CHAPTER III

RESEARCH METHOD

3.1 Research Design

The design of this research is Quantitative Research Method to describe the students understanding about grammatical mastery especially in Simple Present and Past Tenses in second semester students of English Study Program FKIP Universitas Islam Riau. As said by Leedy (1993) said that quantitative research method concern with numbers and investigate something in systematic ways to measure the purposed variables of the research.

3.2 Location and Time of Research

The researcher took the population from at the second semester students of English Language Education Program FKIP Universitas Islam Riau at Kaharuddin Nasution Street No.113 Perhentian Marpoyan Pekanbaru. Then, this research was conducted on April 2018 year.

3.3 Population and Sample of the Research

3.3.1 The Population

The population in this study were students at the second semester English Language Education Program in academic year 2018/2019. In second semester has four classes, such as: II A, II B, II C, and II D. Every class consist of 37 students. The overall of the students second semester English Language Education Program has 146 students. For more detail, the information about the population is presented in the following table:

TABLE 3.1

Population

No	Class	Number of students
1	A	37
2	B	37
3	C	38
4	D	34
	Total	146

3.3.2 The Sample

In line with stated by Margono (2004), sampling technique is a way to determine the number of samples according to the sample size that used as the actual data source, taking into account the nature and distribution of the population in order to obtain a representative sample.

Based on the theory of selecting Cluster Sampling which As stated by Margono (2004), Cluster Sampling is the technique is used when the population does not consist of individuals, but consist of individual groups or clusters. The researcher got one class as a sample. The sample is II D. Based on entire students at the second semester English Language Education Program FKIP Universitas Islam Riau

Table 3.2

Subject of the Research

No	Class	Sample
1	2D	34
	Total	34

$$\frac{number\ of\ samples}{total\ number} \times 100\%$$

$\frac{20}{34}$ X 100% = 58%

3.4 Instrument of the Research

3.4.1 Test

The research Instrument used in this study consisted of written test with 70 questions (10 Declarative Test and 60 Procedural Test) questions with three parts;

(1)   Test about affirmative forms of simple present and past tenses.

(2)   Test about negative forms of simple present and past tenses.

(3)   Test about interrogative forms of simple present and past tenses.

Table 3.3
Indicators of Declarative Test

No		Number of items Simple Present	Number of items Simple Past Tense
1	**Definition**	1	1
2	**Adverb Use**	1	1
3	**Affirmative**	1	1
4	**Negative**	1	1
5	**Interrogative**	1	1
	Total of Question	5	5
			10

Table 3.4
Indicators of Procedural Test

No	Indicators	Number of items Simple Present	Number of items Simple Past Tense
1	**Affirmative**	10	10
2	**Negative**	10	10
3	**Interrogative**	10	10
	Total of Question	30	30
			60

3.5 Data Collection Technique

For collecting the data, the researcher needs some procedure, the procedure guide researcher in found the student grammatical mastery, the procedure is:

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a.   The researcher created blank sentences about grammatical mastery especially understanding form of simple present and past tense.

b.   The test has affirmative, negative, and interrogative sentences. In Declarative Knowledge Test have 5 questions in Simple Present and Past Tenses. Then, in Procedural Knowledge Test have ten (10) questions in simple present and past tenses.

c.   The researcher shared the paper question in the class 2D

d.   Before the students fill the blank sentence, the researcher explained about the material and gave one examples that same with question in the paper. After that, the students read the question carefully and filled the blank sentences.

e.   The students fill the Declarative and Procedural Test during 70 minutes, if the timing is over; students should submit their paper.

3.6 Data Analysis Technique

The researcher identified the data with proportionate stratified cluster sampling. This sample got one group students as a sample. For analyzing the data, the researcher used Surface Strategy Taxonomy, this strategy shows the data by using the following formula:

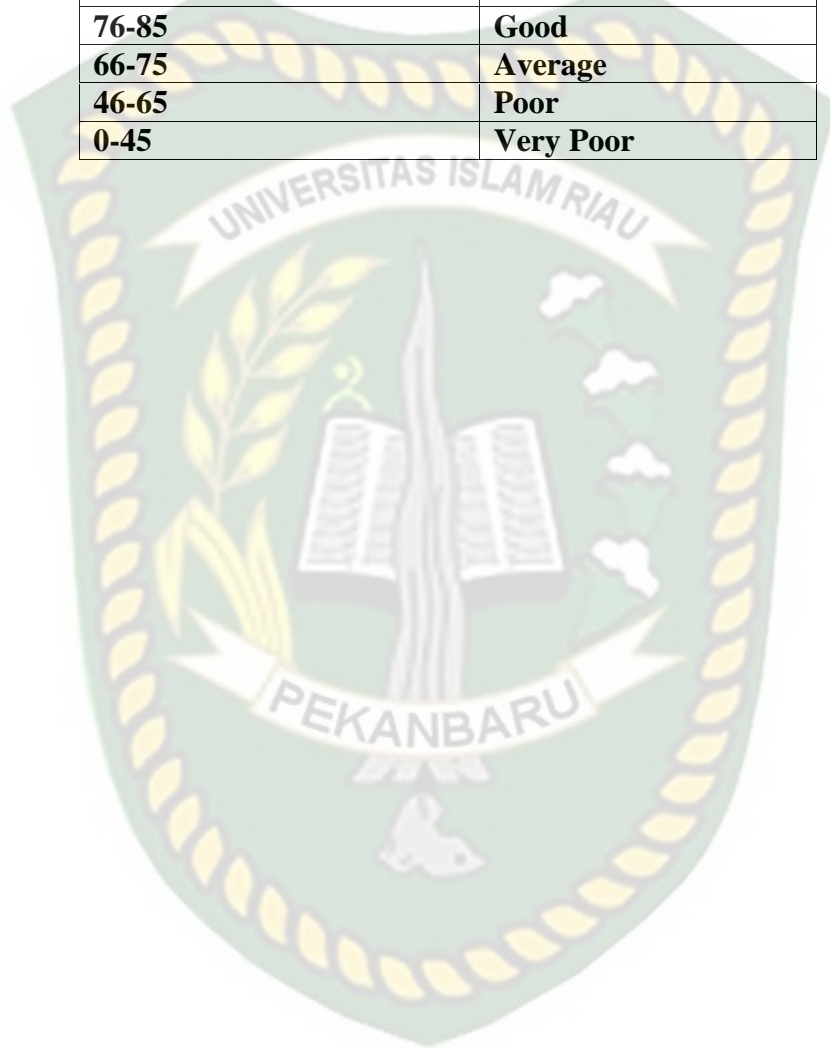$$\% = \frac{f}{n} \text{X } 100\%$$

% = Percentage of Error

f = Frequency of Class error

n = Total Number of Sample

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Table 3.5

The table of students' scores in grammatical mastery

Score Rage	Description
86-100	Excellent
76-85	Good
66-75	Average
46-65	Poor
0-45	Very Poor