using fishbone strategy was accepted.

D. Research Finding

The main problems of this research is the students’ ability in writing analytical taught by using fishbone strategy. This strategy have a positive effect for the students’ ability in writing skill. The result of this research shows that the average result of the test of the students’ ability in writing skill by using fishbone strategy is higher than the average of the test of the students’ achievement in writing skill without using fishbone. This indicate that
application of using fishbone are proven more effective to increase the students’ ability in writing skill. The hypothesis above explains that there is a significant to the effect using fishbone strategy on the students’ ability in writing skill. Finally, the students that taught by using fishbone strategy get higher achievement that the students’ that are taught by using discussion method.

E. Discussion

It was explained in Chapter II that Fishbone Strategy could be an effective way in students’ ability in writing analytical exposition text. The students’ can write the analytical exposition text by following the Fishbone strategy steps that could guide the based on the generic structure of analytical exposition text help by the fishbone strategy graphic organizer. There was a significant difference on the students’ achievement in writing analytical exposition text between both groups. The students that were taught by using Fishbone Strategy had higher scores than the students that were taught by Discussion Method. Fishbone strategy helped the students to build a good thinking about some phenomenon surrounding them. And create an outline then the students developed that outline to a good writing of an analytical exposition text.

The scores of the students’ pretest either in experimental group or control group is far from enough for KKM. The KKM is 60. After the treatment of Fishbone strategy was given to experimental group and discussion method to control group, it could be seen that there was an increasing score of the students. Almost of the students’ can pass the KKM. It can be concluded that Fishbone strategy was succes in increasing the students’ score.

The application of fishbone strategy and discussion strategy in writing analytical exposition text were different. In the application of Fishbone strategy, students were required to write the text in the Fishbone graphic organizer. The graphic organizer can
assist them to write the argument neatly. Meanwhile in the application of discussion method, the students tried to listen to the teacher’s explanation about the analytical exposition text based on generic structure and social function. This made them found difficulties because they only listen to the teacher explanation then they tried to write their own text.

As the explanation above, it can be concluded that the defferences in the use of Fishbone strategy was influenced than the use of Discussion method in improving students’ writing achievement.

Some previous researchers also had conducted Fishbone strategy to teach writing ability. Nasir (2012) provided that the application of Fishbone strategy has good effect in teaching English in Indonesia: a tool organizer for learning EFL reading. This study involved twenty elementary school teacher education students of State Islamic Institute Lampung by employing descriptive qualitative design to describe natural or man-made educational phenomena. The students’ responses of attitudinal aspect revealed that the students felt easy in learning reading that could enhance their motivations to join reading class by using fishbone strategy because fishbone diagram accommodated important information from the text. It is suggested that fishbone diagram be one of the tools organizers that is suitable to teach reading subject. Concerning EFL reading Curriculum, fishbone diagram is the most appropriate tool organizer for teaching cause-effect text pattern organization.

Listiani (2015) applied Fishbone strategy in her experimental research on the grade XI of SMAN 3 Mataram in academic year 2014/2015. She found that fishbone strategy gave a significant effect in writing hortatory exposition text. There were two groups in this design, experimental group and control group. Data was analyzed by using t-test formula
and t-table. It strategy made the improvement of the students’ ability in writing. The finding showed that t-test value was higher than t-table.

Based on the explanation, it can be concluded that Fishbone writing strategy has significantly affected students’ writing. This strategy was effective to improve writing ability not only in a kind of text, but to some genre of text.
CHAPTER V

CONCLUSION AND SUGGESTION

A. Conclusion

From the data obtained it is seen that the result of the students’ ability in writing analytical exposition text by using Fishbone Strategy is higher than that by using discussion at the tenth grade of MAS Al-Jamiatul Al-wasliyah Tembung.

Fishbone Strategy is significant to be used in improving the students’ ability in writing analytical exposition text. The result of $t_{\text{observed}}$ is 7.748. $t_{\text{table}}$ is 1.67 ($t_{\text{observation}} (7.748) > t_{\text{table}} (1.671)$). It means that $H_0$ is rejected and $H_a$ is accepted. There is a significant effect of fishbone strategy on the students’ ability in writing analytical exposition.

B. Suggestion

Based on the conclusion above, the researcher gives some suggestions as follows:

1. To the principal of MAS Al-Jamiatul Al-Wasliyah Tembung to motivate the teachers, especially English teacher to teach the students by using fishbone strategy, because the method is effectively increase the students’ ability in writing analytical exposition text.

2. To the English teacher to use fishbone strategy or one of the alternative method or strategy to increase the student’s ability in writing analytical exposition text in English learning.
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APPENDIX A

Pre -Test

STUDENT WORKSHEET

1. Write your name, class, and student number on the top corner of your answer sheet.

2. You are expected to write an analytical exposition text about “the important of learning english” based on your knowledge.

3. Time allotment is 60 minutes.

   Good Luck!
Post -Test

STUDENT WORKSHEET

1. Write your name, class, and student number on the top corner of your answer sheet.

2. You are expected to write an analytical exposition text about “Rainbow” based on your knowledge.

3. Time allotment is 60 minutes.

Good Luck!
APPENDIX B

KEY ANSWER OF PRE TEST

The Important of Learning English

It is well-known that language is the means by which we share our thoughts and ideas with others: it is our primary source of communication. There are thousands of languages in the world, but it is impossible for a person to learn them all so if people who speak different languages want to speak to each other, they need a language they both know. Here is where learning English becomes a “must”, basically, because it has become the international language of education and business, not to mention science and technology. Read on to discover other reasons why learning English is so important in today’s globalized world.

- For the millions of tourists or immigrants from non-English speaking countries who visit other countries every year, learning how to communicate in English is essential to move about: ask for help, have a conversation, lead an active social life enjoying activities typical of the community they are visiting.

