

CHAPTER III

METHODOLOGY OF THE RESEARCH

A. Research of Method

In this research, the researcher uses the experimental research to know the real data that got from the respondent. Experiment research are particularly concerned with the issue of external validity, and the formal experiment is specially designs to enable the researcher to extrapolate the outcomes of the researcher from the sample to the broader population.¹ It was reasonable that the researcher intended to examine the cause and effect between two variables, YouTube English video and students' writing ability.

The data analysis uses is quantitative research it means that the researcher collects the data from the field and must go to place the research. Moreover to know the effectiveness YouTube English video to improve writing skill of recount text. The researcher uses quasi experiment because in the research there are pre-test and post-test get the data. Two classes where involved in this research, it is

¹ David Nunan, *Research methods in language learning*, (Cambridge University Press, 1992) p. 47.

experimental class and control class. The experimental class consists of the students who received treatment.

However, the control class was not. Both classes received a pre-test on whatever instrument is used to assess the effect of the experiment before the treatment has been given. To make this research more clear, the researcher provided the research design as follows:

Table: Research Design

No	Class	Pre-test	Treatment	Post-test
1.	Experimental class	X	X	X
2.	Control class	X	0	X

B. Place and Time

This research takes place on MTS Al-Khaeriyah Jawilan, this research will carried out on October 2017, about one month. The first week is for pre-test, the second until third is for treatment and the fourth week for post-test.

C. Population and Sample

1. Population

Population is whole of subject research.² So, population relate with data is not individual. In related with this research, the research takes population in the second grade students of MTS Al-Khaeriyah Jawilan.

2. Sample

Sample is a part or the represent of population that is researched. According to suharsini in Jusuf Soewadji's book, the sample is partially partly or representative of the population studied. The sample intended to represent population. The research takes two classes as sample research from the second grade students at MTS Al-Khaeriyah Jawilan. The researcher chooses class VIII B as Experimental class with 30 students and VIII C as control class with 30 students.

² Suharsimi Arikunto, *Prosedur Penelitian Suatu Pendekatan Praktik*. (Jakarta: Rineka Cipta, 1998) p.115

D. Research Instrument

Research instrument is a facility they use by researcher in collecting data, researcher uses to know the students writing skill on recount text. Test is a method of measuring person's ability or knowledge a given domain.

To get data writing skill of student, the researcher give two test to student that is pre-test and post-test. Pre-test is given in the form of command to create recount text with birthday theme and experience to experimental class and control class to know the background knowledge of student writing, after knowing how far the writing ability is done by teaching process, the researcher would teach about definition, purpose, generic structure, Language feature and example of recount text but only experiment class that given treatment in the form of video while control class only using traditional method. After the treatment done the researcher gives post-test in the form of instruct to student to make recount text with theme of holiday The purpose of this research is to know the ability of students in writing text recounting skills using YouTube media English video as a medium of learning.

Pre-Test	Essay	The students write a recount paragraph consist of orientation, events and reorientation.
Post-Test	Essay	The students write a recount paragraph consist of orientation, events and reorientation.

E. Technique of Collecting Data

1. Observation

Observation is the process of observe toward the subject of observation by using all of sense.³ Observation tasks are observations that focus on the teaching-learning process such as seeing how far they are progressing, is there any change after using the Video media from YouTube, is there interest in the

³ Suharsimi Arikunto, *Prosedur Penelitian: Suatu Pendekatan Praktek*, (Jakarta: PT. Rineka Cipta, 2002) p. 156.

lesson, whether the learning process is in accordance with the curriculum and taking into account students' reactions during the lesson, not just Noting the reaction, but also assessing whether the reaction is very lacking, or not in accordance with what is desired or information from the actual lesson. Researchers observed the learning process of classes VIII B and VIII C.

2. Test

Test is some questions which is used to measure competence, knowledge, intelligence, and ability of talent which is have by individual or group.⁴ To get data of students' skill writing recount text, the researcher uses pre-test in experiment class before giving treatment and post-test after treatment. The form the test is essay.

F. Technique of Analyzing Data

The writer used statistic calculation with the degree if significance is 5% and 1%, and the technique of analyzing data use product moment formula, there are several step in analyzing the result of the test.⁵

⁴ Suharsimi, *Prosedur*, p. 150.

⁵ Supardi & Darwyan Syah, *Pengantar Statistik Pendidikan*, (Jakarta: Diadit Media, 2009) p. 135

1. Determine mean of experimental class and control class

- Determine mean of pre-test with formula:

$$M_1 = \frac{\sum x_1}{N_1}$$

- Determine mean of post-test with formula:

$$M_2 = \frac{\sum x_2}{N_2}$$

2. Determine deviation score of pre-test with formula:

$$X_1 = X_1 - M_1$$

3. Determine deviation score of post-test with formula:

$$X_2 = X_2 - M_2$$

4. Analyzing the degree of freedom (df) with formula:

$$Df = N_1 + N_2 - 2$$

5. The conclusion from this research can be seen from the result

of the t_0 :
$$t = \frac{M_1 - M_2}{\sqrt{\left\{ \frac{\sum X_1^2 + \sum X_2^2}{N_2 + N_1 - 2} \right\} \left\{ \frac{N_1 + N_2}{N_1 \cdot N_2} \right\}}}$$

M_1 : Gained score of the data experiment class

M_2 : Gained score of the data control class

$\sum X_1^2$: Sum of square deviation of experiment class

$\sum X_2^2$: Sum of square deviation of control class

N_1 : The number of students experiment class

N_2 : The number of students control class

Df : Degree of freedom