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CHAPTER III

METHOD OF THE RESEARCH

A. Research Design

This research is a descriptive research that has only one variable. The researcher investigated about describes the ability of the eight grade students in changing information questions of Indonesian to wh-questions in English. According to Gay, Mill, and Airasian (2012) says that descriptive research is the collection and analysis numerical data to describe, explain, predict or control phenomena of interest.

According to Best (1979 in Syafii 2016) says that a method that used for describing the circumstance, that truly happen, called descriptive method. From the theories before, a descriptive research ought to analyze and investigate the problem appropriate to the real situation or actual problem that is supported by accurate theories.

B. Subject and Object of the Research

The subject of this research are the eight grade students at Junior High School 1 Bangkinang, and while the object of this research is a study on the ability in changing information questions of Indonesian to wh-questions of English at the eight grade students of Junior High School 1 Bangkinang.

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Time and Location of the Research

This research was conducted from April 2018. The research was taken place at Junior High School 1 Bangkinang which is located at Bendungan Uwai Street, Pulau Bodi, Bangkinang.

D. Population and Sample

According to Creswell (2012) state that population is a group of individuals who have the same characteristic. The population of this research is the eight grade students of Junior High School 1 Bangkinang. There are students that are divided into (4) four classes.

**Table III.1
Population**

No	Class	Population
1	8 A	28
2	8 B	27
3	8 C	26
4	8 D	23
Total	4 Classes	104

Total all of poulation are 104 students. Because the number of population is relatively large, the researcher will take 25% as sample. As Arikunto (2006, p.134) said that if population is less than 100 respondents we can take all of, but if more than 100 respondents we can take 10%,15%,20%,25% or more than.

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Table III.2
Sample

No	Class	Population	Sample
1	8 A	28	10
2	8 B	27	10
3	8 C	26	9
4	8 D	23	8
Total Sampling			37

The researcher took samples by using simple random sampling technique because it is more effective. Random sampling is a sample consist some elements chosen randomly, each element of population has some opportunity to be sample. Sugiyono (2010) simple random sampling means that every case of the population has an equal probability of inclusion in sample. It is clear that every student at Junior High School 1 Bangkinang can be a population in this research.

E. Technique of Collecting Data

The researcher collects the data by using the test and questionnaire

1. Test

The researcher collects the test result from the students. According to Brown (2003) says “a test is a method of measuring a person’s ability, knowledge, or performance in a given domain”.

The researcher used written test as instrument. The test was administered to 37 at the eight grade at Junior High School 1 Bangkinang. The written test of translate the information questions

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of Indonesian to wh- questions of English. The test was instruction that the researcher asked students to write the translation of information questions of Indonesian to wh-questions of English. They had to write the translation of information questions of Indonesian to wh-questions of English, for 80 minutes. Their was analyze for their translation based on grammar of sentence structure, and the researcher scoring the data based on Gutman' scale (Riduwan, 2009) :

- a. Right answer = 1
- b. Wrong answer = 0

Table III.3

The classification of Students' Score in Terms of Ability Level

Score	Categories
80-100	Very Good
70-79	Good
60-69	Enough
50-59	Less
0-49	Fail

(Arikunto, 2002)

2. Questionnaire

Questionnaire is the list of questions or statements that are given to participants. Sugiyono(2008) explained that questionnaire is a technique of collecting data that is done by giving some questions or

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statement to respondent. According to Creswell(2012) states that there are scoring data that the researcher assigns a numeric score (value) to each category for each questions on the instrument used to collect data. In this research, the researcher make twenty items statements related to difficulties in changing information questions of Indonesia to wh-questions of English and with the respondent's opinions in responding to the following options based on the Likert' scale (Riduwan, 2009) :

- | | |
|----------------------|-----|
| a. Strongly agree | = 5 |
| b. Agree | = 4 |
| c. Undecided | = 3 |
| d. Disagree | = 2 |
| e. Strongly disagree | = 1 |

F. Validity and Reliability

1. Validity of Instrument

To analyze of data, the researcher used Ms. Excel. The researcher consulted with r_{table} at significance level of 1 % ($\alpha = \text{alpha} = 0.01$). there were 37 students, meaning that $N = 37$ with $df = N - 2 = 37 - 2 = 35$. The writer took $df = 35$, so r_{table} acquired was 0.2746. It can be concluded that these items are not significantly correlated with the total score (declared invalid) and must be removed or corrected.

Based on the try out result of the instrument validity to the 24 items, it showed 20 items were valid and 4 items were not valid. It means that 4 items must be removed and 20 items could be used in

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this research. The following table is the result of the instrument questionnaire.

Table III. 4
Validity Statistics
of the factors make students difficulties in changing information
questions of Indonesian to wh-questions of English

No	R	r _{table}	Category
1	0.4136	0.2746	Valid
2	0.4004	0.2746	Valid
3	0.4778	0.2746	Valid
4	0.6120	0.2746	Valid
5	0.4372	0.2746	Valid
6	0.3598	0.2746	Valid
7	0.3598	0.2746	Valid
8	0.4300	0.2746	Valid
9	0.5568	0.2746	Valid
10	0.5771	0.2746	Valid
11	0.7052	0.2746	Valid
12	0.5659	0.2746	Valid
13	0.4087	0.2746	Valid
14	0.5118	0.2746	Valid
15	0.7052	0.2746	Valid
16	0.6765	0.2746	Valid
17	0.5948	0.2746	Valid
18	0.6765	0.2746	Valid
19	0.5953	0.2746	Valid
20	0.7052	0.2746	Valid

2. Reliability of the Instrument

Reliability has to do which accuracy of measurement. Brown (2003) states this kind of accuracy was reflected in obtaining the similar results when measurement was repeated on different occasion

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or with different instruments or by different person. The characteristic of reliability is sometimes termed consistency. The following table is the level of internal consistency of Cronbach Alpha by Cohen (2007):

Table III.5
Category of Reliability

No	Reliability	Category
1	>0.90	Very highly reliable
2	0.80-0.90	Highly reliable
3	0.70-0.79	Reliable
4	0.60-0.69	Minimally reliable
5	<0.60	Unacceptably low reliability

In this research, the researcher used software SPSS 23.0 program to find out whether the questionnaire was reliable or not. From the table III.5 above, it can be seen that the questionnaire reliable if the value of Cronbach Alpha is higher than 0.69.

Table.III.6

Reliability Statistics
of the factors make students difficulties in changing information questions of Indonesian to wh-questions of English

Cronbach's Alpha	N of Items
.873	20

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From the table above, it can be seen that the value of Cronbach's alpha is 0.867. Then the researcher compared the result with the table of internal consistency before. It means that the items of questionnaire were high reliable.

G. Technique of Data Analysis

The researcher used descriptive analysis technique (percentage) with the percentage from the frequency of information and divided with number of cases. The data analysis of this reserch was researcher used percentage. To count the percentage of students students' ability in translation and factors that cause students' difficulties, the researcher used the following Sudijono (2008) formula:

$$P = \frac{f}{n} \times 100\%$$

Where:

P = Number of percentage

F = Obtained of frequency

N = Number of sample

Riduwan (2009) indicated the scale to classify the gained percentage of questionnaire as follows:

1. 81% - 100% categorized into very high level
2. 61% - 80% categorized into high level
3. 41% - 60% categorized into high enough level
4. 21% - 40% categorized into low level
5. 0% - 20% categorized into very low level.