- Being able to understand English gives you access to all kind of resources whatever your interests are, music, science, art, sports, business, etc. The primary language of the information age we live in is English: not only in the World Wide Web, in social media networks, in the most important websites, but also in software manuals and guides, and in entertainment devices.

- English is a vital part of success to enter a global workforce in the corporate world. If you know English your chances to get a better job locally or abroad are greater. Companies that have customers in different non-speaking countries rely on English as a means of communication so they need English speaking staff to increase their opportunities of getting better contracts or of getting the best partners anywhere in the world.
English is the language of the most important universities in the world: it is regarded as the language of higher education, so if you want to study in one of those: Cambridge, Oxford, MIT, Harvard, etc. you will need to learn English to pass the English test that gives you access.

There are thousands of languages in the world, but it is impossible for a person to learn them all so if people who speak different languages want to speak to each other, they need a language they both know.

Cause
Learning English becomes a “must”, basically, because it has become the international language of education and business, not to mention science and technology. Read on to discover other reasons why learning English is so important in today’s globalized world.

Conclusion
Besides being useful, English can give you a lot of satisfaction: it will make you feel great when you realize you can progress, maybe slowly but steadily.
Rainbow

Rainbow is a natural phenomenon that is so impressive. This phenomenon often appears after rain. Rainbow is an arc spectrum which is so large and occurs because the drops are refracted by sunlight. When the sun is shining and the light passing through water droplets, then you will see a refraction that causes a wide variety of colors. Light is refracted like light passing through a glass prism. Other names of the rainbow is a rainbow which is a symptom of optical and meteorological phenomenon in which light with different colors refracted parallel to each other into water droplets. You can also see this phenomenon under the very high and heavy waterfall.

How does rainbow happen in detail? All the happenings begin when the sunlight passing through the raindrops. Then the light is deflected to the center of the droplet. The white light, now separated from each other into a spectrum of colors. The process does not stop there. The colors that have been separated, then separate again into the very small portions. There is more light separated from each other in the droplets. Then there are more curved and finally those color form a light curve called a rainbow. Can we make a rainbow? Of course. There are at least two ways that you can do to make a rainbow. First, you can use a spray containing water. We know that rainbows occur when sunlight passing through the raindrops. So, we make our own rain droplets from the water spray. In the morning or afternoon, spray water under the sun, then see the water droplets flying. Spray lots of water and you will see a small rainbow that you can touch easily. Second, use pieces of video discs then reflected to the light of the sun, and navigate to the wall or ceiling of your house. On the ceiling or the wall, you will see a colorful light that have the same color with the rainbow.

That’s the definition of rainbow, how does it happen, and how we can make it true.
**Effect / Problem**

This phenomenon often appears after rain. Rainbow is an arc spectrum which is so large and occurs because the drops are refracted by sunlight. When the sun is shining and the light passing through water droplets, then you will see a refraction that causes a wide variety of colors.

**Cause**

How does rainbow happen in detail? All the happenings begin when the sunlight passing through the raindrops. Then the light is deflected to the center of the droplet. The white light, now separated from each other into a spectrum of colors. The process does not stop there. The colors that have been separated, then separate again into the very small portions. There is more light separated from each other in the droplets. Then there are more curved and finally those color form a light curve called a rainbow.

**Conclusion**

That’s the definition of rainbow, how does it happen, and how we can make it true.
APPENDIX C

LESSON PLAN I
(Experimental Group)

School : Mas Al-Jamiyatul Alwasliyah Tembung
Subject : English
Class / Semester : X / 2
Text : Analytical Exposition Text
Skill : Writing
Time : 1 x 45 Minutes
Meetings : I

A. Core Competence

KI 1 : Living and practicing the teachings of his religion.

KI 2 : Living and practicing honest behavior, discipline, responsibility, caring (mutual cooperation, cooperation, tolerance, peace), courtesy, responsiveness and pro-active and showing attitude as part of the solution to various problems in interacting effectively with the social environment and nature and in placing themselves as a reflection of the nation in world association.

KI 3 : Understand, apply, analyze factual, conceptual, procedural knowledge based on their curiosity about science, technology, art, culture, and humanities with humanity, nationality, state and civilization insights related to the causes of phenomena and events, and apply procedural knowledge in a specific field of study according to their talents and interests to solve problems.

KI 4 : Processing, reasoning, and presenting in the concrete and abstract realms related to the development of what he learned in school independently, and being able to use methods according to scientific rules.
B. Basic Competence

**KD 3.10**: Analyzing social functions, text structures, and linguistic elements from analytical exposition texts on topics that are commonly discussed, in accordance with the context of their use.

**KD 4.14**: Captures the meaning in analytical exposition texts on topics that are commonly discussed.

C. Indicator

**3.10.1** Identify simple present tense and conjunctions of analytical exposition text.

**3.10.2** Describe simple present tense and conjunctions of analytical exposition text.

**4.14.1** Arrange analytical exposition text.

D. Learning Objective

At the end of this subject, the students are expected to be able to write a text based on the grammatical features of analytical exposition text.

E. Learning Material

1. Analytical exposition text
   - Definition: a text that elaborate the writer’s idea about the phenomenon surrounding.
   - Social Function
     - To persuade the reader or listener that there is something that, certainly, needs to get attention.
     - To analyze a topic and to persuade the reader that this opinion is correct and supported by arguments.
2. Generic Structure
   - Thesis: Introduces the topic and shows speaker or writer’s position, outlines of the arguments to be presented.
   - Arguments: It consists about point and elaboration point, states the main argument. Elaboration develops and supports each point of argument.
   - Conclusion: reiteration (restatement), restates speaker or writer’s position.

3. Language Features
   - Focus on generic human and non-human participants.
   - Use mental processes. It is used to state what the writer or speaker thinks or feels about something, for example: realize, feel, etc.
   - Need material processes. It used to state what happens, for example: has polluted, etc.
   - Use of simple present tense
   - Use of relationbal processes.
   - Use of internal conjunction to state argument.
   - Reasoning through casual conjunction or normalization.

