

CHAPTER III

METHOD OF INVESTIGATION

This chapter contains four components. They are research design, the source of data, technique of data collection, technique of data analysis.

A. Research Design

In conducting research, we need research design. Some experts have different suggestions about what is meant by research design. According to John W. Creswell (2009: 22) Research design are plans and the procedures for research that span the decisions from broad assumption to detailed methods of data collection and analysis. An essential feature of this model is that it treats research design as a real entity, not simply an abstraction or plan. Joseph. A. Maxwell (2005: 2).

The function of a research design is to ensure that evidence obtained enables us to answer the initial question as unambiguously as possible. In this research the writer used descriptive qualitative approach because this study focuses on the analysis and interpretation of written material in context. The material of this study focused on script of Bill Gates interview in TED.

Quantitative methods involve the processes of collecting, analyzing, interpreting, and writing the results of a study. John W. Creswell (2009: 17). Based on John W. Creswell (2009: 22) there are three types of research design: qualitative, quantitative, and mixed method research.

Qualitative research is a means for exploring and understanding the meaning individuals or groups ascribe to a social or human. Quantitative research is a means for testing objective theories by examining the relationship among variables and mixed methods research is an

approach to inquiry that combines or associates both qualitative and quantitative.

In this research, the writer used design of descriptive method which is a method of research that attempt to describe and interpret the objects in accordance with reality. The descriptive method is implemented because the data analysis is presented descriptively. The writer used script of Bill Gates interview in TED.

In editonal, the writer uses descriptive qualitative research design in this study. Steve J., at. all. (2016: 17) state, “The phrase qualitative methodology refers in the broadest sense to research that produces descriptive data-people’s own written or spoken words and observable behavior.”In this case descriptive qualitative research focusing on Analysis of clause complexes and clause type of Bill Gates interview script entitles “how we must respond to the coronavirus pandemic” in TED (Technology, Entertainment, Design).

B. The Source of Data

Data is raw material that needs to be proccesed to produce the information both qualitative and quantitative data show the facts. On the other side, datais material information about the object of study something. The data can be found by observation, interview, documentation, and etc.

According to Arikunto, (2010: 129) The source of data in the study is the subjects from which the data can be collected for the purpose of research. Hence, the source of data in this study will be obtained from the book and internet.

First, the writer used document from book as the sources of data, because it is written material. There by data this study are clause and clause complexes. The book is from Gerot and Wignell entitles 'Making Sense of Factional Grammar'.The second to conduct this study, the writer used souce of data is from Internet.

https://www.ted.com/talks/bill_gates_how_we_must_respond_to_the_coronavirus_pandemic/up-next(accessed on April 1st 2020 at 13.01 am).

C. Technique of Data Collection

Data collection is the process of gathering and measuring information on variables of interest, in an established systematic fashion that enables one to answer stated research questions, test hypotheses, and evaluate outcomes. The data collection component of research is common to all fields of study including physical and social sciences, humanities, business, etc.

Arikunto states, “instrument in collecting data is a tool that is used by researchers to help them in collecting data in order to make it more systematic and easy” (2000: 134). Method of data is the techniques are used by researcher to collect data. Technique can be seen through: questionnaire, interview, observation, and etc.

In this study the writer used the method of documentation. Documentation is intended to obtain data directly from the research, including relevant books, studying, reporting on activities, relevant research data. However, in this study the writer obtained data documentation from book. The document is a form of information. A document can be put into an electronic and a paper with written or printed information. In this analysis the data documentation is texts from script of Bill Gates interview.

D. Technique of Data Analysis

Data analysis is the review process, sorting, and grouping data in order to formulate working hypotheses and lift it into conclusion or theories in the research findings, (Bakri, 2003: 162). In Technique of Data Analysis, the writer divides the data into some elements. The steps are as the following:

- a. Watching Bill Gates' interview on Youtube.
- b. Copying a conversation script between Bill Gates and the hosts on TED (Technology, Entertainment, Design) to facilitate the data analysis.
- c. Reading script of Bill Gates interview.
- d. Identifying the components of each Clause Complexes and Clause Type based on Gerot and Wignell book.
- e. Describing the analysis in each identification.
- f. Drawing conclusion from the analysis as interpretation of the findings.