

## **CHAPTER III**

### **RESEACH METHODOLOGY**

#### **A. Research Design**

In this research, the researcher uses descriptive quantitative method. The quantitative is an approach emphasizing quantitative analysis numerical data (numbers) are processed with statistical methods. Azwar (2005:5). It means that the writer tries to measure and analyze the students' mastery particularly on adverb clause.

#### **B. Research Setting**

The location of this research is at English Education Deparment of Tarbiyah and Teachers Training Faculty, A. Yani Street, Km. 4,5 Banjarmasin Timur, Banjarmasin City, South Kalimantan. This research applies to English Education Department students who are fifth semester academic year 2017/2018.

The time of the research was 1 week to finish distributing and getting all the data from the respondent and the informants.

#### **C. Population & Sample of the Research**

##### **1. Population of Research**

The population of this research is all of the fifth semester students at English Education Department of Tarbiyah and Teachers Training

Faculty academic year 2017/2018. There are five classes of fifth semester students, consist of 159 students. To know the total number of population can be seen in the following table :

The population of the fifth semester students of English Education Department at Tarbiyah and Teachers Training Faculty academic year 2017/2018.

Table 3.1 The population of the fifth semester students.

Academic Year	Classes	Total
2017/2018	A	30
	B	34
	C	32
	D	28
	E	35
Total		159

## 2. Sample of the Research

The researcher takes the sample of population by using sampling jenuh or saturated sampling for this research. According to Sugiono (2001: 61), sampling jenuh is all member of population will be taken as the sample of this research, this sample is used if the researcher wants to make generally by the smallest mistake or invalid. it can be seen in the following table:

Table 3.2 Sample of Research

Academic Year	Classes	Number of Students	Sample
2017/2018	A	30	30
	B	34	34
	C	32	32
	D	28	28
	E	35	35
Total		159	159

### 3. Subject of the research

The subject of this research was the fifth semester students at English Education Department of Tarbiyah and Teachers Training Faculty academic year 2017/2018. They are all fifth semester student whom had been chosen which consist of 159 students.

### 4. Object of the research

The object of this research are the mastery level of the fifth semester students on adverb clause at English Education Department of Tarbiyah and Teachers Training Faculty.

#### D. Research Instruments and Design Measurement

The instrument that researcher used in this research is written test. The researcher will examine the level mastery of the fifth semester students by giving them 20 items in multiple choice test, every right answer of multiple

choise test will be scored 4 and wrong answer will be scored 0. Total score is 100 points.

Mean of the score is got by the pattern below :

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

M = Mean score

$\sum X$  = Accumulative Score

N = Number of respondent

The students's score will be categorized into five levels based on David Harris as follow (Harris, 1969:9).

80 – 100 : Exellent

70 – <80 : Good

60 – <70 : Fair

50 – <60 : Low

0 – <50 : Verry Low

## **E. Data and Sources of Data**

### **1. Data**

The data which is investigated in this research consist of the data about the fifth semester students' mastery on adverb clause at English

Education Department of Tarbiyah and Teachers Training Faculty  
Academic Year 2017/2018.

## 2. Source of Data

The source of data which is investigated in this research is all the fifth semester students at English Education Department of Tarbiyah and Teachers Training Faculty Academic Year 2017/2018 with the total number 136 students as respondents.

## F. Technique of Data Collecting

To collect the data in this research, the writer uses written Test. The written test technique is used to collect the data of the fifth semester students' mastery on adverb clause in multiple choice form by the fifth semester students at English Education Department of Tarbiyah and Teachers Training Faculty Academic Year 2017/2018. It means the researcher came to class directly to test the fifth semester students, and giving them 40 minutes to answer 20 items.

## G. Data processing and Data Analysis Procedure

### 1. Data Processing

Data processing is divided into five phases as follows :

#### a. Editing

This technique is used in the purpose of re-examining all the collected data to make sure whether they have already been

completed or not. It means the researcher collect the paper test from all the fifth semester students that it took 1 week to do it.

b. Coding

The writer makes certain code on all collected data to classify them into each category. It means after the researcher collected the data, the researcher classified the students' answer whether that is correct or not. Then, the writer gave the score for every paper.

c. Frequency computation

After each data are coded and classify properly, then each answer given by respondents is computed and presented in the table of frequency. It means the researcher made a table to present the data. The researcher made 2 tables of frequencies.

d. Tabulating

The writer tabulates all the data based on the frequency computing of each certain answer by answer the following formula :

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

P = Percentage

F = frequency of answer from the respondents for each item question

N = Number of respondent

It means the researcher tabulates all the data that have been counted their frequency.

## 2. Data Analysis

All the collected and processed data then analyzed descriptively and quantitatively. Data analysis is a process by which data simplified into a form can be read and interpreted easily. Data analysis here is to know and describe the mastery level of the fifth semester students on adverb clause at English Education Departments of Tarbiyah and Teachers Training Faculty Academic Year 2017/2018 from written test to increase the researcher about the study and to be understood by ourselves and others. After collecting the data, the researcher analyzed the data. In analyzing the data, the researcher used some step in order to analyze the data easily. The steps are as the following:

### 1. Knowing the mastery level

In this step, the researcher knew that the mastery level of the fifth semester students by the score.

### 2. Knowing the most common difficulty

In this step, the researcher knew that the most common difficulty of the fifth semester student by the percentage of the wrong answer.