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CHAPTER III

METHODOLOGY OF THE RESEARCH

A. The Research Design

The design of this research is experimental research which consists of two variables. The first is the possible sentences strategy as the independent variable (X) and the second is students' vocabulary comprehension as the dependent variable (Y). According to Creswell (2008:313) Quasi-experimental design is experiment situation in which the research assigns, but not randomly.

In conducting quasi experiment research, the researcher design assigns intact group in experimental and control treatments, using pre-test and post-test t both group, conducting experimental treatment activities with the experimental group only was treated by using Possible Sentences Strategy.

In this research, the researcher used two classes. The first was used as experimental class taught by using possible sentences strategy on students' vocabulary comprehension in reading and another one was used as a control class taught without using possible sentences strategy on students' vocabulary comprehension. So, the design of this research can be illustrated as follow:

Table III . 1
The Research Design

Class	Pre-Test	Treatment	Post-Test
Experiment	O ₁	X	O ₂
Control	O ₃	-	O ₄

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Where:

- O_1 = pre-test of experimental class
 O_2 = post-test of experimental class
 O_3 = pre-test of control class
 O_4 = post-test of control class
 X = receive the treatment, that using Possible Sentences Strategy



B. The Location and Time of Research

This research was conducted at SMAN 1 on Sudirman street, Bangkinang.

The time of this research was conducted on 28 April until 28 August 2017.

C. The Subject and Object of the Research

1. The Subject

The subject of the research is the eleventh grade students of at SMAN 1 Bangkinang Kota.

2. The Object

The object is the effect of using possible sentences strategy toward students 'vocabulary comprehension of the eleventh grade student at SMAN 1 Bangkinang Kota.

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D. The Population and Sample of the Research

1. The Population

The population of the research is the eleventh grade students of SMAN 1 Bangkinang Kota. There are 118 students which are consist of five classes.

2. Sample

The population above was large enough to be taken as sample of the research. According to Gay and Airasian (2000:129) Cluster sampling randomly select group, not individual. Besides, Cluster random sampling is most useful when the population is large on spread out over a wide geographic area. Strategy was used in cluster random sampling was recommendation by the English teacher in SMAN1 Bangkinang Kota. So, the samples of this research are XI Science 5 as experimental class, and XI Science 6 as control class.

E. The Technique of Collecting Data

In this research, the researcher used a test as technique of collecting data. The students were tested by answering multiple choices question. The test was given before and after the researcher taught the students by using possible sentences strategy to the experimental class. While teaching without possible sentences strategy was applied to the control class. It was called pre-test and post-test. The function of pre-test is to know students' vocabulary comprehension before being taught by using possible sentences strategy and the function of post-test is to know the influence and the effectiveness of using possible sentences strategy on students' vocabulary comprehension in reading .

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F. The Technique of Data Analysis

In this research, the data were analyzed by using statistics which was SPSS 16 version independent T-Test. The result of T-Test analyzing could be seen on the SPSS output. The significance level chosen in the analyzing the score t_0 (t_{observed}) was 5% Or 1 %.

Ha was accepted if $t_0 > t_{\text{table}}$

Or if probabilities smaller than 0.05

It means there was significance difference those taught by possible sentences strategy and those were not

Ho was accepted id $t_0 < t_{\text{table}}$

Or if probabilities bigger than 0.05

It means there was significance difference those taught by using possible sentences strategy and those were not.