

CHAPTER III

METHODOLOGY

3.1 The Design of Study

The method that used in this study is a qualitative research and the case study is the design of this study. Qualitative research aims to comprehend phenomena pertaining to research participants' experiences, such as actions, attitudes, motivations, perception etc., through the use of language and words. The approach to this research is a qualitative approach because it has characteristic in accordance with the characteristic of qualitative research which this study is conducted to obtain the teachers' perception of using Hangman Game. This research was conducted on 2024 at Al-Azhar Medan Junior High School which located on Pintu Air IV street, Kwala Bekala, Medan. This school is located in the capital of North Sumatera. This research conducted at that school because the teachers at Al-Azhar Medan Junior High School use hangman game as one of media in teaching vocabulary.

3.2 The Data and Source of Data

Data is an important element in research in the form of collection of facts. The type of data which require in this research is qualitative data. In this research, the data is obtained by observation and interview. Not only the data is substantial component in qualitative research, but also the source of data is necessary component in qualitative research. This research conducted at Junior High School of Al-Azhar Medan where the primary sources or the subject of this research are the English teachers of Junior High School of Al-Azhar Medan and the secondary sources of this research are the students. The primary data of this research or the object of this research is the teachers' perception of using Hangman Games. The population of this research is teachers from Al-Azhar Medan Junior High School who have experience being an English teacher and use or practice the Hangman Game as a tool for teaching vocabulary. The totals of participants in this research consist of 2 English teachers.

3.3 The Technique of Data Collection

Considering that gathering data is the primary aim of research, data collection techniques deputize the most strategic stage of the research. Researcher cannot get data that satisfies the established data standards if have no knowledge of data gathering methodologies. To gain the valid data, the technique that used by the researcher in this research are as follow:

3.3.1 Observation

Observation is one of data collection technique that used in this research. Observation is a process of direct surveillance or watching of what happens in the field. Observation is used in this research due to researcher can observe the behavior and phenomena directly which can increase the precision or accuracy of the data collection and also observation use to get know the first problem of this research and the ambience that occur when English teaching use the Hangman Game. Those who will be involved in the observation in this research are teachers and students while the teaching and learning process is carried out. And the things should to observe for this research are as follows:

- a. Observe the teaching and learning process in English learning from the beginning until finish.
- b. Observe the preparation process carried out by the teacher in implementing learning using the Hangman Game in the classroom.
- c. Observe the steps taken by the teacher in the learning process using the Hangman Game.
- d. Observe the atmosphere that occurs in the English learning process when using the Hangman Game.

3.3.2 Interview

Interview is also one of data collection technique that used in this research which requires direct communication between the researcher and participants. The interview, one-sided questions and answers usually occur which are carried out based on the research objectives. This research use interview as a one of the data collection technique because interview can explore in depth the participants' thought or perception based on this research topic and also use to find out the second research problem. In this research, interviews are conducted at the final stage with 2 teachers to find out how the teachers perceive of using Hangman Games as a medium.

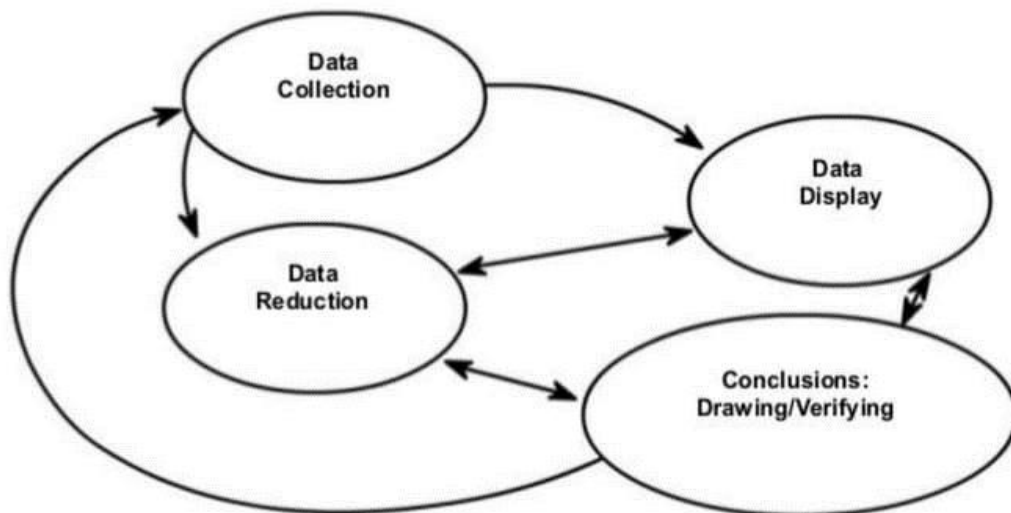
3.3.3 Documentation

This research also use documentation as the data collection technique. The documentation which taken are used as supporting data for the research, so that the results of the research which carried out can be presented more valid and complete. In implementing the documentation, researcher collect the photos, videos and the transcripts of interview that conducted during the data collection activities, interview or while the process of learning and teaching use Hangman Game is carried out.

