

CHAPTER III

RESEARCH METHOD

This chapter explains about the description of research methodology employed in this study which is divided into some points. They are research design, the model of development and the procedure of development.

A. Research Design

The purpose of this research is to develop supplementary reading material for the tenth grade of senior high school according to the independent curriculum as a supplementary material to minimize the problems that are faced by both the students and the English teacher in SMK Negeri 1 Kras. It is classified into educational Research and Development (R&D). The method used in this research was Research and Development proposed by ADDIE (2009) which consist of 5 steps of research and development namely analysis, design, development, implementation, and evaluation.

The reason for applying R&D in this research is because the difficulties of the students and the teacher through the changing of the curriculum and the lack of reading material in the school, so this research is needed to fulfill the target need for educational materials. The researcher conducted a need analysis as the first step in constructing a reading material to get accurate information in order to be informed about the difficulties in the school. In addition, the researcher conducted an interview, to gather the data from need analysis. The interviews are intended for the teacher to discover about the program and materials, also for the students to reveal the targets' needs.

B. Development Design

This research used ADDIE model which was stated by Branch (2009). There are five steps to be done in using this model, these are analysis, design, development, implementation, and evaluation.

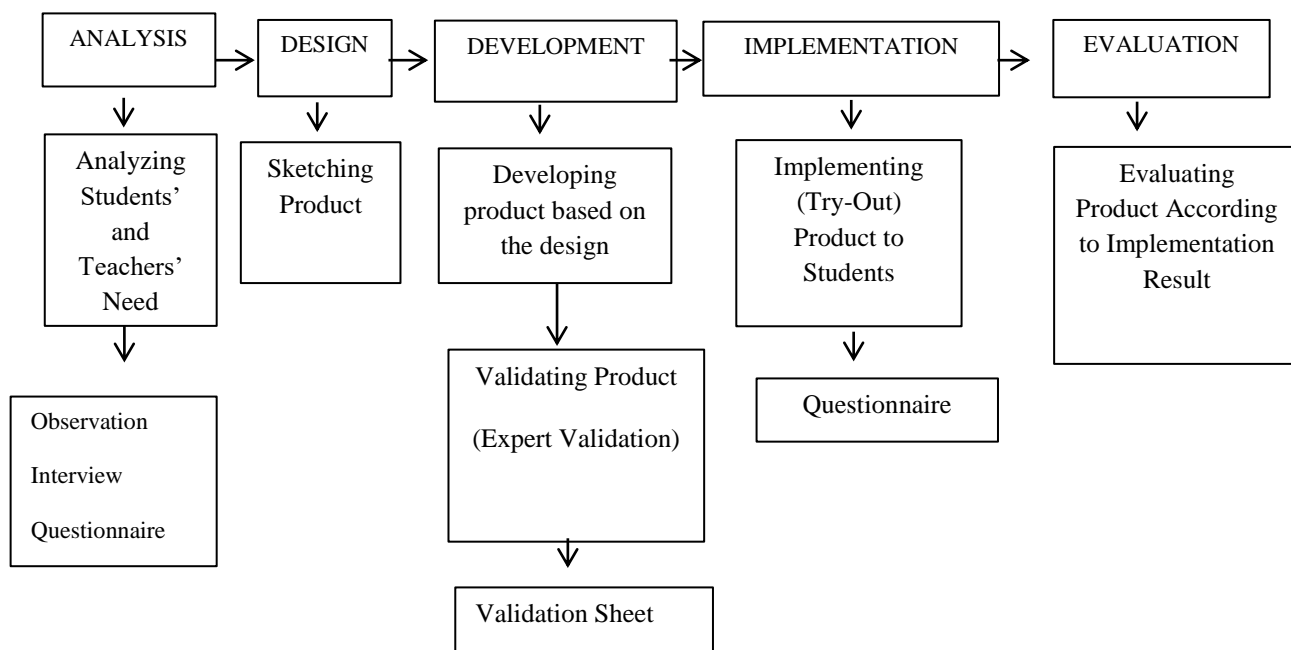


Figure 3. 1 Model Development ADDIE Adapted from Branch

Based on ADDIE model, to produce good reading material, the researcher needs to analyze the student's need in learning reading. There were several aspects that become the concern of the researcher in designing the reading material. Those aspects are: material or content based on the Merdeka curriculum, shape, format, color, and picture. In designing this reading material, the researcher used Microsoft Word application to design the product so that the reading material could be used in various digital platform. After the designing process, the reading material would be validated by the experts. Then, the researcher made some revisions. The last step was

implementing the reading material to the tenth-grade students in SMK Negeri 1 Kras. The researcher only asked several students to fill the questionnaire.

C. Development Procedure

In development procedure, the researcher did a survey with thirty five of tenth-grade students and an English teacher who teaches English subject in SMK Negeri 1 Kras. The survey was be done to gain some information about the students' need in learning reading. The results of the data, then, are analyzed to conduct a reading material.

D. Technique of Data Collection

The data of this study are collected from survey and observation activity that was done by the researcher and the participants, teachers and tenth-grade students. To collect the data from survey, the researcher does some sequences, as follow:

1. Asking for Permission

To begin the study, the researcher asked permission to SMK Negeri 1 Kras to conduct an observation and research related to the English topic. Then the researcher met the English teacher to have an interview, to know the problem.

2. Choosing Participants

