Chapter III

Methodology

This chapter focuses on explaining several explanations regarding the methodology of this research. There are four sub-chapters that are included namely (1) Research Design, (2) Participant, (3) Data Collection, (4) Data Instrument, and (5) Data Analysis.

1.1. Research Design

This study investigated the students' perspective towards challenges during synchronous learning via WhatsApp group. Thus, the researcher decided to choose qualitative design in order to get deeper information and understanding regarding the students' perspective towards challenges during synchronous learning via WhatsApp.

Particularly, the researcher chose a case study approach to gain deeper insight into their perspectives towards the challenges during synchronous learning via WhatsApp group especially in speaking skills. A case study is designed to investigate the specific research questions and seeks evidence which is there in the case setting (Gillham, 2000). This case study was employed to figure out the students' perspective towards challenges during synchronous learning via WhatsApp group. The researcher was curious about students' perspective towards the challenges faced during synchronous learning via WhatsApp Group during the pandemic era.

1.2. Participants

This study was conducted at one of the senior high schools in Bandung, West Java. Several participants from XI grade of SMA in Bandung participated in this study. This grade was chosen since they have been learning material synchronously via WhatsApp during this pandemic era. Moreover, the writer believes that they are at an appropriate age so their perspective was more logical and valid. There were seven students who participated in the interview session who have been chosen from the questionnaire responses. They were chosen to represent those who chose "agree", "hesitate", and "disagree" regarding the statement about finding speaking

challenges during synchronous learning via WhatsApp group. Those participants written in initial names due to their privacy and in order to avoid confusion since the initial names can help readers to indicate who the owner of the statements is. Those initial names are SN, IG, NA,WR, AA, KM, and JA.

1.3. Data Collection

The researcher distributed the questionnaire to the students regarding their perspectives toward the challenges during synchronous learning via WhatsApp group especially in speaking skills as supporting data. The questionnaire that was utilized in this research is close-ended questions in Likert scale since it is useful and connected with the issue of the research (Creswell, 2009). Other than that, the researcher conducted a semi-structured interview as the main data since it is considered as an appropriate approach to pull elements from both, open-ended and close-ended, and put them into distinctive packages (Adams, 2004). This approach supported the validity of the data since this approach can be flexible to get the deeper information using "why" and "what" questions.

1.4. Data Instruments

There are 2 instruments that were used in this research namely questionnaire and interview. The statements and questions were written in Indonesian in order to avoid misunderstanding regarding the questions. There are 10 statements included in the questionnaire. The statements of the questionnaire have been attached in the appendix of this research. The scale options to respond to those questions were starting from "Strongly Agree", "Agree", "Hesitate", "Disagree", and "Strongly Disagree".

Meanwhile, the questions for the interview consist of 12 main questions. Those questions were written by referring to the questionnaire to get deeper information from the result of the questionnaire. There are several following questions that were not included in this instrument since the following questions were asked to gain more information regarding their answers. The questions of the interview have been attached in the appendix of this research

1.5. Data Analysis

The findings from questionnaire and semi-structured interviews that have been conducted by the researcher have been collected in one archive. The data from the questionnaire were analyzed by interpreting the percentage of the responses regarding the statements. Meanwhile, the data from the interview were analyzed by categorizing them into themes and drawing conclusions from the responses.