

CHAPTER IV

FINDING OF THE RESEARCH

In this chapter, the writer describes the statistic data of the use of incidental vocabulary learning through reading to teach the vocabulary mastery of the eighth grade students of SMP 1 Jekulo Kudus in academic year 2011/2012.

4.1 Data Description

The data that get for this research were taken from the test to measure the vocabulary mastery of the eighth grade students of SMP 1 Jekulo Kudus in academic year 2011/2012 before and after being taught by using incidental vocabulary learning through reading.

4.1.1 The Vocabulary Mastery of The Eighth Grade Students of SMP 1 Jekulo Kudus in Academic Year 2011/2012 Before Being Taught By Using Incidental Vocabulary Learning Through Reading.

After conducting a test for the vocabulary mastery of the eighth grade students of SMP 1 Jekulo Kudus in academic year 2011/2012 before being taught by using incidental vocabulary learning through reading, the writer found the highest score is 92, the lowest score is 52, the mean is 75.1 and the standard deviation is 8.89. It means that the vocabulary mastery of the eighth grade students of SMP 1 Jekulo Kudus before being taught by incidental vocabulary learning through reading is **Low**. These are based on the table 4.1 from the data of 32 students as target of research. The complete computation of the mean, and

standard deviation presented in appendix . The pre-test scores are in the table as follows:

Table 4.1 The Vocabulary Mastery Score (pre-test) of the Eighth Grade Students of SMP 1 Jekulo Kudus in Academic Year 2011/2012

Subject	Score	Subject	Score
1	76	17	68
2	62	18	84
3	76	19	64
4	72	20	88
5	68	21	80
6	52	22	68
7	68	23	80
8	88	24	76
9	80	25	84
10	68	26	84
11	80	27	84
12	84	28	64
13	72	29	64
14	84	30	68
15	64	31	92
16	76	32	84

From the data above, the pre-test result can be computed to the table of distribution frequency as follow:

Table 4.2 The Distribution Frequency of Vocabulary Mastery Score (pre-test) of the Eighth Grade Students of SMP 1 Jekulo Kudus in Academic Year 2011/2012.

Score group	F	x	Fx	Percentage (%)
52-58	1	55	55	3.1
59-65	5	62	310	15.6
66-72	8	69	552	25
73-79	4	76	304	12.5
80-86	11	83	913	34.4
87-93	3	90	270	9.4
Σ	32	435	2404	100

Based on the table 4.2, the writer makes a diagram graphic of the student's score as follows:

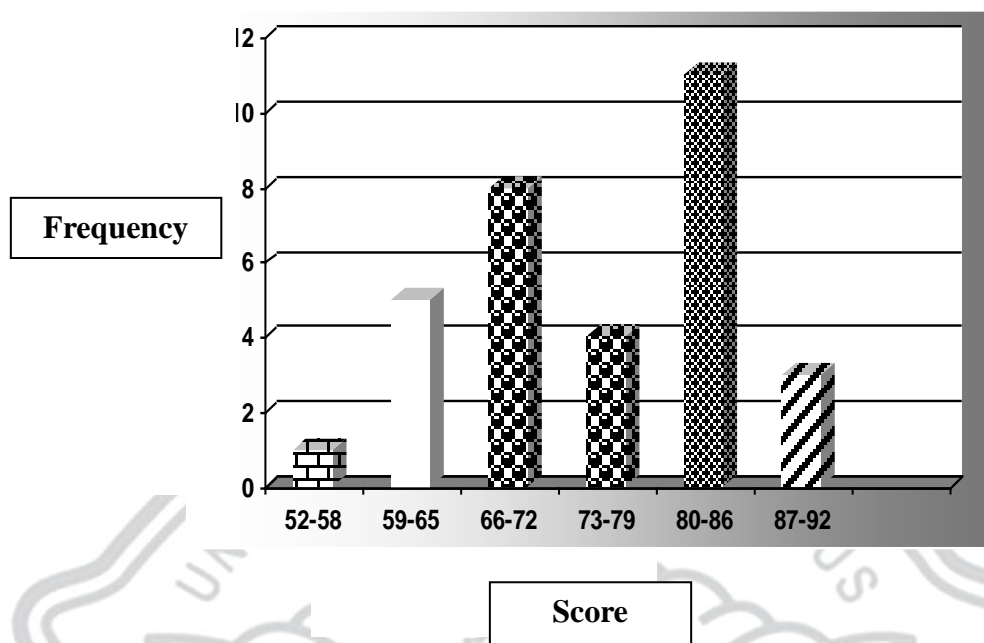


Figure 4.1 The Bar Diagram of the Vocabulary Mastery of the Eighth Grade Students of SMP 1 Jekulo Kudus in Academic Year 2011/2012 Before Being Taught by Using Incidental Vocabulary Learning Through Reading.

From the diagram graphic above, it can be seen that the highest frequency on pre test is score 80-86 at the level 11 and the lowest one is 52-58 at the level 1.

4.1.2 The vocabulary Mastery of The Eighth Grade Students of SMP 1 Jekulo Kudus in Academic Year 2011/2012 After Being Taught By Using Incidental Vocabulary Learning Through Reading.