The next step was choosing participants. The teacher chose the tenth-grade students. Furthermore, the researcher gave brief information about this study to avoid misunderstanding in the further step.

3. Giving questionnaire for Participants

In the survey process, the researcher provided several questions for the participants. The participants have 10—15 minutes to finish all the questions.

E. Research Instrument

1. Students' Need Analysis

In the process of data Analysis, analyzing the data was used to answer the research question. The data that were collected by giving questionnaire for some participants were analyzed using descriptive qualitative. So, the researcher describes the results of the survey data.

2. Design Phase

In this phase, the researcher designed the reading material based on the student's need, which is known from the observation and questionnaire session. The purpose of developing reading material is to give a supplementary reading material for students in learning reading according to Merdeka curriculum. After the data for conducting the reading material were sufficiently collected, the researcher designed the reading material as below:

- a. Cover
- b. Preface
- c. Table of contents
- d. Vocabulary List
- e. Introduction
- f. Material learning

- g. Exercises
- h. References

3. Development Phase

In the development phase, the design of the reading material from the researcher was developed based on the material of reading and need analysis from the results of observation. In developing the reading material, the researcher used Microsoft Word application as development tool. The next step after the researcher created the reading material is validation process. The product was validated by three experts. The experts' assessment and suggestion are used by the researcher to revise the product of reading material. In the process of validation, there were three experts who would help the researcher.

The first expert is called as material expert, while the second is called as media expert. The material expert is a person who is accustomed in English teaching and learning and has experience in teaching reading. While the media expert is a person who has knowledge in English teaching and learning and has a good understanding about the criterion of good material in English learning. In validating the reading material, the researcher used validation sheet, which was explained as follow:

a. Validation Sheet

Since the researcher has three kinds of experts, the researcher used three different validation sheets. In the first sheet, there were some questions about reading material, such as reading material congruity. In another sheet, to validate the design, there were some

questions about whether or not the design of reading material is appropriate with the criterion of good reading material in learning English reading. The researcher also includes the third sheet about the use of language in creating the reading material. All questions in the validation sheet were validated by the experts. The results of validation process was used to revise the the reading material to make it better and appropriate to be used by the English learners and teachers.

4. Implementation Phase

The implementation phase aimed to test the reading material to the real subject. As mentioned before, the subject of this reading material is the tenth-grade students in SMK Negeri 1 Kras. The researcher used 35 tenth-grade students to fill the questionnaire. The results of this process were analyzed qualitatively. After the analysis, the researcher made several revisions before publishing the reading material product.