4. Example of Analytical Exposition Text

<table>
<thead>
<tr>
<th>Laptop as Students’ Friend</th>
</tr>
</thead>
</table>

Conventionally, students need book, pen, eraser, drawing book, ruler and such other stuff. Additionally, in this multimedia era, students need more to reach their progressive development. Students need mobile keyboards to record every presented subject easily. Of course it will need more cost but it will deserve for its function.

First, modern schools tend to apply fast transferring knowledge because the school needs to catch the target of curriculum. Every subject will tend to be given in demonstrative method. Consequently students need extra media cover the subject. Since there is a laptop on every student’s desk, this method will help student to get better understanding.

Secondly, finding an appropriate laptop is not difficult as it was. Recently there is an online shop which provides comprehensive information. The best is that the shop has service of online shopping. The students just need to brows that online shop, decide which computer or laptop they need, and then complete the transaction. After that the laptop will be delivered to the students’ houses. That is really easy and save time and money.
From all of that, having mobile computer is absolutely useful for students who want to catch the best result for their study.

Adapted from: http://britishcourse.com/analytical-exposition-text-laptop-as-students-friend.php

F. Teaching Strategy
Discussion Method

G. Teaching and Learning Activities

<table>
<thead>
<tr>
<th>Teacher’s Activity</th>
<th>Students’ Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pre-teaching (10 Minutes)</strong></td>
<td></td>
</tr>
<tr>
<td>The teacher greets the students</td>
<td>Students give response to the teacher</td>
</tr>
<tr>
<td>The teacher introduces and gives motivations related to the materials.</td>
<td>Students response.</td>
</tr>
<tr>
<td><strong>While teaching (70 minutes)</strong></td>
<td></td>
</tr>
<tr>
<td>The teacher gives an example of analytical exposition text (Laptop as a student’s friend) and explains to the students about social functions, generic structures, and grammatical features of analytical exposition text.</td>
<td>Students listen to the teacher</td>
</tr>
<tr>
<td>The teacher divides the students into some groups.</td>
<td>The Students sit in groups.</td>
</tr>
<tr>
<td>The teacher asks them to make analytical exposition text based on the outline.</td>
<td>The students write an analytical exposition text.</td>
</tr>
<tr>
<td>The teacher asks them to share their writing to other groups.</td>
<td>The students present the analytical exposition in front of the class.</td>
</tr>
</tbody>
</table>
The teacher and the students discuss the final writing of analytical exposition text.

<table>
<thead>
<tr>
<th>Post-Teaching (10 Minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The teacher and the students conclude the lesson together</td>
</tr>
<tr>
<td>Teacher give feedback and reinforcement to the students about analytical exposition text.</td>
</tr>
<tr>
<td>The teacher give motivation to the students who still get difficulties in writing analytical exposition text.</td>
</tr>
<tr>
<td>Teacher tell the students to learn about analytical exposition text more at home.</td>
</tr>
<tr>
<td>Teacher closes the meeting by saying goodbye.</td>
</tr>
</tbody>
</table>

H. Assessment

<table>
<thead>
<tr>
<th>Categories</th>
<th>Score</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content</td>
<td>30-27</td>
<td>Very good to excellent Knowledgeable-suitantive through development of topic sentence - relevant to the assigned topic.</td>
</tr>
<tr>
<td></td>
<td>26-22</td>
<td>Average to good Some: knowledge of subject - adequate range, limited development of topic sentence - mostly relevant the topic</td>
</tr>
<tr>
<td>Score Range</td>
<td>Description</td>
<td>Sentence Analysis</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>------------------</td>
</tr>
<tr>
<td>21-17</td>
<td>but lack details.</td>
<td>Fair to poor: Limited knowledge of subject, inadequate range, title substance, inadequate development of topic.</td>
</tr>
<tr>
<td>16-13</td>
<td></td>
<td>Very poor: Does not show knowledge of subject, non-substantive, not pertinent, or not enough to evaluate</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Organization</th>
<th>20-18</th>
<th>Excellent to very good</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Fluent expression, clearly stated/supported, well organized, logical sequencing, cohesive.</td>
</tr>
<tr>
<td></td>
<td>17-14</td>
<td>Good to average: Somewhat choppy, loosely organized but main ideas stand out, limited support, logical but incomplete sequencing.</td>
</tr>
<tr>
<td></td>
<td>13-10</td>
<td>Fair to poor: Non-fluent, ideas confused or disconnected, lack logical sequencing and development.</td>
</tr>
<tr>
<td></td>
<td>9-7</td>
<td>Very poor: Does not communicate, no organization, or not enough to evaluate.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vocabulary</th>
<th>20-18</th>
<th>Excellent to very good: Exact word, effective word/idiom, choice, but meaning not obscured.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>17-14</td>
<td>Good to average: Adequate range, occasional errors of words, idiom form, choice, usage meaning confused, or obscured.</td>
</tr>
<tr>
<td></td>
<td>13-10</td>
<td>Fair to poor: Limited range, frequent errors of word/idiom form, choice, usage, meaning confused, or obscured.</td>
</tr>
<tr>
<td></td>
<td>9-7</td>
<td>Very poor: Essentially translation,</td>
</tr>
<tr>
<td>Language use/ Grammar</td>
<td>25-22</td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>little knowledgeable of English vocabulary, idioms, word form or not enough to evaluate.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excellent to very good.: Effective complex use/construction, few errors of agreement, tense, number, word order/uction, articeles, pronouns and prepositions.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mengetahui,
Guru Pamong

Marlina Rahmah S.Pd

Medan, 5 Juli 2019

Mahasiswa,

Dwi Farroh Zuhainah
NIM. 34154163
LESSON PLAN II
(Experimental Group)
School : Mas Al-Jamiyatul Alwasliyah Tembung
Subject : English
Class / Semester : X / 2
Text : Analytical Exposition Text
Skill : Writing
Time : 1 x 45 Minutes
Meetings : II

I. Core Competence

KI 1 : Living and practicing the teachings of his religion.

