

CHAPTER III

RESEARCH METHOD

A. Research Design

The type of this research is field research which the writer gives a Grammar TOEFL Prediction test to second semester students at English Department of IAIN Antasari Banjarmasin academic year 2015/2016 in expression of Noun and Verb Phrase, Pronouns, subject Verb agreement, etc; and the most common error materials of Grammar TOEFL Prediction test result of second semester students at English Department of IAIN Antasari Banjarmasin academic year 2015/2017. While, the approach of this research is quantitative data based on computation and measurement, operational variables and statistics. The data measured are in the form of numbers.

Based on the statement, quantitative research focuses on numerical data that is analyzed using statistic method. Quantitative research basically is used for concluding the result to know the answer. By using it, the difference or the relation between the variables will be gotten. In doing so, the writer intend to use quantitative research to complete the study.

B. Research Setting

The writer conducts the research at English Department that is located at IAIN Antasari Banjarmasin on A.Yani street Km. 4,5. This college is as the location for this research because the writer want to know the most common error materials of Grammar TOEFL Prediction Test of Second Semester students,

firstly analyzing the result of Grammar TOEFL Prediction Test. Conducting this research from second semester students has done Grammar TOEFL Prediction test until finishing analyzed the result and the most common error materials of Grammar. This research conducts about two months, from 20th April until 20th June 2016.

C. Subject and Object of Research

1. Subject of the Research

The subject of research is second semester students at English Department of IAIN Banjarmasin Academic year 2015/2016. The writer gives Grammar TOEFL Prediction Test for the second semester students at English Department of IAIN Banjarmasin Academic year 2015/2016.

Table 3.1. Subject of the research

Academic Year	Class Students		Total
	Male	Female	
2015/2016	44	125	169

(Source: Administration staff of English Department Tarbiyah and Teachers Training Faculty at IAIN Antasari Banjarmasin)

Sample of this research is all of the second semester students' population. The students' answer will be analyzed and will be known which the most common error materials of Grammar are. There were no two students when giving a test, so total of testers is 167 students.

2. Object of the Research

The object of this research is the result of Grammar TOEFL Prediction test of second semester students at English Department of IAIN Antasari academic year 2015/2016.

D. Sources of Data

1. Data

The data collected in this research are the following:

a. Primary data

- 1) The data of result of Grammar TOEFL Preparation Test of Second Semester Students at English Department
- 2) The data about the most common error materials of Grammar TOEFL Preparation Test of Second Semester Students at English Department.

There are several topics in Grammar area of this research;

- a) Verb tenses
- b) Prepositions phrases
- c) Gerunds
- d) Active/Passive voice
- e) Subject/verb agreement
- f) Subordinate Clauses
- g) Parallel structure
- h) Form/function

b. Secondary data

To complete the primary data, the writer also collects the secondary data that related to the research location as mentioned as follows:

- 1) The data about brief history of English Department of IAIN Antasari Banjarmasin.
- 2) Description about Head master, lecturer, administration staff, and First semester students at English Department of IAIN Antasari Banjarmasin.

2. Source of Data

The sources of data in this research are:

- a. Respondents : All of the students at the Second Semester of English Department of IAIN Antasari Banjarmasin Academic year 2015/2016.
- b. Informants : Headmaster, English lecturers and administration staff of English Department of IAIN Antasari Banjarmasin.
- c. Documents : All important documents that are needed in research, such as list of Second semester students.

E. Data Collecting Procedure

To collect the data, the writer uses the following, they are:

1. Test

This technique is used to collect the data about the result of Grammar TOEFL Prediction Test of Second semester students at English Department of IAIN Antasari Banjarmasin Academic year 2015/2016. The type of the test is multiple choices. It is contain forty items and typically lasts 25 minutes. The test was taken from several sources, like TOEFL book and Websites.

2. Documentary

Documentation is a method to collect the data through analyzing the documents. The document is a note of important thing which had done. In hope, the privacy of the document must be kept. This technique is aimed at looking for all of Second semester students written results of Grammar TOEFL Prediction Test or documents which keep any detailed records of brief history of English Department and the conditions of lecturers, administration staff, students, and facilities of the collage.

3. Interview

Interview is a meeting between two people to discuss about something through question and answer process. Interview is used as method to collect the data and to ask some of students at English Department of IAIN Antasari Banjarmasin in order to know about the condition of the students, how the process in answering the TOEFL Prediction Test for Placement Test, the reason why use TOEFL Prediction Test for placement test and the result of TOEFL Prediction Test for placement test, and the data whose that have taken TOEFL Test before.

F. Design of Measurement

1. Types of Test

This research uses objective questions test; 40 questions of multiple-choice, which are divided into two parts; (1) 15 questions in part A, the testers

need to find the word or phrase that correctly completes the sentence (2) and 25 questions in part B, the testers need to identify which one of the underlined words or phrases is incorrect in the sentence.

2. Calculation of TOEFL Score

The Maximum Score for the test is 68 and the minimum score is 20. The score of Grammar TOEFL Prediction test will be categorized into five levels (based on Standard score of structure in TOEFL count) as follows:

57-< 68 : Excellent

49 -< 56 : Good

41 -< 48 : Fair

31 -< 40 : Low

20 -< 29 : Poor

Mean of the score is obtained by the formula below:

$$M = \frac{\sum X}{N}$$

Description:

M : Mean

$\sum X$: Accumulative Score of variety

N : Number of the respondents

G. Technique of Data Processing

Data processing is divided into five phases as follows;

1. Editing

This technique is used in the purpose of re-examining all the collected data to make sure whether they have already completed or not.

2. Coding

The writer makes certain codes on all collected data to classify them into each category.

3. Frequency computation

After each data are coded and classified properly, each answer given by the respondents is computed and presented in the tables of frequency.

4. Tabulating

The collected data is tabulated based on frequency to analyze each error items by using formula as follows:

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

Note:

P : Percentage

F : Frequency of answer from respondents

N : Number of respondents

n : Total of items

The collected data is tabulated based on frequency of respondents by using formula as follows:

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

Note:

P : Percentage

F : Frequency of answer from respondents

N : Number of respondents

H. Data Analysis

After giving a test and collecting the data, the next step is data collecting. There are three steps of analyzing the data. The first is analyzing every item that is suitable with materials of Grammar. The second is finding out result of Grammar TOEFL Prediction Test from all of second semester students. The third is counting the most common correct and the most common error materials of Grammar TOEFL Prediction Test by putting certain data into tables.