

CHAPTER III

RESEARCH METHOD

This chapter discusses the research from type of research, research design and procedure the data and the source of data, techniques of collecting the data, and techniques of analyzing data.

A. Type of the Research

Educational Research & Development is one research design aimed at developing and validating educational products. The process involves identifying problems that need to be solved by educational products, like textbooks, syllabus, assessment instruments, etc. studying the principles of writing instructional media, developing the media based on the principles, field testing it in the setting where it will be used eventually, and revising it to correct the deficiencies found in the field-testing stage. In more rigorous programs of R&D, this cycle is repeated until the field-test data indicate that the product meets its behaviorally defined objectives Borg and Gall (1983: 772).

B. Research Design and Procedure

According to Puslitjaknov-Balitbang Depdiknas (2008) "...there are three components in Research and Development research (a) Research Model (b) Research Procedure (c) Product Testing".

According to Thiagarajan in Arifin (2011: 129) stated that there are four stage in research procedure called 4-D, “*Define, Design, Develop, and Disseminate*”.

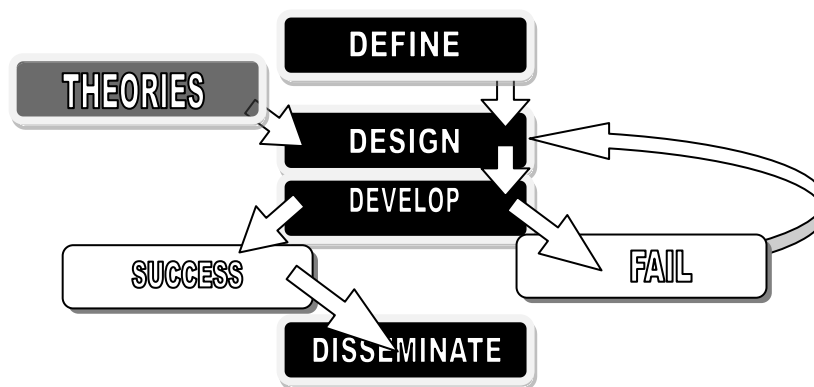


Figure. 3.1
Stage in Research Procedure

1. Define

Define is a first stage of the research method use by the writer for determine what type of product and How the product will look like. Next, researcher is doing Literary Study, Field Survey and Observation, and Interview.

2. Design

Design is a stage where the researcher designs the product according to the CALL theories.

3. Develop

Develop is the stage where the researcher develop the product by Field Testing, doing Revision and Validating. In Develop stage when the result of Field Testing is not reaches the minimum Target revision is

absolutely needed. But in case when the Field testing Result has reached the minimum target so the product is ready to validate.

4. Disseminate

Disseminate is the stage where the researcher disseminate the product into the society and all the possible user of the product, English teacher, English Lecture and English Student especially the Junior High School Student.

C. Subject of the Study

Subject of the research is the Junior High School Student in SMPN 1 Wonosobo.

D. Method of Collecting Data

To collect the research data, the researcher uses research instrument namely observation, interview, Questionnaire and document.

1. Observation

According to Arifin (2011: 231), observation is technique of collecting data by observing and makes a note about a phenomenon systematically, logically, rationally and objectively. The researcher observes all the classroom activities from the beginning until the end of the lesson. The classroom teaching and learning process happened between teachers who are teaching English and students who are studying

English. In this research, the writer conducted an observation in the several Random class of Junior High School three times.

2. Interview

Allport in Arifin (2011: 233) stated ‘if we want to know how people feel, what their experience and what they remember, what their emotions, and motives are like, and the reasons for acting as they do, why not ask them?’. The following statement show us how interview method really helps researcher to get some required information. In this research, the researcher conducted an Interview to the Expert, English lecture, English Teacher, and Junior High School Student’s. An indirect Interview also given by Comment Column can be used for gain some additional information to the researcher while doing revision to the product.

3. Questionnaire

Date :	
Number :	
Please give the score after testing the product. What do you think about the product?	A. Very Interesting. B. Interesting. C. Standard. D. Bad. E. Very Bad
Comment :	

The questioner consists of question items given to both teachers and students. Both for teacher and students the questioners are arranged to get information about the appropriateness of the product in classroom teaching and learning process. As follow:

4. Document

Documentation is the analysis of written material such as Syllabus, and the entire of written document related to the topic of research.

E. Data Analysis

Related to the Research Method and the Analysis of Questionnaire result of the research, the Technique of Data Analysis is as follow.

****Questionnaire Answer Scoring Result***

Very Interesting	5
Interesting	4
Standard	3
Bad	2
Very Bad	1

$$\text{Step1 } \textbf{Mean} = \frac{\text{Total Score}}{N}$$

$$\text{Step2 } \textbf{Product Appropriateness Percentages} = \left(\frac{N > \text{Mean}}{N} \right) \times 100\%$$