KI 2 : Living and practicing honest behavior, discipline, responsibility, caring (mutual cooperation, cooperation, tolerance, peace), courtesy, responsiveness and pro-active and showing attitude as part of the solution to various problems in interacting effectively with the social environment and nature and in placing themselves as a reflection of the nation in world association.

KI 3 : Understand, apply, analyze factual, conceptual, procedural knowledge based on their curiosity about science, technology, art, culture, and humanities with humanity, nationality, state and civilization insights related to the causes of phenomena and events, and apply procedural knowledge in a specific field of study according to their talents and interests to solve problems.

KI 4 : Processing, reasoning, and presenting in the concrete and abstract realms related to the development of what he learned in school independently, and being able to use methods according to scientific rules.
J. Basic Competence

**KD 3.10**: Analyzing social functions, text structures, and linguistic elements from analytical exposition texts on topics that are commonly discussed, in accordance with the context of their use.

**KD 4.14**: Captures the meaning in analytical exposition texts on topics that are commonly discussed.

K. Indicator

**3.10.1** Identify simple present tense and conjunctions of analytical exposition text.

**3.10.2** Describe simple present tense and conjunctions of analytical exposition text.

**4.14.1** Arrange analytical exposition text.

L. Learning Objective

At the end of this subject, the students are expected to be able to write a text based on the grammatical features of analytical exposition text.

M. Learning Material

5. Analytical exposition text

- **Definition**: a text that elaborate the writer’s idea about the phenomenon surrounding.

- **Social Function**
  - To persuade the reader or listener that there is something that, certainly, needs to get attention.
  - To analyze a topic and to persuade the reader that this opinion is correct and supported by arguments.
6. Generic Structure
- Thesis: Introduces the topic and shows speaker or writer's position, outlines of the arguments to be presented.
- Arguments: It consists about point and elaboration point, states the main argument. Elaboration develops and supports each point of argument.
- Conclusion: Reiteration (restatement), restates speaker or writer's position.

7. Language Features
- Focus on generic human and non-human participants.
- Use mental processes. It is used to state what the writer or speaker thinks or feels about something, for example: realize, feel, etc.
- Need material processes. It is used to state what happens, for example: has polluted, etc.
- Use of simple present tense
- Use of relational processes.
- Use of internal conjunction to state argument.
- Reasoning through casual conjunction or normalization.

8. Example of Analytical Exposition Text

Cars should be banned in the city. As we all know, cars create pollution, and cause a lot of road deaths and other accidents.

Firstly, cars, as we all know, contribute to most of the pollution in the world. Cars emit a deadly gas that causes illnesses such as bronchitis, lung cancer, and ‘triggers’ off asthma. Some of these illnesses are so bad that people can die from them. Secondly, the city is very busy. Pedestrians wander everywhere and cars commonly hit pedestrians in the city, which causes them to die. Cars today are our roads' biggest killers.

Thirdly, cars are very noisy. If you live in the city, you may find it hard to sleep at night, or concentrate on your homework, and especially talk to someone.

In conclusion, cars should be banned from the city for the reasons listed.
N. Teaching Strategy

Discussion Method

O. Teaching and Learning Activities

<table>
<thead>
<tr>
<th>Teacher’s Activity</th>
<th>Students’ Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pre-teaching (10 Minutes)</strong></td>
<td></td>
</tr>
<tr>
<td>The teacher greets the students</td>
<td>Students give response to the teacher</td>
</tr>
<tr>
<td>The teacher introduces and gives motivations related to the materials.</td>
<td>Students response.</td>
</tr>
<tr>
<td><strong>While teaching (70 minutes)</strong></td>
<td></td>
</tr>
<tr>
<td>The teacher gives an example of analytical exposition text (Laptop as a student’s friend) and explains to the students about social functions, generic structures, and grammatical features of analytical exposition text.</td>
<td>Students listen to the teacher</td>
</tr>
<tr>
<td>The teacher divides the students into some groups.</td>
<td>The Students sit in group.</td>
</tr>
<tr>
<td>The teacher asks them to make analytical exposition text based on the outline.</td>
<td>The students write an analytical exposition text.</td>
</tr>
<tr>
<td>The teacher asks them to share their writing to other groups.</td>
<td>The students present the analytical exposition in front of the class.</td>
</tr>
<tr>
<td>The teacher and the students discuss the final writing of</td>
<td></td>
</tr>
</tbody>
</table>

The teacher and the students conclude the lesson together.

Teacher give feedback and reinforcement to the students about analytical exposition text.

The teacher give motivation to the students who still get difficulties in writing analytical exposition text.

Teacher tells the students to learn about analytical exposition text more at home.

Teacher closes the meeting by saying goodbye.

---

<table>
<thead>
<tr>
<th>Categories</th>
<th>Score</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content</td>
<td>30-27</td>
<td>Very good to excellent Knowledgeable- suitantive- thorough development of topic sentence - relevant to the assigned topic.</td>
</tr>
<tr>
<td></td>
<td>26-22</td>
<td>Average to good Some: knowledge of subject – adequate range, limited development of topic sentence - mostly relevant the topic sentence but lack details.</td>
</tr>
<tr>
<td></td>
<td>21-17</td>
<td></td>
</tr>
<tr>
<td>Rating</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>16-13</td>
<td>Fair to poor: Limited knowledge of subject, inadequate range, title substance, inadequate development of topic. Very poor: Does not show knowledge of subject, non-substantive, not pertinent, or not enough to evaluate.</td>
<td></td>
</tr>
<tr>
<td>20-18</td>
<td>Excellent to very good</td>
<td></td>
</tr>
<tr>
<td>17-14</td>
<td>Fluent expression, clearly stated/supported, organized, succinct, logical sequencing, cohesive. Good to average: Somewhat choppy, loosely organized but main ideas stand out, limited support, logical but incomplete sequencing.</td>
<td></td>
</tr>
<tr>
<td>13-10</td>
<td>Fair to poor: Non-fluent, ideas confused or disconnected, lack logical sequencing and development. Very poor: Does not communicate, no organization, or not enough to evaluate.</td>
<td></td>
</tr>
<tr>
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<td>13-10</td>
<td>Fair to poor: Limited range, frequent errors of word/idiom form, choice, usage, meaning confused, or obscured. Very poor: Essentially translation, little knowledgeable of English vocabulary.</td>
<td></td>
</tr>
<tr>
<td>9-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Language use/ Grammar</td>
<td>25-22</td>
<td>Excellent to very good.: Effective complex construction, few errors of agreement, tense, number, word order/ uction, articles, pronouns and prepositions.</td>
</tr>
</tbody>
</table>

