

CHAPTER III

RESEARCH METHOD

This chapter discusses the research design used in this study. Besides, it discussed the data, instrumentation, subjects, research methodology, and validation of the study.

A. Design Model

Based on the problem of the study, this study used Research and Development design. Nanan Syaodih Sukmadinata says that research and development is a processed or fortunately steps to develop a new product or improve an existing product that can be accounted for the process of research and development shows a cycle that begins with the needs, problems that need solving by using a certain product.⁵⁸

To get the purpose of this study, education Research and Development (R&D) was considered as the appropriate design to apply. The model of research and development was adapted to accomplish the finished product. Experts have introduced a wide variety of models in developing materials using R&D approach. The models were principally the same in goal, but different in procedures, depending on such factors as educational system, condition of students and teachers, learning situation, ect. Some stages were considered to be applicable in developing English worksheet teaching material. These stages involved following procedures as shows by the following figure:

⁵⁸ Nanan Syaodih Sukmadinata, *Metode Penelitian Pendidikan*, Bandung: PT Remaja Rosdakarya, 2010, p.164-165.

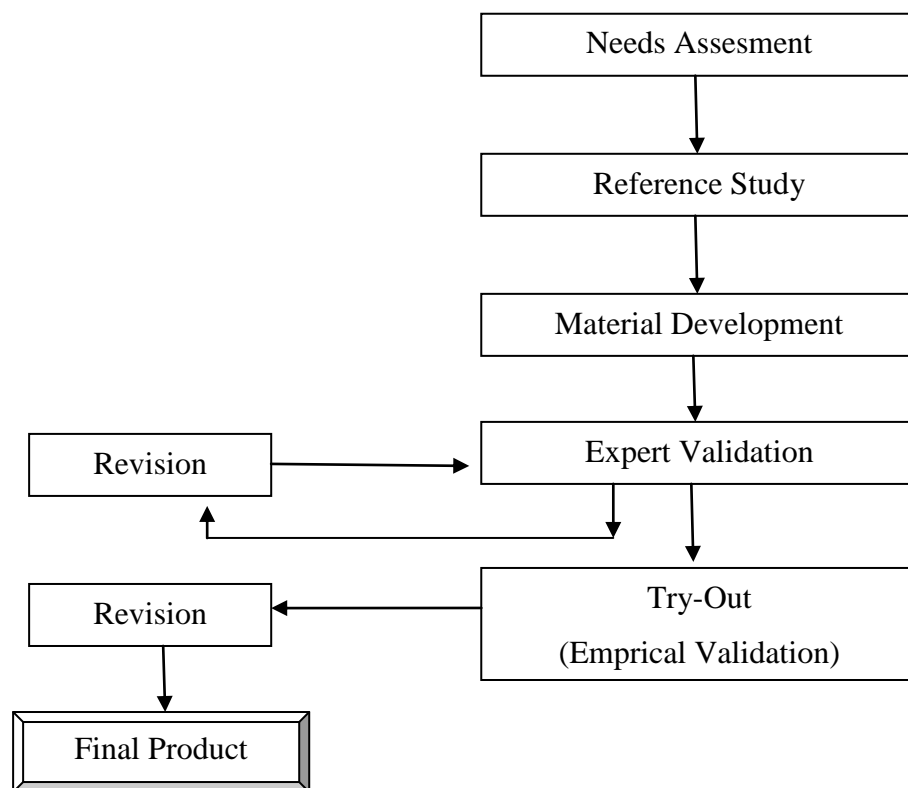


Figure 1 The Procedure of the Development⁵⁹

Based on figure above, the procedure of the development this study were need assesment to know students and teachers need, to get the best worksheet it should be know students and teachers needs.

B. Design Procedure

1. Needs Assessment

In an ideal situation, the material developed should reflect the students' need to study English worksheet. Different types of students have different needs, and what they are taught should be restricted to what they need. The identification needs of students were considered important

⁵⁹ Abdul Qodir, *Metodology Penelitian Pengembangan, Eksperimen, Deskriptif, Evaluasi dan Kepustakaan*, Palangka Raya: Sekolah Tinggi Manajemen Informatika, 2010, p.12.

since the actual success of a program is determined by the result of it. In order to be suitable to the needs of the students, the development of English worksheet in this study was based on the result of need assessment. Systematic process was done to acquire an accurate, through picture of the strengths and weaknesses of a school community that could be used in response to the academic needs of all students in improving student achievement and meeting challenging academic standards. Process that collected and examined information about schoolwide issues and then utilized that data to determine priority goals, to develop a plan, and to allocate funds and resources. Students, parents, teachers, administrators, and other community members should be included in gathering data.⁶⁰

Needs assessment involved finding out what the learners and teachers know. Students and teachers could do and what they need to learn or do so that the course could bridge the gap or some part of it. This assessment was conducted in order to obtain the information about the target situation. It was actually to find out the type of need determined by the demands in the workplace and the students' need.

