**CHAPTER III**

**METHODOLOGY**

* 1. **The Design of Research**

This research is conducted in experimental design. There are two variables in this study, namely Two Stay Two Stray Strategy as independent variable and speaking ability as dependent variable.

In conducting the experimental research, the sample is divided into two groups: the experimental group teach by using Two Stay Two Stray Strategy (TS-TS) Strategy and control group teach without using Two Stay Two Stray (TS-TS) Strategy. Both of the groups will get pre-test and post-test with the same items

**TABLE 3.I**

**DESIGN OF THIS RESEARCH AS FOLLOW**

|  |  |  |  |
| --- | --- | --- | --- |
| Group | Pre- test | Treatment | Post Test |
| Experimental |  | Using Two Stay Two Stray Strategy |  |
| Control |  | Without using Two Stay Two Stray Strategy |  |

In the experimental and control group, before giving the treatment the pre –test is giving to both, experimental and control group. The instrument is given to experimental group for three times. Then the post is giving to both groups.

* 1. **The Population and Sample**
		1. **Population**

Arikunto (2010:173) stated that a population is a set or collection of all contents processing one more attributes of interest. The population of this study is the students at the Ten Grade of SMA NEGERI I SILINDA Academic Years. They are X1, X2, X3, X4, the total numbers of students 160 students.

* + 1. **Sample**

 Arikunto (2010:102) stated that If the population more than 100 people, the sample can be taken 25%-30% from the number of population. Based on the definition above the researcher will take class X1 , for 20 students as experimental group and class X2, for 20 students as control group. Total sample will be 40 students.

* 1. **The Variable and Indicator**

Based on the title above, there are two variable in this research, they are:

1. Independent variable is Two Stay Two Stray Strategy which called variable X
2. Dependent variable is teaching speaking ability which is called variable Y.

The indicator of the research is the students’ speaking ability after two different treatment done.

* 1. **The Instrument of Collecting Data**

These instrumental will be used for collecting data:

1. **Oral Test**

Oral test will be give to the students to know their vocabulary, accuracy, pronunciation and fluency in English. The researcher will ask the students to speak up about their experiences which relate with vacation topic In front of the class after they discussing in their group by using Two Stay Two Stray Strategy.

1. **Recorded materials**

The researcher will use it to record the oral test .

**3.5 The Technique of Collecting Data**

There are two group of data, those of the experimental and the control groups. In this research the researcher gives the test collect the data about the students. The result is treated as decision to go on further step of the research.

The researcher gives an oral test to get the data. There is topic such a vacation topic. After that, they present the topic in front of class.

In this research, technique in collecting data as followed:

**Test**

 Arikunto (2005 : 53) stated that test is a tool or procedure which measure or determine by means of rules that have been determined. Test is used to determine whether students’ ability increase or not. There are pre-test, treatment, post-test.

**3.6 The Procedure of The Research**

In this research technique collecting data as followed:

1. **Pre-test**

Before starting the experiment the teacher administrated pre-test to see whether the data of the two group where homogenous. The researcher will ask the students about vacation based on their experiences orally before give the treatment

1. **Treatment**

In order to obtain the effect of Two Stay Two Stray Strategy in speaking, the samples will be treated in different ways: using Two Stay Two Stray (TS-TS) Strategy in experimental group and without using Two Stay Two Stray (TS-TS) Strategy in group control

**TABLE 3.2**

**TREATMENT FOR EXPERIMENTAL AND**

 **CONTROL GROUP**

|  |  |  |
| --- | --- | --- |
| No | Experimental Group | Control Group |
| 1 | Greeting to the students | Greeting to the students |
| 2 | The teacher asks the students’ opinion the topic (vacation) based on their experiences in daily life | The teacher asks the students’ opinion the topic (vacation) based on their experiences in daily life |
| 3 | The teacher divides students into groups consist of four students and discuss in group about the topic | The teacher gives them the vocabularies that relate with topic |
| 4 | Teacher provides task and question that must be completed in a group | The teacher gives some explanations about topic  |
| 5 | Teacher gives some vocabularies that relate to the topic | The teacher provides some example based on the titles and keywords  |
| 6 | The teacher asks the two students as the stayers and the strayers and changes the information from each group | The teacher asks the students about the topic |
| 7 | The teacher asks the students to match the work each other and present the result in front of the class | The teacher gives the task about the topic for each students and collect it  |
| 8 | While they are doing the presentation, the teacher recorded all their words and countdown their time |  |

1. **Post-Test**

 After the treatment, post-test is given to both of group to get mean score both of experimental and control group. The result of both groups will analyze to find out if the effect of Two Stay Two Stray Strategy for students’ speaking ability is significant or not. The researcher will ask the students about the topic orally after they discussing in group by using Two Stay Two Stray Strategy.

* 1. **The Scoring of Speaking Ability**

 In relation on the evaluation of the students’ speaking ability, there are some criteria that should be considered. Brown (2007) stated that oral communication can be maintained by having four components. The first one is vocabulary, the second component is accuracy, the third component is pronunciation, the fourth is fluency.

* 1. **The Technique of Analyzing Data**

In order to know the effect and the rest of using Two Stay Two Stray Strategy on the students speaking ability, the researcher get the data by speaking test the procedure for analyzing the data are:

1. Divide the data and give the score into vocabulary, accuracy, pronunciation and fluency.
2. Compare the score into pre-test and post test

It is need analyze the data and researcher will use t-test formula as follow that develop by Arikunto ( 2010:354) in the following:

$$t=\frac{M\_{X-M\_{y}}}{\sqrt{\left[\frac{dx^{2}+dy^{2}}{Nx+Ny-2}\right]\left[\frac{1}{Nx}-\frac{1}{Ny}\right]}}$$

Where:

t = the effect

Mx = the mean of experimental group

My = the mean of control group

dx2 = standard deviation of experimental group

dy2 = standart deviation of control group

Nx = the total number sample of experimental group

Ny = the total number sample of control group.