Mengetahui,
Guru Pamong
Marlina Rahmah S.Pd

Medan, 12 April 2019
Mahasiswa,
Dwi Farroh Zuhainah
NIM. 34154163
LESSON PLAN III
(Experimental Group)
School : Mas Al-Jamiyatul Alwasliyah Tembung
Subject : English
Class / Semester : X / 2
Text : Analytical Exposition Text
Skill : Writing
Time : 1 x 45 Minutes
Meetings : III

Q. Core Competence

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- Focus on generic human and non-human participants.

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- Need material processes. It used to state what happens, for example: has polluted, etc.

- Use of simple present tense

- Use of relational processes.

- Use of internal conjunction to state argument.

- Reasoning through casual conjunction or normalization.

12. Example of Analytical Exposition Text

<table>
<thead>
<tr>
<th>Being too fat is commonly known as overweight or obesity. It is simply defined as too much body fat inside. Overweight potentially leads high risk of health problem.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Being too fat is recognized as a major factor for heart disease. Due to the overweight, the heart will work harder. It can lead to the heart attack. Furthermore, obesity potentially rises blood cholesterol and blood pressure. In addition, being too fat can change the amount of sugar in the blood. This will cause diabetes and other serious disease.</td>
</tr>
<tr>
<td>Beside all of that, being too fat is often avoided by many young women. They said that becoming too fat will bother their physical beauty appearance.</td>
</tr>
<tr>
<td>More serious studies are necessary to see the effect of obesity. However it is clear enough that overweight is not good enough for healthy life.</td>
</tr>
</tbody>
</table>
Adapted from: http://www.belajarbahasainggris.us/2012/01/contoh-analytical-exposition-problem-of.html

V. Teaching Strategy
Discussion Method

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</tr>
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<td>Language</td>
<td>25-22</td>
<td>Excellent to very good.: Effective complex</td>
</tr>
<tr>
<td>------------</td>
<td>-------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>Vocabulary</td>
<td>20-18</td>
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Mengetahui,
Guru Pamong

Marlina Rahmah S.Pd

Medan, 05 Juni 2019

Mahasiswa,

Dwi Farroh Zuhainah
NIM. 34154163
APPENDIX D

OBSERVATION SHEET CYCLE

Note: give (√) in each column, where 4 (Very good), 3 (Good), 2 (Enough), and 1 (Bad).

<table>
<thead>
<tr>
<th>No</th>
<th>Points will be observed</th>
<th>Treatment I</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The teacher comes on time</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>The teacher greets the students</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Teacher’s ability in opening class</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Teacher’s motivation in teaching learning Process</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Teacher’s mastering the material</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Teacher provides the material clearly</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Teacher provides the material systematically</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>The teacher be serious in learning process</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Teacher’s ability in organizing the class</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>The teacher give task to the Students</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>The teacher conclude the material</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>The students are active in joining the learning process</td>
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<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>-----------------------------------------------------------------</td>
<td>---</td>
</tr>
<tr>
<td>3</td>
<td>Students’ response to the explanation of the teacher.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>The students ask questions to the teacher if there is something unclear.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Students’ enthusiasm in the teaching process.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Students’ bravery in giving their opinion.</td>
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</tr>
<tr>
<td>7</td>
<td>Students’ interaction in the class.</td>
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<tr>
<td>8</td>
<td>Students’ activities in group.</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>The students can follow the rule of gallery walk.</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Teacher’s ability in closing the</td>
<td></td>
</tr>
</tbody>
</table>
## APPENDIX E

THE STUDENTS’ INITIAL AND REAL NAME
OF EXPERIMENTAL GROUP (X-1)

<table>
<thead>
<tr>
<th>No</th>
<th>Initial Name</th>
<th>Real Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AMP</td>
<td>Abdi Mahabbah P</td>
</tr>
<tr>
<td>2</td>
<td>AD</td>
<td>Afuza Dalila</td>
</tr>
<tr>
<td>3</td>
<td>ADH</td>
<td>Ahmad Dhani Harahap</td>
</tr>
<tr>
<td>4</td>
<td>AS</td>
<td>Arbima Suhari</td>
</tr>
<tr>
<td>5</td>
<td>BS</td>
<td>Bayu Syahputra</td>
</tr>
<tr>
<td>6</td>
<td>DPA</td>
<td>Delvi Putri Agustin</td>
</tr>
<tr>
<td>7</td>
<td>DPS</td>
<td>Dian Permata Sari</td>
</tr>
<tr>
<td>8</td>
<td>ES</td>
<td>Elsa Savitri</td>
</tr>
<tr>
<td>9</td>
<td>FR</td>
<td>Fahrul Rozi</td>
</tr>
<tr>
<td>0</td>
<td>IAA</td>
<td>Iga Aulia Afrillani</td>
</tr>
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<td>Khairunnisa’</td>
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<tr>
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<td>LS</td>
<td>Laily Shofa</td>
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<td>Legianto Siregar</td>
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<tr>
<td>4</td>
<td>M</td>
<td>Mayadhibta</td>
</tr>
<tr>
<td>5</td>
<td>MH</td>
<td>Miftahul Husni</td>
</tr>
<tr>
<td>6</td>
<td>M</td>
<td>Muchlisin</td>
</tr>
<tr>
<td>7</td>
<td>MARH</td>
<td>Muhammad Adjie Rizky Hsb</td>
</tr>
<tr>
<td>8</td>
<td>MIS</td>
<td>Muhammad Iwan Syahputra</td>
</tr>
<tr>
<td>9</td>
<td>NAMS</td>
<td>Nur Arsih Melinda</td>
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<td>Nurhaniyah</td>
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<td>Nurul Ilmi Bukit</td>
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<td>Putri Elvita Sari Nst</td>
</tr>
<tr>
<td>2</td>
<td>RA</td>
<td>Rafida Adilla</td>
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<tr>
<td>3</td>
<td>RNF</td>
<td>Risa Nur Fadillah</td>
</tr>
<tr>
<td>4</td>
<td>RA</td>
<td>Rofi Amirza</td>
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<tr>
<td>5</td>
<td>SS</td>
<td>Safrida Sari</td>
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<tr>
<td>6</td>
<td>SR</td>
<td>Septian Syahrozy</td>
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<td>7</td>
<td>SM</td>
<td>Siti Marhamah</td>
</tr>
<tr>
<td>8</td>
<td>SN</td>
<td>Siti Nurhalizah</td>
</tr>
<tr>
<td>9</td>
<td>SR</td>
<td>Suci Ramadhani</td>
</tr>
</tbody>
</table>
# THE STUDENTS' INITIAL AND REAL NAME

