

CHAPTER III

RESEARCH METHOD

This part, the writer discuss The Data, Instrumentation, Criteria for the Admissibility of the Data, Social Situation, Subject of The Study, Research Design, Instructional System Design, The ADDIE Model.

A. The Data

In this study, to find and make the endorsement of the data, the writer applies endorsements of the data. Endorsement is a public statement or action showing that you support something.¹ The main data in this study were the material itself. To develop the materials, the writer conducted questionnaire and interview. The supporting the data needed in this study were taken from the result of questionnaire and interview gained from SMK Karsa Mulya Palangka Raya. The data classified into:²

1. The data that were taken from syllabus,
2. The data that were collected from the needs assessment,
3. The data that were given by the expert in validation process, and
4. The data that were gathered during the try-out.

B. Instrumentation

Instrument was a tool used to collect the data needed. In order to get the sufficient data needed for the study, the instruments such as

¹Jack C. Richards, *Curriculum Development in Language Teaching*, Cambridge: Cambridge University Press. 2002, p.51.

²Zulida Arifa, *Developing English Instructional Materials For The Eighth Grade Students Of Mts N 2 Palangka Raya Based On Character Education Curriculum*, Unpublished Thesis, Palangkaraya: Universitas Palangkaraya, 2013, p. 61.

observation guide, questionnaires and interview guidelines were used.

The explanation was as follow:

- 1) Questionnaires were used to collect the information or data about the school demand toward english and student's needed. It was given to the teachers and students. The content was aims, the designof the materilas, skills, topics, methodology, and teacher's book, while for the students consisted of designof the material, topics, skills, and exercises.
- 2) Interview was used in this study in order to find out the neededs of the students toward the material that was developed. The topic interview was about the red line that become focus in this study, which was about the neededof the students for english material. The curriculum and adapted syllabus of the english subject for school were also used in this study as a references of the materilas to be developed.³

C. Criteria for the Admissibility of The Data

The data of the study is admissible if follow the criteria below:

1. The primary data were the design of the material itself.
2. The supporting data were taken from questionnaire, interview, and observation. The questions of questionnaire were related with the factors and method that was considered by the teacher in order to develop English Material. The questions of interview were constructed based on the result summary of the questionnaire.

³Zulida Arifa, *Developing English Instructional Materials For The Eighth Grade Students Of Mts N 2 Palangka Raya Based On Character Education Curriculum*, Unpublished Thesis, Palangkaraya: Universitas Palangkaraya, 2013, p. 65.

Interview here was needed in order to dig other important information. The syllabus also used as the primary data, in order as the guidance in the developing the materials.⁴

D. Social Situation

In Development Research There is no term of population⁵, but there is known social situation that consist of three aspects, they are; place, actor and activity.⁶

1. Place

In this study the place taken was SMK Karsa Mulya Palangka Raya.

2. Actors

The actors in this study was the writer who is developing the worksheet tenth grade students at SMK Karsa Mulya Palangka Raya.

3. Activity

The activity of the actor in this study was adapting the existing syllabus and students worksheet to be taught for the students of the tenth grade of SMK Karsa Mulya Palangka Raya.

E. Subject of The Study

The subjects in this study were the English teachers and tenth grade students of SMK Karsa Mulya Palangka Raya. The English worksheet based on materials focus on syllabus.

⁴Zulida Arifa, *Developing English Instructional Materials For The Eighth Grade Students Of Mts N 2 Palangka Raya Based On Character Education Curriculum*, Unpublished Thesis, Palangkaraya: Universitas Palangkaraya, 2013 P. 62

⁵ Farida Nursyahidah, *Research and Development vs Development Research*, t.tp.

⁶ Zulida Arifa, *Developing*, p. 64.

F. Research Design

This study used Research and Development method According to Borg and Gall “Educational research and development (R&D) process is used to develop and validate educational products “. The use of the term has a meaning that educational products not only includes a form of research materials such as textbooks or other learning support tools, but also related to the development of learning processes and procedures such as the development of methods of teaching or learning methods to organize, so that research and development approach seems to have relevance to higher learning to develop a model of productive programs.⁷

To meet the purpose of this study, education research and development (R&D) is considered as the appropriate design to apply. The model of research and development was adapted to accomplish the finished product; that is model of English worksheet teaching material based on syllabus which is suitable for The Tenth Grade of Smk Karsa Mulya Palangka Raya.

