CHAPTER III

RESEARCH METHODOLOGY

This chapter discussed several things such as research design, population and sample, research instrument, treatment procedure, the process of collecting data, the technique of analyzing data.

3.1 Research Design

This study uses a quasi-experimental design, in other words, the researcher uses pre-test, treatment, and post-test. The researcher uses a quasi-experimental design because quasi-experimental has settings that do not allow control and manipulate all relevant variables. According to Iman (2017:13), that researcher uses quasi-experimental to intact, already established the subject group, giving a pretest, intended to regulate the conditions of the intervention into one group and gives a post-test. Therefore, quasi-experimental aims to show a causal relationship between intervention and outcomes. A quasi-experimental design can use pre-intervention and post-intervention measurements as well as control groups that are not randomly selected (Harris, et.al., 2006:2).

This study discusses two variables. The first variable is the independent variable and the second variable is the dependent variable. Teaching media by using celebrity Instagram status is the independent variable and the student value of writing descriptive text is the dependent variable. The independent variable is also often referred to as experimental or treatment. The dependent variable focus on the result or outcomes of the study.

Table 3.1 Research Design.

Class	PreTest	Treatment	Post-Test
E	Y1	Using Instagram	Y2
C	Y1	Using Picture	Y2

Explanation:

E : Experimental class

C : Control class

Y1: Pre-test for experimental class

Y1: Pre-tes for control class

Y2: Post-test for experimental class

Y2: Post-test for control class

3.2 Population and Sample

Based on Scheaffer, et.al. (2006:8) state that a population is a collection of elements that we want to make a conclusion. Other than that population is overall of the research subject (Arikunto, 2006:108). According to the two theories above it can be concluded that the population is all subjects to be analyzed in research and has the purpose is to make a conclusion. The population in this study is the tenth-grade students of SMAN 1 kediri in the 2019/2020 academic year. They are divided into thirty- four classes from X MIPA IPS- XII MIPA IPS. The total of students of the tenth-grade students at SMAN 1 Kediri is 412 students.

In addition, according to Banerjee (2010:5) state that samples are part of a fully defined population. This can be interpreted that the sample is part of the population from the research data obtained. Samples will be taken from the population, and

then the samples are divided into two classes. The first is class X MIPA- G as the control group consisting of 30 students who are taught using pictures and the second class is X MIPA-H as an experimental group consisting of 30 students who are taught using celebrity Instagram status.
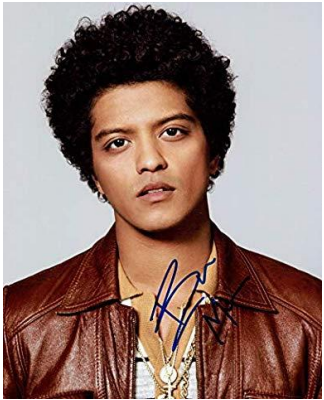
3.4 Research Instrument

To assess the students' writing descriptive text and interest, the researcher applies two kinds of instruments, namely questionnaires and tests. The first research instrument is a questionnaire. The purpose of the questionnaire is to find out how many students use Instagram and how often students use Instagram.

The second research instrument is the test. For experimental class and control class are given the test. The test consists of two tests such as pre-test and post-test. The first is the pre-test. For the first meeting, students are given a pre-test. The purpose of the pre-test is to discover students' writing abilities before students get treatment. The second is the post-test. The post-test is given in the last meeting. The purpose post-test is to find out how students' writing achievement in the descriptive text after students get treatment.

3.5 Treatment Procedure

In the treatment procedure, there are several discussions such as the first meeting given a pre-test, giving treatment three times to the experimental class and control class, giving a post-test to the experimental class and control class in the last meeting.

Table 3.2 The Treatment Procedure.

Meeting	Experimental Class	Control Class
1st	➢ 10 minutes to pre-test. ➢ 1 minute to share questionnaire. ➢ 30 minutes to give an introduction about Instagram and ask the student to follow and join these class account that given the username and password by the researcher. ➢ 30 minutes for giving introduction material about descriptive text. ➢ 10 minutes to ask the student to identify the social function of the text based on celebrity pictures and questions that have been posted by the researcher on the Instagram experimental class.	➢ 5 minutes to pre-test. ➢ 30 minutes to give introduction material about the descriptive text. ➢ 20 minutes to give the students an example of simple present tense and divided students into five groups. ➢ 35 minutes to ask the student to discuss the material based on the picture that has given by the researcher in class. The following are examples of practice questions given to students:

	The following are examples of practice questions given to students: Fill in the blank by choosing appropriate word! 1. She is .... (young/old) girl. 2. She has .... (short/long) hair. 3. She has .... (black/blue) eyes. 4. She is .... (slim/fat). 5. She has .... (flat/pointed) nose. ➢ 9 minutes to ask the student to discuss the material based on the picture and question above.	Fill in the blank by choosing appropriate word! 1. He is ....(young/old) guy. 2. He has ....(straight/curly) hair. 3. He has ....(black/blue) eyes. 4. He is .... (slim/fat). 5. He has ....(flat/pointed) nose.

| 2nd | ➢ 25 minutes to shows a descriptive text on Instagram.