**OF CONTROL GROUP (X-2)**

<table>
<thead>
<tr>
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<th>Real Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AIN</td>
<td>Ahmad Irfan Nst</td>
</tr>
<tr>
<td>2</td>
<td>AAY</td>
<td>Aji Akbar Yustito</td>
</tr>
<tr>
<td>3</td>
<td>AAL</td>
<td>Amanda Agustina Lbs</td>
</tr>
<tr>
<td>4</td>
<td>BDP</td>
<td>Bagus Dwi Putra</td>
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<tr>
<td>5</td>
<td>CSH</td>
<td>Chandra Sentosa Hrp</td>
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<tr>
<td>6</td>
<td>DP</td>
<td>Diah Pramesti</td>
</tr>
<tr>
<td>7</td>
<td>DF</td>
<td>Dian Fahmi</td>
</tr>
<tr>
<td>8</td>
<td>DHL</td>
<td>Duriatun Habib Lutvia</td>
</tr>
<tr>
<td>9</td>
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## APPENDIX F

### Table I

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| Mean |   |

Based on the data above, the result of total of decrease in Pre-test is 1604 and the mean is 53.46. Meanwhile the total of decreas of post-test is 2318, and the mean is 77.26.
### APPENDIX G

**Table II**
The List of Post-Test and Post-Test Scores of Control Class

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Based on the data above, the result of total of decrease in Pre-test is 1604 and the mean is 53.46. Meanwhile the total of decrease of post-test is 2318, and the mean is 77.26.
APPENDIX H

Normality Testing of Experimental Group

Table III
Pre Test of the Experiment Class

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Based on the data above, the result of $\sum f_i x_i^2$ is 81808 and $\sum f_i x_i$ is 1540.

Then the following is the calculation of mean, variant and standart deviation.

a. **Mean ($\bar{x}$)**

$$\bar{x} = \frac{\sum f_i x_i}{\sum f_i}$$

$$= \frac{1540}{30}$$

$$= 51.33$$

b. **Variant ($S^2$)**

$$S^2 = \frac{n \sum f_i x_i^2 - (\sum f_i x_i)^2}{n(n-1)}$$

$$= \frac{30 \times 81808 - (1540)^2}{30(30-1)}$$

$$= \frac{2454240 - 2371600}{870}$$

$$= \frac{82640}{870}$$

$$= 94.988$$

C. **Deviation Standard**

Deviation standard was found by drawing root of variants that was

$$\sqrt{94.988} = 9.746$$
### Table IV

**Normality Testing of Pre Test in Experimental Group**

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</tbody>
</table>
There are some steps that must be done for calculating the normality test.

1. Finding \( Z \) score

To find \( Z \) score the writer used Liliefors formula: 

\[ Z_i = \frac{x_i - \bar{x}}{s} \]

\[
\begin{align*}
Z_1 &= \frac{40 - 51.33}{9.746} = -1.163 \\
Z_2 &= \frac{44 - 51.33}{9.746} = -0.752 \\
Z_3 &= \frac{46 - 51.33}{9.746} = -0.547 \\
Z_4 &= \frac{50 - 51.33}{9.746} = -0.137 \\
Z_5 &= \frac{66 - 51.33}{9.746} = 1.505
\end{align*}
\]

2. Finding \( S \) (\( Z_i \))

\[
\begin{align*}
1. \quad &\frac{6}{30} = 0.200 \\
2. \quad &\frac{10}{30} = 0.333 \\
3. \quad &\frac{11}{30} = 0.367 \\
4. \quad &\frac{22}{30} = 0.733
\end{align*}
\]
The result:

From the above table it was found that \( L_0 = 0.288 \). Based on the list critics value of Liliefors table with \( n = 30 \) and at real level \( \alpha = 0.05 = 1.697 \) from the list critical value of Liliefors table \( L_t = 0.1618 \). Therefore, it was known that the coefficient of \( 0.288 < L_t 0.1618 \). So it can be concluded that the data distribution of Pre Test of experiment class was **normal**.

**Table VI**

<table>
<thead>
<tr>
<th>NO</th>
<th>Score ((x_i))</th>
<th>(f_i)</th>
<th>(f_i x_i)</th>
<th>(x_i^2)</th>
<th>(f_i x_i^2)</th>
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<tbody>
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<td>30360</td>
<td>181260</td>
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</tr>
</tbody>
</table>

**Post Test of the Experiment Class**

Based on the data above, the result of \( \sum f_i x_i^2 \) is 181260 and \( \sum f_i x_i \) is 2322.

