

CHAPTER III

RESEARCH METHODOLOGY

3.1 Research Design

This is a quasi experimental research. In conducting this research, the researcher will teach experimental class by using One Stay Rest Stray strategy and control class will be taught by using another strategy . There are two variables in this research. using One Stay Rest Stray is an independet variable, while reading comprehension is a dependent variable. According to Hatch and Farhady (1982) in quasi experimental research, the researcher has to conduct pre test and post test in both classes, and treatment in experimental class.

The design is as follows:

Table 3.1 Research Design

| Class | Pre-test | Treatment | Post-test |
|------------|----------|-----------|-----------|
| Experiment | X_1 | T | X_2 |
| Control | Y_1 | - | Y_2 |

Where:

X_1 : The students' reading comprehension treatment of experimental class

Y_1 : The students' reading comprehension before treatment of control class

T : Teaching reading comprehension by using One Stay Rest Stray strategy

X_2 : The students' reading comprehension after treatment of experiment class

Y_2 : The students' reading comprehension after treatment of control class

3.2 Location and Time of the Research

The location of carrying out this research activity is at the first year students of SMPN 25 Pekanbaru in February 2018 at SMPN 25 Pekanbaru.

3.3 The Population and Sample

3.3.1 Population

The population of this research is the first year students of SMPN 25 Pekanbaru . They consist of 248 students at first year students of SMPN 25 Pekanbaru .

Table 3.2 Population of the Research

| No | Class | Population |
|----|-------|------------|
| 1 | VII A | 28 |
| 2 | VII B | 30 |
| 3 | VII C | 30 |
| 4 | VII D | 32 |
| 5 | VII E | 28 |
| | Total | 248 |

3.3.2 Sample

The sample of this research is taken through random sampling technique. Each member of the population has an equal chance of being selected as subject. The entire process of sampling is done in a single step where each subject selected independently of the other members of the population. The researcher uses lottery to find the class. All sample are

written in a roll paper, and the researcher chooses two classes to be the samples. The sample of this class is VII B and VII C. They are 30 students in the class in experimental class.

Table 3.3 Sample of the Research

| No | Class | Population |
|-------|-----------------------------|------------|
| 1 | VII B (Experiment Class) | 30 |
| 2 | VII C (Control Class) | 30 |
| Total | | 60 |

3.4 Instrument of the Research

1. Reading Test

The reading test is used to find out the students reading comprehension. The indicators are based on reading comprehension of descriptive text components.

Table 3.4 Indicators of Descriptive Text Indicator

| Variables | Indicators | Numbers items |
|---|--------------------------------------|--------------------|
| Reading Comprehension of Descriptive text | Finding main idea | 1, 6, 11, 16,21,26 |
| | Identifying reference | 2, 7, 12, 17,22,27 |
| | Finding meaning;synonim or opposite, | 3, 8, 13, 18,23,28 |
| | Finding Detail | 4, 9, 14, 19,24,29 |
| | Analizing generic structure | 5,10,15, 20 ,25,30 |

The test is given after treatment which called post-test. The forms of the tests are multiple choices which consist of 30 items.

3.5 Data Collection Technique

1. Pre-test

The researcher will give the reading test to students and correct them to know the result. The allocation time is 60 minutes. The test is about descriptive text. The purpose of the test is to know the students ability before treatment.

2. Post-test

The researcher will give the reading test to students and correct them to know the result. The allocation time is 60 minutes. The test is about descriptive text. The purpose of the test is to know the students ability after treatment.

3.6 Data Analysis Technique

Analyzing data is a compulsory activity that is used by the researcher, because the researcher cannot get conclusion without analyzing the data. Analyzing the data is used to answer the research questions (Riduwan, 2012). The researcher used t test as data analysis.