The researcher started the treatment which consists of six meetings after getting the pre test data in teaching vocabulary by using incidental vocabulary learning through reading, then ended by post-test to find out the data result after being taught by using incidental vocabulary learning through reading. Based on

the table 4.3 the results of the experiment are: the lowest score is 72, the highest score is 100 and the mean of pre test is 88.7. Meanwhile the standard deviation is 8.5. It means that the vocabulary mastery of the eighth grade students of SMP 1 Jekulo Kudus after being taught by incidental vocabulary learning through reading is **Good**. The complete computation of the mean, and standard deviation presented in appendix. The post test score are in the table as follows:

Table 4.3 The Vocabulary Mastery Score (post-test) of the Eighth Grade Students of SMP 1 Jekulo Kudus in Academic Year 2011/2012

Subject	Score	Subject	Score
1	72	17	92
2	80	18	96
3	78	19	76
4	80	20	96
5	88	21	86
6	76	22	80
7	96	23	100
8	92	24	96
9	96	25	92
10	88	26	90
11	92	27	92
12	100	28	100
13	76	29	84
14	96	30	84
15	84	31	96
16	80	32	96

The frequency distribution or vocabulary mastery test (post-test) result is computed as follows:

Table 4.4 Frequency Distribution or The Vocabulary Mastery Test Score (Post-Test) Of the Eighth Grade Students Of SMP 1 Jekulo Kudus In Academic Year 2011/2012

Score group	F	x	fx	Percentage (%)
71-75	1	73	73	3.1
76-80	8	78	624	25

81-85	3	83	249	9.4
86-90	4	88	352	12.5
91-95	5	93	465	15.6
96-100	11	98	1078	34.3
Σ	32	513	2841	100

Based on the table 4.4, the writer makes a diagram graphic of the student's score as follows:

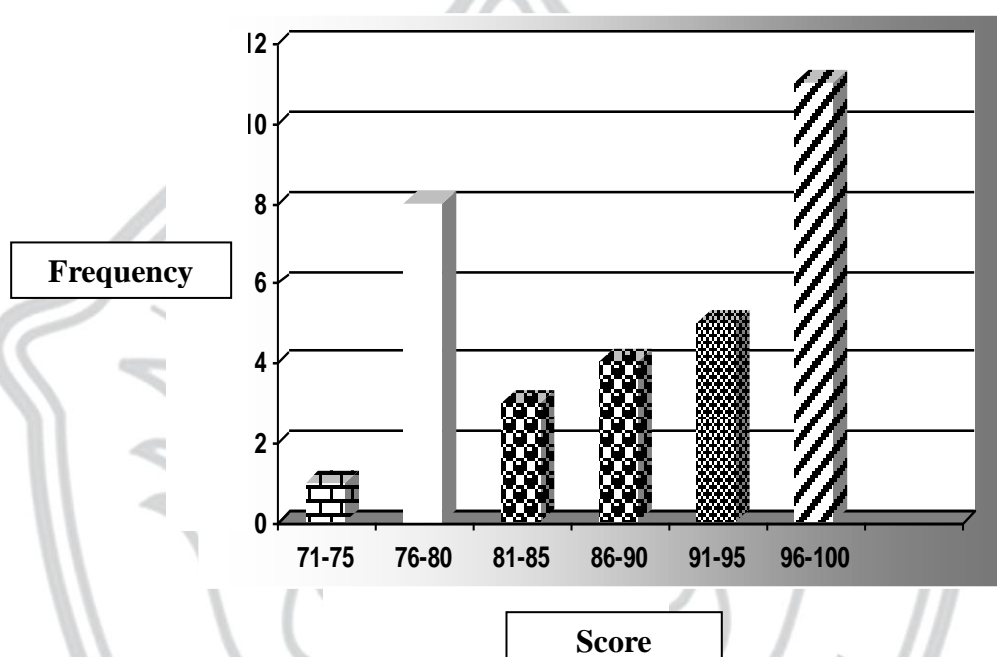


Figure 4.2 The Bar Diagram of the Vocabulary Mastery of the Eighth Grade Students of SMP 1 Jekulo Kudus in Academic Year 2011/2012 Before Being Taught by Using Incidental Vocabulary Learning Through Reading.

From the diagram graphic above, it can be seen that the highest frequency on post test is score 96-100 for 11 students and the lowest one is 71-75 for 1 student.

4.2 Hypothesis Testing

Testing hypothesis is purposed to find out whether hypothesis is accepted or rejected. To know whether accepted or rejected, the writer conducted t-test (t_0) for the eighth grade students of SMP 1 Jekulo Kudus in academic year 2011/2012. The complete calculation of t-test result can be seen in appendix.

As explained in the chapter III, the hypothesis was formulated as bellow:

$$H_0: \mu_1 = \mu_2$$

It means that there is no a significant difference of the vocabulary mastery of the eighth grade students of SMP 1 Jekulo Kudus in academic year 2011/2012 before and after being taught by using Incidental Vocabulary Learning Through Reading.

$$H_a: \mu_1 \neq \mu_2$$

It means that there is a significant difference between the vocabulary mastery of the eighth grade students of SMP 1 Jekulo Kudus in academic year 2011/2012 before and after being taught by using Incidental Vocabulary Learning Through Reading.

In finding a significant difference between the result of the vocabulary mastery before and after being taught by using incidental vocabulary learning through reading of the eighth grade students of SMP 1 Jekulo Kudus in academic year 2011/2012, the writer uses statistical analysis of t-test.

The result of t-test is showed t-observation (t_0) of this research is 8.67, level of significance 0.05 and degree of freedom (df) 31, t-table (t_t) is 2.042.

Therefore, t_o is higher than t-table (t_t). It is showed $t_o > t_t$, $t_o=8.67$, $t_t=2.042$, it means that, $H_o: \mu_1 = \mu_2$ is **rejected** and $H_a: \mu_1 \neq \mu_2$ is **accepted**.

From the reason above can be said there is a significant difference between the vocabulary mastery of the eighth grade students of SMP 1 Jekulo Kudus in academic year 2011 /2012 before and after being taught by using Incidental Vocabulary Learning Through Reading.