Then the following is the calculation of mean, variant and standart deviation.

**a. Mean \((\bar{x})\)**

\[
\bar{x} = \frac{\sum f_i x_i}{\sum f_i}
\]
= \frac{2322}{30} = 77,400

b. Variant (S^2)

\[ S^2 = \frac{n \sum f i x^2 - (\sum f i x)^2}{n(n-1)} \]
\[ = \frac{30 \times 181260 - (2322)^2}{30(30-1)} \]
\[ = \frac{5437800 - 5391684}{870} \]
\[ = 46116 \]
\[ = 53.007 \]

c. Deviation Standard

Deviation standard was found by drawing root of variants that was 
\[ \sqrt{53.007} = 7.281 \]

Table VII

The Normality of Post Test of the Experiment Class

<table>
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<tr>
<th>No</th>
<th>Score</th>
<th>A1</th>
<th>F</th>
<th>Z</th>
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<th>S</th>
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<td>0</td>
<td>0</td>
<td>0.175</td>
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<td>6</td>
<td>435</td>
<td>-</td>
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<td>0</td>
<td>0</td>
<td>0.175</td>
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</tr>
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</tr>
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<td>0</td>
<td>0,357</td>
<td>0,639</td>
<td>0,833</td>
<td>0,194</td>
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<td>8</td>
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<td>0,927</td>
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<td>8</td>
<td>774</td>
<td>0,456</td>
<td>0,927</td>
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<td>0,073</td>
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<td>8</td>
<td>4</td>
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<td>0,927</td>
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<td>0,927</td>
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<td>0,073</td>
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<td></td>
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<tr>
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<td>8</td>
<td>4</td>
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<td>0,073</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
There are some steps that must be done for calculating the normality test.

1. Finding Z score

To find Z score the writer used Liliefors formula: \( Z_i = \frac{x_i - \bar{x}}{s} \)

\[
Z_1 = \frac{66 - 77.400}{7.281} = -1.566
\]
\[
Z_2 = \frac{76 - 77.400}{7.281} = -1.192
\]
\[
Z_3 = \frac{78 - 77.400}{7.281} = 0.357
\]
\[
Z_4 = \frac{80 - 77.400}{7.281} = 0.948
\]
\[
Z_5 = \frac{88 - 77.400}{7.281} = 1.456
\]

2. Finding S (Zi)

a. \( \frac{7}{30} = 0.233 \)

b. \( \frac{8}{30} = 0.267 \)

c. \( \frac{16}{30} = 0.533 \)

d. \( \frac{25}{30} = 0.833 \)

e. \( \frac{30}{30} = 1 \)

The Normality data Post Test of the Experiment Class
Table VIII

Normality Data of Post Test of Experiment Class

<table>
<thead>
<tr>
<th>NO</th>
<th>$x_i$</th>
<th>$f_i$</th>
<th>$f_{cum}$</th>
<th>$Z_i$</th>
<th>$F(Z_i)$</th>
<th>$S(Z_i)$</th>
<th>$FZ_i - SZ_i$</th>
</tr>
</thead>
<tbody>
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<td>7</td>
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<td>0.237</td>
<td>0.175</td>
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<td>76</td>
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<td>8</td>
<td>−0.192</td>
<td>0.424</td>
<td>0.267</td>
<td>0.157</td>
</tr>
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<td>0.927</td>
<td>1.00</td>
<td>0.073</td>
</tr>
</tbody>
</table>

The Result:

From the above table it was found that $L_0 = 0.194$. Based on the list critics value of Liliefors table with $n = 30$ and real level $\alpha = 0.05 = 1.697$. From the list critical value of Liliefors table $L_t = 0.1618$. Therefore, it was known that the coefficient of $L_0 (0.194) < L_t (0.1618)$ so it can be conclude that the data distribution of Post test of experiment class was normal.

Table IX

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<th>NO</th>
<th>Score ($x_i$)</th>
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<th>$f_i x_i$</th>
<th>$x_i^2$</th>
<th>$f_i x_i^2$</th>
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</thead>
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</tbody>
</table>

Total | 30 | 1576 | 17832 | 84296 |

Pre Test of the Control Class

Based on the data above, the result of $\sum f_i x_i^2$ is 84296 and $\sum f_i x_i$ is 1576

Then the following is the calculation of mean, variant and standart deviation.

a. **Mean ($\bar{x}$)**

$$
\bar{x} = \frac{\sum f_i x_i}{\sum f_i} = \frac{1576}{30} = 52.533
$$
b. Variant ($S^2$)

\[ S^2 = \frac{n \sum f_i x_i^2 - (\sum f_i x_i)^2}{n(n-1)} \]

\[ = \frac{30 \times 84296 - (1576)^2}{30(30-1)} \]

\[ = \frac{2528880 - 2483776}{870} \]

\[ = \frac{45104}{870} \]

\[ = 51.843 \]

c. Deviation Standard

Deviation standard was found by drawing root of variants that was

\[ \sqrt{51.843} = 7.200 \]
<table>
<thead>
<tr>
<th>No</th>
<th>Score</th>
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<th>F</th>
<th>Z</th>
<th>Fzi</th>
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| Ju | 1 | 842 | 3 | L-Hitung |
|    | 576 | 96 |   | 0  |
| M  | 2,533 |   |   | 0 |
| S  | 7,200 |   |   | 1618 |

There are some steps that must be done for calculating the normality test.
1. Finding Z score

To find Z score the writer used Liliefors formula: $Z_{1} = \frac{x_i - \bar{x}}{s}$

$Z_{1} = \frac{44 - 52.533}{7.200} = -1.185$

$Z_{2} = \frac{48 - 52.533}{7.200} = -0.630$

$Z_{3} = \frac{50 - 52.533}{7.200} = -0.352$

$Z_{4} = \frac{56 - 52.533}{7.200} = 0.481$

$Z_{5} = \frac{60 - 52.533}{7.272} = 1.037$

$Z_{6} = \frac{66 - 52.533}{7.200} = 1.870$

2. Finding S (Zi)

a. $\frac{6}{30} = 0.200$

b. $\frac{9}{30} = 0.300$

c. $\frac{19}{30} = 0.633$

d. $\frac{23}{30} = 0.767$

e. $\frac{26}{30} = 0.867$

f. $\frac{30}{30} = 1$

3. The Normality data Pre Test of the Control Class
The Result:

From the above table it was found that $L_0 = 0.271$. Based on the list critics value of Lilifors table with $n = 30$ and at real level $\alpha = 0.05 = 1.697$ from the list critical value of Liliefors table $L_t = 0.1618$ Therefore, it was known that the coefficient of $L_0 (0.271) < L_t (0.1618)$ so it can be concluded that the data distribution of pre test of the control class was normal.