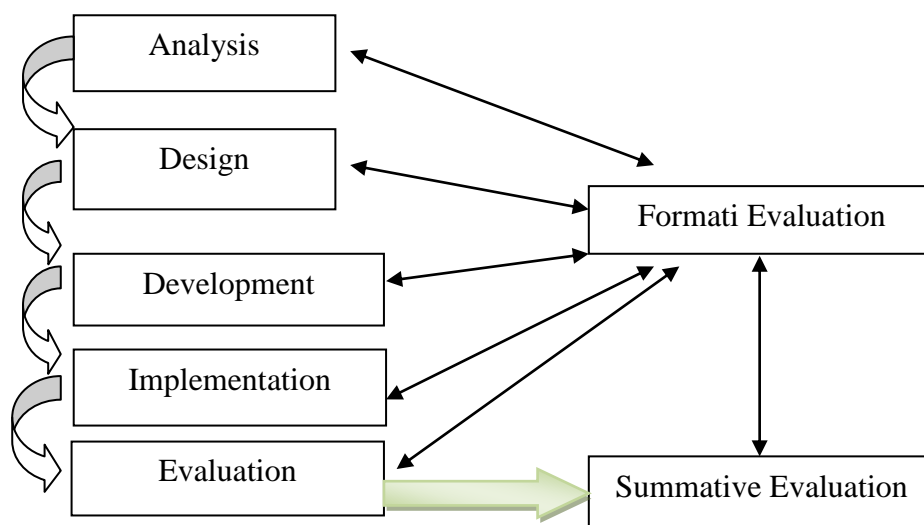
G. The ADDIE Model

The ADDIE Model is a five-step instructional design and project management tool borrowed from the field of human performance technology and is commonly used to develop, implement and evaluate performance improvement services. Some of the core values and principles that govern the use of the ADDIE Model include:

⁷Dhami Johar Damiri, *Implementation Project Based Learning on Local Area Network Training*, P-ISSN: 2301-4458 , E-ISSN: 2301-8038 , Vol. 01, No. 01 , 2012, p.84.

- a). A focus on outcomes.
- b). A systems perspective.
- c). The intent to add value
- d). The effort to be systematic in all aspects of the design of interventions and solutions.⁸

Process of ADDIE Model:



(Figure 1: The ADDIE Model Dick & Carry)

a. Analysis

The first phase the writer conducted the analysis with came to the school to consult with the teacher and asked some questions for the students. And mostly the majors in SMK Karsa Mulya Palangka Raya was Mechine technics and so, they needs the worksheet focus on their majors.

⁸Shelby Danks, The ADDIE Model: *Designing, Evaluating Instructional Coach Effectiveness*, ASQ Primary and Secondary Education Brief, Vol. 4, No. 5, 2011, p. 1.

b. Design

This phase the writer conducted for to made a planning and strategies after analysed the student's need. In this phase the writer looked the syllabus to compatible the standart competence and tried to consulted with the teacher in SMK Karsa Mulya Palangka Raya.

c. Development

In the third phase the writer used the audio,video and recording and put the content focused on their basic. This phase also the writer asked the expert lecture and teacher in SMK Karsa Mulya Palangka Raya to validation the worksheet.

The writer created various interactive media by choosing pictures, characters and appropriate multimedia entered in apendices and emphasised the intended learn-ing outcomes or objectives by explaining the scene. This helped students to recall facts, terms and concepts byremembering, describing.

The development phase was based on the results of the analyse and design phase.⁹

d. Implementation

This phase the writer conducted in class to try-out the worksheet, and to know the weakness and the excellent of worksheet.

⁹Nasrin Moradmand, Amitava Datta, Grace Oakley, *The Design and Implementation*. p. 44.

e. Evaluation

At the end of implementation phase, all data and information, which was collected through interviews and questionnaires and observations, were saved and stored in a filing system for analysis in the evaluation phase.¹⁰

¹⁰Nasrin Moradmand, Amitava Datta, Grace Oakley, *The Design and Implementation*, p. 45.