

CHAPTER III

RESEARCH METHODOLOGY

A. Research Design

In this study, two research approaches are used. Namely, quantitative and qualitative approach. (Creswell, 2008) stated that quantitative research is a type of educational research in which the writer decides what to study; reviews the numbers analyzed by using statistics and conducts the inquiry in an unbiased with objective manner. Using a quantitative approach I tried to find students' errors in using relative clause through distributing paper test to them. In addition to complete the research and to answer the second question of the study, I used a qualitative approach to figure out why the students make the errors by conducting an interview. According to (Ary, 2002), qualitative research is conducted to describe the current status of the phenomenon that exists at the time of the study. In dealing with, descriptive design was used. According to (Sylviene, 2007), it is stated that descriptive research design is to describe groups, activities, or event with a focus on structure, attitude or behavior.

B. Population and Sample

1. Population

According to (Fraenkel, et al., 2012), the population is the group interest to the writer that would like to generalize the result of the study. In this study, the population is 47 students of the second semester of English education study program at Muhammadiyah University of Metro.

2. Sample

The sample is the small quantity of population. (Arikunto, 2010) verbalized that sample is a limited number of elements from a population to be representative of the population. The technique of sampling that was used in the research was purposive sampling. According to (Sugiyono, 2008) purposive sampling is usually used by qualitative research. In line with the previous explanation, the researcher chose 6 participants. They are 2 students who have top score, 2 students of middle, and 2 students who get lowest score.

C. Technique and Data Collection

In this part, the researcher used two techniques in collecting the data, those are test and interview.

1. Test

In the study, the test consists of 3 question formats: multiple choice, error analysis, and sentence combination. The total question in each format was 10 questions so the whole question in this test is 30 questions. The students had 50 minutes to complete the test.

2. Interview

The researcher used an interview to find the reasons or the students' error in using relative pronouns. In this part, the researcher used a semi-structured interview to collect the data. Based on (Mackey, et al., 2005) semi-structured interview is a type of interview in which the researcher uses a written list of a question as a guide, but can digress and probe for more information". This technique focused on the item of relative pronouns that students had the most errors.

D. Data Analysis Technique

To get qualitative research, the researcher calculated the data by using a formula which is introduced by (Sudjana, 2008), as follows:

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

P = Percentage

F = Frequency of error occurred

N = Number of sample which is observed

The last technique was an interview to find information about why the students made the errors. The study used the semi-structured interview in which participants were given disorderly questions. There are 2 questions in the interview that would be asked to the students. The data of students' responses towards the error in using relative pronouns were gathered through interview. Once the data collected, it will be transcribed. Later, the findings of the interview would be presented in a narrative explanation that depicts the students' errors in using relative pronouns.