

Chapter Three

Methodology

This chapter discusses the methodology used in this study. There are four points on this chapter which consists of research design underlying the study, population and sample, instrument of the study, data collection method, and data analysis

Research Design

Burns and Grove (2003:195) have defined a research approach and design as “a blueprint for conducting a study with maximum control over factors that may interfere with the validity of the findings”. To determine whether the researcher has to use quantitative research or qualitative research is actually depending on the some points such as the problems, the questions, and the literature review (Creswell, 2012). This research used quantitative research that was suitable with the research that the researcher takes.

Quantitative research method is a method used to investigate the object (society) which can be measured by numbers, so that the symptoms observed can be investigated/measured by using scales, indexes, or tables, all of which are more using an exact science (as cited in Ranuary, 2012).

Survey was chosen as appropriate design in this research. From survey the researcher could gather many participants in order to make the result rich. The other purpose is the researcher wanted to find the percentage about how many students that have a willingness to be a teacher. “Survey is gathering standardized

information an processing statistically” (Cohen, Manion, & Morrison, 2011 , p.256). Therefore, the survey design is suitable for this research.

Research Setting

This research was conducted at EED UMY. The reasons why the researcher chose EED UMY was based on the researcher’ experiences. The first that based on personal informal survey there were EED UMY students who were not interested in becoming a teacher. The second, EED UMY is the institution that the researcher studies, so that it will be easier to manage the process of gathering the data. The third, the researcher conduct this research in EED UMY due to the effectiveness of time and accommodation during the research. The collecting data of this study was conducted in June 2017.

Population and Sample

Population. Based on Creswell (2012), population is a group of individuals who possess one characteristic that distinguishes them from other group. The population of this study is all students on EED UMY batch 2014 class A, B, C, and D. There were 151 students. Therefore, the populations of this study are 151 students batch 2014. The researcher got the number from the administration office. The researcher took the students from batch 2014 with some considerations. First, they have gone through 3 years of study in EED UMY. It means that they have been educated as an English teacher. The researcher also assumed that students of 2014 can answer the questions based on their experiences and pure willingness.

Sample. Gay and Diehl (1992) stated that sample of the research should be as many as possible because as many sample size are taken, it will be more representative and the result of the research can be generalized. In this study, the number of population was 151 students of EED UMY batch 2014. Based on the population above, the researcher got the number of the sample based on formula of Notoadmodjo (2010), as follows:

$$n = \frac{N}{(1 + N (d)^2)}$$

Explain:

<p>n = Sample Size</p> <p>N = Population</p> <p>d = Level of confidence/accuracy desired (0,05)</p>

$$n = \frac{151}{(1 + 151. (0,05)^2)}$$

$$n = \frac{151}{(1 + 151.0,0025)}$$

$$n = \frac{151}{(1 + 0.3775)}$$

$$n = \frac{151}{1.3775}$$

$$n = 109.618$$

$$n = 110$$

Therefore the number of the population of this research was 110 participants.

Data Collection Method

This research used questionnaire as the data collection method. This research applied several procedures for gathering the data from the participants. The following are the description of the instrument that were used in this research and the procedure of collecting the data.

Instrument. There are three research questions or objectives in this study. The first objective is to find out the students' main reasons to choose EED UMY as their major. The second objective is to find out the students' job preference after graduation. The third is find out the students' main factors in choosing job. The researcher used questionnaire for gathering the data. Questionnaire is an instrument in collecting data which consists of series of questions and it is used for gathering the information from respondents (Abawi, 2013). The questionnaire is widely used and useful instrument for collecting the data or information, providing structured, numerical data, being able to be administered without the presence of the researcher and often being comparatively straightforward to analyze (Cohen; Manion; Morrison, 2011). This research used the questionnaire for answering the three research questions. To get the data for the first research question, the researcher used questionnaire with six-points which are: A good English Skill, Family support, Influenced by influential people, Desire to be English teacher, Willingness to mastering English language and grammar, and Other. The second research question was answered with obtaining six-point which are: Personality, Salary, Chance, Benefit, Future dreams, and Other. The last third

research question was answered by choosing the six-point: English teacher, Interpreter/Translator, Entrepreneur, Business Management (Banker, Accountant, Manager), Communication/ Media (Radio announcer, TV Crew, PR, Journalist), Other. There was one extra question for each question in form of open ended question to the respondents who choose the “others” point. It is aimed to make the respondent give the short answer to explain more about what the students have chosen. Furthermore the researcher code up the data gathered from open ended question and classify each answer in form of table.

The questionnaire was created based on the statements from several journals, it is inserted in appendix. The questionnaire items use Bahasa Indonesia in order to make the respondents understand more easy when they were asked in their mother tongue language.

Data collecting procedure. To collect the data the researcher asked permission to the lectures to distribute the questionnaire in each class. The next step was distributing the questionnaire. The researcher explained to the respondents about the procedure in filling the questionnaire. After filing the questionnaire, the respondent directly gave the paper back to the researcher. Thus, the questionnaires was distributed to the 110 students of class A, B, C and D of EED UMY batch 2014.

Validity and Reliability

Finnachiaro and Sako (1993) stated that content validity is solid by checking all items in the questionnaire to make certain that they correspond to the instructional objective of the course. The researcher involved three expert

judgments to analyze the validity of the questionnaire items and used SPSS 21 to check the reliability. The expert judgments were three EED UMY lecturers who master this research's topic. The researcher distributed the form for the expert judgment with the result as seen in Table:

No. Butir	Rater 1	Rater 2	Rater 3	S1	S2	S3	$\sum s$	V	Validity
1	4	5	5	3	4	4	11	0,91	High
2	5	5	4	4	4	3	11	0,91	High
3	5	5	5	4	4	4	12	1	High

Data Analysis

In this research the data analysis used descriptive statistic. The descriptive statistic was used to answer all the research questions. Descriptive statistic is used to describe and present the data (Cohen; Manion & Marrison, 2011: 606). To analyze the data, researcher used software SPSS (Statistical Product and Solution Service) 21. Moreover, descriptive statistic present the numerical data that consists of frequency, highest and lowest. All data from the three research questions that have been processed using SPSS will be delivered with percent and completed with a bar chart. The researcher presents the data with a bar chart to make it more easily to read and understood. Moreover, for the data obtained from open ended questions, the researcher codes it and categorizes each answer in the frequency table.