

3.4. Kinds of Data

Kinds of data are whole data result from Research and Development. The kinds of data is taken from beginning of research or trying out the product. Kinds of data in research usually in the form of documentation, numeric and word. In this research kinds of data focused on word and utterances. Kind of data in this case cover many data from the beginning to end of the research and development.

3.5. Data Sources

Data sources is object or respondent that data was collected. Data sources are all sources of research and development. Data sources is used by the researcher for getting information from beginning to end of the research. Data sources usually taken from 1) informant, 2) document in the form of reference material and 3) internet also. The data sources is basic and reference for making the product, these also as informant from the research. The data sources are taken by the researcher are divided into two section that are beginning and trying out the product.

Data sources is taken from informant through interview structure and unstructure and documentation also. First data sources is informant, informant in this case such as english teacher class and students. Second, the data sources are taken from document as references in the form of documentation in this case is students book. The other data sources as references is taken from internet. Kinds of data trying out the product are

data sources is taken from informant. Informant in this case is the english teacher and students. It is done through interview structure and documentation. The data sources are taken from documentation trough quistionaire.

3.6. Data Collection Method

Data collection method is used for colloecting data use certain instrument based on need the research. Data collection method is done by the researcher before trying out product. there are four kinds of data collection method in the research. There are:

1. Documentation

Documentation is data that is get from paper in operational documentation method. The reasercer analyze seventh grade students book. The documentation clasified into two beginning and trying out product. In the beginning, the researcher analyzed seventh grade students book. In trying out product the researcher analyze the questionnaire sheet that is given by researcher to the students after they doing try out.

2. Interview

Interview is used to know something from object or respondent in detail. According to Patton (1983) “ *Wawancara adalah untuk mendapatkan dan menemukan apa yang terdapat di*

dalam pikiran orang lain". The researcher want to know accurate information or give information to be clear. Interview in this case devide into two, there are beginning and trying out product. In begining, the researcher interview teacher and students. The point interview to the teacher in beginning research involve material, problem in teaching, students attitude toward material and suggestion to arrange the vocabularies. The researcher using interview guide to interview the teacher. The point interview to the students involve material and their feeling toward material. The researcher using unstructure interview to interview the students, it because the researcher want to get many information to the students through informal situation. Interview in the informal situation make the students feel comfort when interview activity is done.

In the trying out the product the researcher interview teacher and students also. The point of interview in this step involve the effectiveness the product to help the students in learning English.

3. Quistionaire

Quistionaire is data collection technique through giving question or list of question for respondent that answer the question in the quistionaire. According to Brown's (2001) quistionaire are

any written instrument that present respondents with a series of questions or statements to which they are to react either by writing out their answers or selecting from among existing answer. It use likert scale which is used for measuring attitude, opinion and perception person or group about something. According to Wilkinson and Birmingham (2003: 27) likert scale is scale like many others measure attitudes to set statements put by the quistionaire, the respondent is provided with a scale of possible responses (usually five) to the question, ranging attitude measure “strongly agree” to the exact opposite measure of “strongly disagree”.

The researcher give the quistionaire to the students after trying out product in the class. It consist of 10 statements. The statements in the quistionaire develop based on 3 aspects, they are presentation of book, structure of the book and easy to read. The quistionaire must be filled by the students. Hopefully, from the quistionaire the researcher can know the students opinion about the product and the effectiveness the product to help the students learning English.

3.7. Instrument of Data Collection

Instrument of data collection is device or instrument for research.

This research and development use many instruments such us interview

and observation guide, document and questionnaire sheet. The application in research are different depend on need in the research. The explanation about three instruments are:

1. Document

Document is note of event in the past. Document as instrument in this reserach is clasified in two documents. They are document in beginning research likes students book and document in try out the product likes students quistionaire.

2. Interview guide

Interview guide is used for interview. The interview guide in the form of written questions. The researcher used interview because through interview structure the researcher want to get closer to the informant.

3. Quistionaire Sheet

Quistionaire sheet is sheet that has list of question or statements. This quistionaire sheet consist of 10 statements and the object are the students should fill in 5 choices. There are 5 choices in each statements, they are strongly disagree, agree, neutral, disagree and strongly disagree. The statements in the quistionaire develop based on 3 aspects, they are presentation of book, structure of the book and easy to read. The students choose one of 5 choices in each statement based on students willingness.

3.8. Technique of Data Analysis

The data in this research development uses qualitative analysis technique. The data obtained from the expert validation in this case the English teacher and from the questionnaire that is given to the students. The result data from the expert validation is descriptively concluded. The result of data from the students questionnaire are clasified and change into precentage and the data are descriptively concluded. There is a formulas that will be used to measure the students questionnaire. The formula is explain below:

$$P = \frac{\sum x}{\sum x_1} \times 100\%$$

Explanation:

P = Percentage

x = The number of all respotence's answer

x1 = The all number of respidences