2. Reference Study

In this study, some theories about material development and relevant previous study were explored as the basis for the development. This enabled to develop the qualified materials expected and to selected

⁶⁰Meredith, [www.dpi.state](http://www.dpi.state.nd.us/grants?needs.pdf), *Needs Assessments*,(online), URL: <http://www.dpi.state.nd.us/grants?needs.pdf>, (accessed on february 28th2013).

the appropriate material that could be use in order to enrich the English teaching material to be developed.

3. Material Development

After the reference study, the third stage in development process was the material development. In this stage, it has been studied in the previous stage used as the basis to develop material. Development was an idea or problem situation can often be a starting point for the production of audiovisual material.⁶¹ Material Development was basically delaing with selection, adaptation, and creation of teaching materials. In practice, it focused on evaluation, adaptation of published materials and creation, development of teaching materials by teacher in line with the existing syllabus.⁶² Because of this study to know students and teachers needed, this study was not clear. The writer give design students worksheet based on students and teachers needed based on teacher and students needed.

4. Expert Validation

The term validation, according to Essef, is a processed of try-out and revision material.⁶³ In this stage, call validation was usually called expert validation. It is because a person who was considered to be an expert in the material development gave the evidence whether or not the

⁶¹ Peter J. Essef, and Marry S. Essef, *Developing Instructional Materials*, Columbia: Chatterbird Place. 1980, p.2.

⁶² Wahyu Sundayana, 2000. *Material Development*, (online), URL: http://file.upi.edu/Direktori/FPBS/JUR.PEND.BAHASA_INGGRIS/1958020819861WAHYU_SUNDAYA_NA/ESP_Material_Development/Topic_%231_%28Definition_and_scope_of_Mat_Dev.pdf, (accessed on December 28th2014).

⁶³ Peter J. Essef and Marry S. Essef, *Developing Instruction*, p.46. Wahyu Sundayana. *Material Development*, (accessed on December 28th2014).

developed material has met the criteria of a good material which have been set for the purpose of this study.

5. Revision

In this study, the revision has done when the data collect during the expert validation indicate that the developed material did not meet the criteria set for the purpose of the study, and the data was collected from the try-out of the revised material still indicated difficulties or problems experienced by the students in their effort to achieve the performance objectives state in each unit of the material.

6. Try-out of The Material

1. Subject of The Study

Subject of the study were the students of the eight grade of SMPN-2 Palangka Raya and English teachers SMPN-2 Palangkaraya and from teachers of English Language from MTSN-1 Model Palangka Raya and SMPN-3 Palangka Raya. The number of subjects in this research were 100 (one hundred) students of the eight grade in academic year 2014-2015 from nine rooms of eighth grade. The researcher chose 100 students from nine rooms in SMPN 2 Palangka Raya because students' were could be different and English teachers from each different room and the researcher wanted to get the data about students worksheet. The researcher chose 10 teacher from the other schools to get the data not only in SMPN 2 of Palangka Raya.

2. Kind of The Data

The kind of data that researcher took is qualitative data. Researcher chose qualitative data because the writer wanted to describe students' and teachers response to the students worksheet about what they need and what the type of students worksheet they want. Data collecting is very important in qualitative study. It can be seen from the following table:

Table 3.1 Types of Data collected and istruments used

Data	Instrument	Subject /Responden
Documentation	Observation	English Teacher of the Eighth grades of SMPN-2 Palangkaraya. Students' of the eight grade SMPN-2 Palangka Raya
Try-out	Questionnaire	The students of eight grade and teacher SMPN-2 Palangka Raya

3. Instrument Collecting the data

This study used some methods in collecting qualitative data. It used research instrument such as observation, Questionnaire and documentation to collect the data.

a. Observation

In this observation, the researcher observed the students' response in reading comprehension students' worksheet. Researcher chose observation to complete description of phenomena then to get possible data by referring documents. On other hand, it was also to verify the information obtained by other methods.

b. Questionnaire

In this instruments, researcher chose questionnaire was to know students and teachers' response about reading comprehension students worksheet that include from some questions. Questionnaire is used to collect the information or data about the school demand toward English worksheet and students' needs. Questionnaire is a written or printed list of questions to be answered by a number of people.⁶⁴ It was given to the English teacher and the students. The contents were aims, designs of materials, skills, topics, methodology, and teacher English teacher book, while for the students questionnaire consist of designs of the material, topics, skills, and exercises.

c. Documentation

The researcher used documentation technique to collect the data. By the documentation, the researcher got some documents such as the students questionnaire, observation and photos that were needed in this study.

⁶⁴ *Ibid*, p.952.

4. Technique of Data Analysis

Technique of data analysis was by the researcher to compare the result of questionnaire with the result of observation to organize the data in some category, to describe each of question and to make conclusion. The writer analyzed the data of questionnaire that the writer gave to the students and teachers. The technique to analyze the questionnaire organized per items of questions, which one students' chose to answer A, B, C or D.