

CHAPTER III

RESEARCH METHOD

A. Research Design

In this study, researcher used the Mixed Method Research. According to Creswell (2014) mixed method is a research approach that combines or connects qualitative and quantitative forms in the stages of the research process and research methodology, so that using the Mixed method can produce comprehensive facts in researching research problems.

The purpose of this mixed research method is to find the results of research through questionnaires filled out by students and teacher, as well as the results of interviews that will be answered by students and teacher who use the Exambro application. In this study the researcher took from the results the highest percentage of student answers, so in this study the researcher provide an overview and summary of how the Exambro application can be used in conducting English exams in MAN Kapuas.

B. Research Setting

The research was conducted at MAN Kapuas. Jl. Keruing No.48, Selat Tengah Village, Selat District, Kapuas Regency, Central Kalimantan 73516. In this research, researcher conducted research for approximately two months, starting from July 22nd to 21st September, 2019. This school was chosen as a place of researcher knew that this school used Exambro

Application in English examinations. The type of examinations in this Exambro application is Final Semester Examinations at the school.

C. Participants / Subject

The Participants or subjects in this study were students of XII IPA 2, XII IPS 3, and XII PAI at MAN Kapuas and English teacher who used the Exambro application in their English exams. Student XII IPA 2 is 32, XII IPS 3 is 27, and XII PAI is 30 students. The total is 89 students from each class, the researcher selected 5 students to be interviewed, so the total of interviewees is 15 students. Other than that there is also an English teacher who uses the Exambro application who becomes participant or subject in this study.

No.	Class	Students	Teacher
1	XII IPA 2	32	1
2	XII IPS 3	27	
3	XII PAI	30	
Total		89	1

Table 3.1 Participants that use Exambro Application

D. Data

1. Data

In this research, researcher need all of data about the teacher of using Exambro application in English examinations. In addition, researcher also need all of data about students' and teacher's perceptions about using Exambro application in English examinations. All data taken by the researcher through some kind of instrument, there are Observation, Interview, Questionnaire, and Documentation.

2. Source of Data.

The data above was collected through some sources as follow:

- a. Teacher, who use Exambro application in his class for English examinations;
- b. Students, all of students in class XII IPA 2, XII IPS 3, and XII PAI the students of the teacher who use Exambro application.

E. Techniques of Data Collection

In collecting data, Researcher used 4 data collection instruments, namely:

1. Observation

Collecting data through observation, Researcher came directly and participates in observing the learning process in the class using the Exambro application. The researcher observed how the teacher used or applied Exambro in English examinations by observations sheet. The researcher also observed how students react when doing exams using

the Exambro application. Observations made in Class XII IPA 2, XII IPS 3, XII PAI which was this classes that used the Exambro application in English examinations. The researcher observed the activities of all students in class XII IPA 2, XII IPS 3, XII PAI. The observation conducted on July 26th and 31st , and August 2nd , 2019, on these observations the researcher saw firsthand the practice of using the Exambro application and students carrying out simulation classes on the practice of answering exam questions using the Exambro application.

2. Interview

The researcher conducted an interview to find out the students' and teacher's perceptions about the use of the Exambro application at MAN Kapuas, this interview were also conducted to reinforce the answers from the students and teacher they had answered on the questionnaire. The researcher interviewed fifteen students in three classes and one of English teacher that use the Exambro application. The researcher carried out interview in the classroom or outside the classroom, depending on the situation and conditions. The researcher also interviewed with English teacher about his perception and how to use Exambro application in English examinations.

3. Questionnaire

Questionnaires are shared with students and one of a teacher to find out their perceptions of using Exambro application. Researcher shared this questionnaire with 89 students in class XII IPA 2, XII IPS 3, and XII PAI and one of a teacher who used the Exambro application as

media in conducting English examinations. In this research, the researcher made 22 statements in the questionnaire, 9 statements for the English teacher, and 13 statements for the students. The questionnaire consist of 3 aspects that researcher want to find out, namely about students' and teacher's knowledge of Exambro application, perception of students' and teacher who agree to use the Exambro application, and perception of students' and teacher who disagree to use Exambro application. The researcher distributed a questionnaire to students on Monday and Tuesday, September 9th and 10th, 2019, and asked students to collect again on Monday, September 16th, 2019, and also researcher distributed a questionnaire to teacher on Monday, September 9th, 2019.

4. Documentation

This technique is taken to collect data from supporting documents such as: pictures of guidance to use Exambro application, photos of observation and interview, screenshots of student answer sheet, early control at the time of the exam, control results after the exam is complete, and student assessment report.

F. Data Analysis

After researcher obtained data from questionnaires and interviews, the data obtained will be analyzed by checking the clarity and completeness. Then after being considered complete and clear, the researcher identified from the answers in each statement with 4 types namely Strongly Agree, Agree, Disagree, and Strongly Disagree. At this stage the researcher will

organize and present clear data in a form that is easily understood by the reader. After the researcher got votes from students and teacher, both from the questionnaire and from the results of the interview, as explained by researcher in the Techniques of Data Collection, the researcher counted the votes manually with many students 89 students with a questionnaire consisting of 13 statements, and 1 English teacher with a questionnaire consisting of 9 statements. For the interview, the researcher interviewed 15 students from each class representative and 1 English teacher, in this interview the questions asked are 28 questions, with 19 questions asked to the teacher and 9 questions asked to students.

After the researcher got the results from the questionnaire, researcher count manually, namely by counting how many votes who voted Strongly Agree, Agree, Disagree, and Strongly Disagree. After the researcher got the results of the calculation of the total number of the questionnaire, the researcher enters the data obtained into the diagram. For the results of the interview, the researcher combines and concludes what the researcher obtained from the answers of students and teacher.

The design used in this study is a sequential exploratory, according to Creswell (2014) namely the design of qualitative data collection and analysis conducted in the first stage then followed by the collection and analysis of quantitative data in the second stage based on the findings of the first stage. Finally, the stages of the process of mixing between qualitative and quantitative research results link qualitative analysis and quantitative data collection. Which is the main weight of this design is qualitative data.

The purpose of using a sequential exploration strategy is to use quantitative data and produce complementarily to interpret qualitative findings, or vice versa. The main focus in this strategy is exploring the Exambro application given based on the perspective of the teacher and students who are the subjects in this study. The use of this strategy is expected to facilitate researcher in describing and reporting research results.