Table XI

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Table XII

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Post Test of the Control Class

Based on the data above, the result of $F_i x_i^2$ is 133452 and $F_i x_i$ is 1990.

Then the following is the calculation of mean, variant and standart deviation.
a. **Mean ($\bar{x}$)**

$$\bar{x} = \frac{\sum fx_i}{\sum f_i}$$

$$= \frac{1990}{30}$$

$$= 66.33$$

b. **Variant ($S^2$)**

$$S^2 = \frac{n\sum f x_i^2 - (\sum f x_i)^2}{n(n-1)}$$

$$= \frac{30 \times 133452 - (1990)^2}{30(30-1)}$$

$$= \frac{4003560 - 3960100}{870}$$

$$= \frac{43460}{870}$$

$$= 49.954$$

c. **Deviation Standard**

Deviation standard was found by drawing root of variants that was

$$\sqrt{49.954} = 7.06$$

### Table XIII

**The Normality of Post Test of the Control Class**

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There are some steps that must be done for calculating the normality test.

1. Finding Z score

To find Z score the writer used Liliefors formula: 

\[ Z_t = \frac{x_t - \bar{x}}{s} \]
\[ Z_1 = \frac{56 - 66.33}{7.067} = -1.462 \]
\[ Z_2 = \frac{60 - 66.33}{7.067} = -0.896 \]
\[ Z_3 = \frac{66 - 66.33}{7.067} = -0.047 \]
\[ Z_4 = \frac{68 - 66.33}{7.067} = 0.236 \]
\[ Z_5 = \frac{76 - 66.33}{7.067} = 1.368 \]

2. Finding \( S(Z_i) \)
   a. \( \frac{5}{30} = 0.167 \)
   b. \( \frac{9}{30} = 0.300 \)
   c. \( \frac{20}{30} = 0.667 \)
   d. \( \frac{22}{30} = 0.733 \)
   e. \( \frac{30}{30} = 1.000 \)

3. The Normality data Post Test of the Control Class

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The Result:
From the above table it was found that \( L_0 = 0.185 \). Based on the list critics value of Lilifors table with \( n = 30 \) and at real level \( \alpha = 0.05 = 1.697 \) from the list critical value of Liliefors table \( L_t = 0.1618 \) Therefore, it was known that the coefficient of \( L_0 (0.185) < L_t (0.1618) \) so it can be concluded that the data distribution of post test of the control class was normal.
APPENDIX I

Homogenity Test

1. Homogenity Testing of Pre test

\[ F_{\text{obs}} = \frac{S_1^2}{S_2^2} \]

Where: \( S_1^2 \) = the biggest variant
\( S_2^2 \) = the smallest variant

Based on the variants of both samples of pre test found that:

\( S_2^{\text{ex}} = 94.989 \quad N=30 \)
\( S_2^{\text{co}} = 51.844 \quad N=30 \)

So:

\[ F_{\text{obs}} = \frac{94.989}{51.844} = 1.532 \]

Then the coefficient of \( F_{\text{obs}} \) 1. = 1.532 is compared with \( F_{\text{table}} \), where \( F_{\text{table}} \) is determined at real \( \alpha = 0.05 \) and the same numerator \( d_k = N-1 = 30-1 = 29 \), the denominator \( d_k = n-1 \) (30-1= 29). Then \( F_{\text{table}} \) can be calculated \( F(0.05=1.679) \). So \( F_{\text{obs}} < F_{\text{table}} \) or (1.532 <1.679) so it can be concluded that the variant is **homogenous**.

2. Homogenity Testing of Post test

\[ F_{\text{obs}} = \frac{S_1^2}{S_2^2} \]

Where: \( S_1^2 \) = the biggest variant
\( S_2^2 \) = the smallest variant

Based on the variants of both samples of pre test found that:

\( S_2^{\text{ex}} = 53.007 \quad N=30 \)
\( S_2^{\text{co}} = 49.954 \quad N=30 \)

So:

\[ F_{\text{obs}} = \frac{53.007}{49.954} = 1.061 \]

Then the coefficient of \( F_{\text{obs}} \) = is compared with \( F_{\text{table}} \), where \( F_{\text{table}} \) is determined at real \( \alpha = 0.05 \) and the same numerator \( d_k = N-1 = 30-1 \) that was exist \( d_k \) numerator 29, the denominator \( d_k = n-1 \) (30-1= 29). Then \( F_{\text{table}} \) can be calculated \( F(0.05=1.679) \). So \( F_{\text{obs}} < F_{\text{table}} \) or (1.061 < 1.679) so it can be concluded that the variant is **homogenous**.
APPENDIX J

Pict 1. The researcher is giving explanation about exposition text to the students of experimental group

Pict 2. The students of experimental group are doing pre test
Pict 3. The researcher is giving explanation about exposition text to the students of control group
### APPENDIX K

#### TABLE OF F DISTRIBUTION

Menyatakan:

(Bilangan Dalam Badan Daftar Menyatakan: Fp : Baris Atas untuk p = 0,05 dan Baris Bawah untuk p = 0,01)
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