➢ 25 minutes to gives explanation about the generic structure of descriptive text.

➢ 40 minutes to ask the students to make a descriptive text based on picture upload on Instagram.

Make a descriptive text based on the picture uploaded.

Description:

Name   : Cardi B

Occupation   : Rapper

Nationality   :
American

Born   **:** October
11, 1992 New York | ➢ 25 minutes to gives an explanation about the descriptive text.

➢ 25 minutes to give explanation about the generic structure of the descriptive text.

➢ 40 minutes to ask the students to make a descriptive text based on the picture that has given the researcher.

Make a descriptive text based on the picture uploaded.

Description:

Name   : David
Beckham

Occupation   :
Footballer, Model

Nationality   : British |

	Age : 27 years old Height : 160 cm Husband : Offset	Born **:** May 2, 1975 London Age : 44 years old Height : 183 cm Wife : Victoria Beckham
3rd	➢ 40 minutes to make a descriptive text based on picture upload on Instagram. Make a descriptive text based on the picture uploaded. ➢ 25 minutes to ask the students to identify the language features of the text. ➢ 25 minutes to ask the students to give comments on Instagram.	➢ 40 minutes to ask the students to make descriptive text based on the picture given. Make a descriptive text based on the picture. ➢ 25 minutes to ask the students to identify the language features of the text. ➢ 25 minutes to ask the students to present their text.

4th	➢ 25 minutes to ask the student to answer these questions based on the picture that has been upload on Instagram Please answer these questions and try to make descriptive text based on the picture and questions! 1. What's the name of that place? 2. What's the name of the country is it? 3. What is there to see and do? 4. What is the build like? 5. It's famous for... 6. What's the weather like? ➢ 40 minutes to ask the student to make descriptive text based on the picture that	➢ 25 minutes to ask the student to answer these questions based on the picture given. Please answer these questions and try to make descriptive text based on the picture and questions! 1. What's the name of that place? 2. What's the name of the country is it? 3. What is there to see and do? 4. What is the build like? 5. It's famous for... 6. What's the weather like? ➢ 40 minutes to ask the student to make descriptive text based on picture given. ➢ 25 minutes to ask the student to present their results.

	has been upload on Instagram. ➤ 25 minutes to ask the student to present their results.	
5th	Post-test	Post-test

Table 3.3 The Activity Schedule

Activity	Experimental Class	Control Class
Pre-Test	January 27th, 2020	January 27th, 2020
Treatment 1	February 3rd, 2020	February 3rd, 2020
Treatment 2	February 10th, 2020	February 10th, 2020
Treatment 3	February 17th, 2020	February 17th, 2020
Post-Test	February 24th, 2020	February 24th, 2020

3.5 The Process of Collecting Data

This study to collect the data researcher use tests. Because, the test function is to know the skills, knowledge, intelligence, achievements of students, and behavior. According to Muijs (2004: 56) state that data collection is obtained by observing a situation, using a rule, requires interaction using the instrument that has been selected. The researcher gives tests include pre-test and post-test. This study uses a pre-test to get the main score data on writing the descriptive text of students for the first meeting before getting the treatment and for the post-test is given in the last meeting after is given treatment. The aspects assessed are mechanical, grammar, vocabulary, punctuation, and organizational skills. The pre and post-test are given to the experimental class and control class.

3.5.1 Pre-Test

For the first meeting students are given a pre-test. The purpose of the pre-test is to discover students' writing abilities before the treatment is carried out. This pre-test is given to students before treatment is given. The researcher gives a pre-test for the experimental group and control groups as a research sample.

3.5.2 Treatment

After the researcher gives a pre-test for the sample is treated using celebrity Instagram status in the experimental group and using the picture in the control group. The researcher conducted this treatment 5 times.

3.5.3 Post-Test

In this study, the researcher uses written tests especially essay tests to find out how students' writing achievement in descriptive text. Post-test conducted in the experimental and control groups. Post-test was given after the experimental and control class received treatment.

3.6 The Technique of Analyzing Data

The next step is to process and analyze data. Because the type of data in this study is quantitative, therefore for the data analysis technique used is statistical analysis. This study uses the Mann Whitney U test to analyze the data of post-test scores.

The purpose of the Mann Whitney U test is used to compare whether there is any difference in the mean of the experimental class and control class. Another reason why this study uses the Mann Whitney U test is that this study uses a non-parametric test due to the data of this study is not normal. The researcher uses the SPSS Program to process data. The interpretation in the result of statistic shows that if the significant value is lower than 0.05

as the standard distribution, then H0 is rejected and Ha is accepted. It means that using celebrity Instagram status is effective. And if the significant value is higher than 0.05 as the standard distribution, then H0 is accepted and Ha is rejected. It means that using celebrity Instagram status is not effective.