3.4 The Technique of Analyzing Data

Data analysis is the process of systematically compiling data that obtained from observation or interview and other, so that the data can be easily understood. Bogdan & Biklen stated that data analysis technique is an effort carried out by working with data, analyzing data, sorting it into arrangeable units, looking for and finding patterns, finding what is necessary and what is needed, and deciding what can be described (Moleong, 2007). In this research, the data that gained by observation and interview are analyzed by using Miles and Huberman (1984) model, there are several elements in data analysis in this research, namely data collection, data reduction, data display and conclusion, where the process of analyzing shown in the picture below:

Figure 3.1 Miles and Huberman (1984) Model of Interactive Data Analysis



Source: <https://www.researchgate.net/figure/Components-in-Data-Analysis-Miles-Huberman-1984>

a. Data Collection

Data collection is a collection of information that gives researcher the possibility to draw conclusions. So that all the data that has been obtained in the field, whether in the form of interviews, observations or analysis, can give rise to a description of the teacher's perception of the Hangman Game in teaching vocabulary.

b. Data Reduction

Data reduction is the process of summarizing, selecting the main things, concentrating attention or focusing on important things and simplifying all types of information that supports research data obtained and recorded during the data research

process in the field to make the narrative presented can be understood well and lead the conclusions that can be accounted for. Also in this way, the data that reduced provides a clearer description, and make it easier for researcher to carry out the further data collection.

c. Data Display

Data display is the process of compiling information that provides the possibility of conclusions in qualitative research. The data obtained in this research is presented in the form of a short narrative description. By presenting this data, it will make it easier for researcher to understand the data that has been obtained and plan further actions according to what has been understood.

d. Drawing Conclusion

Drawing conclusions is the final process of the steps carried out above. Conclusions are drawn from data that has been analyzed and data that has been checked based on evidence obtained at the research location. In this step the researcher drew conclusions regarding teachers' perception of using Hangman Game in teaching vocabulary at Al-Azhar Medan Junior High School.

3.5 The Procedure of Study

3.5.1 Preparation Stage

- a. Holding observations at Al-Azhar Medan Junior High School
- b. Request a research permit application letter from the campus
- c. Arranging instruments

3.5.2 Implementation Stage

- a. Determine 2 teachers as research subjects and determine the research schedule
- b. Make the observations
- c. Conducting the interviews
- d. Collect all the data from the field in the form of interview transcripts and direct observations during the research
- e. Carry out the data analysis of all data that has been collected
- f. Interpret and discuss the results of data analysis
- g. Draw the conclusions from the research results
- h. Request a letter of proof of having conducted research from Al-Azhar Medan Junior High School

3.6 The Data Trustworthiness

The purpose of determining the data's validity is to verify whether the research conducted is indeed scientific and to evaluate the collected data. Data validity tests must be performed in order to guarantee the accuracy of the data used in this study. There are several validity test of data like which will be explained below, but in this research the researcher only used the method and sources triangulation as the data validity test. The data validity tests that can be carried out are as follows:

3.6.1 Credibility

Testing the reliability or credibility of the study data that the researcher presents in order to establish beyond a reasonable doubt that the findings are the product of legitimate scientific investigation.

a. Persistence in Observation

The persistence of observation means that the researcher returns to the place of data collection, makes observations and interviews again with the sources of data. The persistence of observation to test the credibility of research data is focused on testing the data that has been obtained. The data that has been obtained is checked again for correctness, whether there are changes or whether there are still the same. If the data that has been obtained is checked again and the results are correct, it's mean the data is credible, then the persistence of observation needs to be ended.

b. Triangulation

Triangulation is defined as a data collection technique that combine various existing data collection techniques and data sources. This triangulation is also used to test the credibility of the data. Triangulation in credibility testing is defined as checking data from various way but in this research will only use the triangulation of method and sources. This triangulation of method to test the credibility of the data is carried out by checking the data against the same source with the different method. This triangulation of source is to test the credibility of the data with interviews or observations with the different sources or participants.

c. Member Check

Member check is to find out how far the data that obtained matches with the data that provided by the data sources. So the purpose of member checking is to get know the data that obtained and that will be used for the next step according to what the data source or participant provides. Member check is also carried out to ensure the data that has been collected has no deficiencies or errors.

3.6.2 Dependability

Dependability, also known as reability, refers to the degree to which a study can be relied upon, or, to put it another way, the degree to which similar studies conducted by other researchers will yield comparable findings. The reliability test in qualitative research is performed by having a supervisor audit every step of the research process, including every action the researcher took while conducting the study..

3.6.3 Confirmability

Confirmability testing is also called research objectivity testing. If a large number of people concur with the findings, this study can be considered objective. Assessing confirmability entails evaluating research findings in relation to the methodology used. Research meets confirmability requirements if its findings are a direct result of the research method.

3.6.4 Transferability

Transferability is a validity test that shows the accuracy or applicability of research results to other places. Transferability is related to the details and characteristics used so that the results can be transferred to other situations.