

CHAPTER III

RESEARCH METHOD

In this chapter, the researcher will describe the research methodology, which includes:

A. Research Design

In this research, researchers used a qualitative approach that focused on document analysis used as main data. This qualitative method relies more on text and images to collect data through several analysis steps (Creswell & Creswell, 2018). The research design used is content analysis. Included in content analysis are printed materials, such as textbooks, comics, speeches, videos or films, songs and print advertisements (Krippendorff, 2018).

Researcher used the English textbook "Student's Book: My Next Word for Elementary School Grade 1" issued by the Ministry of Education, Culture, Research and Technology to support the learning process based on the Merdeka curriculum currently used. This research was carried out because the researcher wanted to find out or find a match and whether the material in this book was based on learning objectives based on the Merdeka curriculum. In this English textbook, researchers will compare the suitability of the vocabulary material or mathematics content included according to the level.

B. Data and Data Source

The main source of data for this research is taken from an English textbook "Student's Book: My Next Word for Elementary School" for Grade 1

issued by the Ministry of Education, Culture, Research, and Technology and written by Lala Intan Gemala, Heni Dwi Utami, and Ulin Farichah in 2021. This book was the first printed that consists of 134 pages and consists of 13 chapters divided into two semesters. Chapters 1-7 are for the first semester and chapters 8-13 are for the second semester. This book is one of the books used to support learning in the Merdeka curriculum.

Based on the English textbook, the researcher analyzed and grouped what vocabulary or mathematical content was contained in each chapter of the book as well as what English language elements (six elements, namely listening, reading, speaking, writing, viewing and presenting) were included. on the book. As well as whether the mathematics vocabulary or content is following the learning outcomes of mathematics subjects based on the Merdeka curriculum.

C. Techniques of Data Collection

The researcher used documentation techniques to collect data in this research. In this technique, researchers can collect data by documenting whatever data is needed during the research (Creswell & Creswell, 2018). There are four steps used in this research process (Cohen, et al., 2007).

- a. **Generating.** At the stage of selecting chapters containing mathematics content in the English textbook "Student's Book: My Next Word for Elementary School" for Grade 1
- b. **Classifying and Categorizing.** At this stage, each chapter containing mathematical vocabulary will be classified and categorized into what

category, and English language elements will be used for the mathematical content.

- c. Structuring Narratives. At this stage, it describes the results of the categorization, whether the mathematics content used is appropriate based on learning outcomes in the Merdeka curriculum.
- d. Interpreting data. Interpret the data obtained from the previous steps.

D. Techniques of Data Analysis

In this study, the researcher analyzed the book chapter by chapter to sort out what was included in the mathematical content, then sorted it into data which from this data sorted what English language elements were used and carried out matching by comparing based on the Merdeka curriculum. For this analysis, researchers used three analyses, namely data collection, data display, and conclusion drawing and verification (Miles, et al., 2014).

a. Data Collection

In this step, the focus is on selection or selection. The researcher selected each chapter in the book "Student's Book: My Next Word for Elementary School" for Grade 1 based on the Merdeka curriculum by taking the necessary data such as the mathematics content and English elements used as well as the suitability of the mathematics material content based on learning outcomes on the Merdeka curriculum. Carrying out analysis by grouping data or ordering it, through narrative descriptions through summary results obtained from the data (Miles, et al., 2014).

b. Data Display

In the next step, after selecting and determining the data used. At this stage is the process of displaying data through a checklist table and containing explanations. The table displays results regarding what mathematics content and English elements are used or included in the English textbooks "Student's Book: My Next Word for Elementary School" for Grade 1 based on the Merdeka curriculum. At this stage, the results are in the form of a clear data picture from data selection and through data processing through tables (Miles, et al., 2014).

c. Conclusion Drawing and Verification

At this final stage, the researcher makes conclusions based on previous processes, so this is the final process carried out. After the data has been explained and detailed, the researcher describes the results obtained based on the data source. In this final process, the researcher has found valid data.