

## CHAPTER IV

### FINDINGS AND DISCUSSION

The aim of the research is to describe the male and female students' ability in vocabulary. There are twenty one students at the fifth grade SDN Handil Purai 1 in the academic year of 2014/2015. Bellow are the description of the result of test and they are measured as the following basic measurement.

#### A. Finding

##### 1. Students' English Vocabulary

**Table 4.1 The Fifth Grade Students' Ability in English Vocabulary**

Respondent	Test			Total Score
	MC	T	MM	
1	14	2	10	64
2	14	3	10	67
3	10	3	10	59
4	12	3	9	60
5	12	2	10	60
6	16	3	9	68
7	10	2	10	56
8	10	1	5	38
9	13	1	10	59
10	13	3	8	59
11	15	3	10	69

**Continuing Table 4.1 The Fifth Grade Students' Ability in English Vocabulary**

12	10	2	5	41
13	12	2	8	54
14	12	2	10	60
15	14	5	8	67
16	13	3	8	59
17	12	1	10	57
18	13	2	10	62
19	17	4	10	76
20	12	2	10	60
21	13	3	10	65
<b>Total score</b>				<b>1260</b>

To find the total average score of the fifth grade students' ability in English vocabulary at SDN Handil Purai 1 academic year 2014-2015, the writer uses the mean as follow:

$$M = \frac{\Sigma}{N}$$

$$M = \frac{1260}{21}$$

$$M = 60$$

Note: M = Mean

$\Sigma x$  = Total of point

N = Number of respondent

The highest score is 100 and the lowest is 0.

So, the mean score of students' vocabulary test of the fifth grade students of SDN Handil Purai 1 academic year 2014-2015 is 60. It can be said that the category of students' vocabulary is fair.

**Table 4.2 Score of Categories of Students' Ability in English Vocabulary:**

No	Score	Category	Total of Students	Percentage
1	85 – < 100	Excellent	No student get the value	0%
2	70 – < 85	Good	1 student	4.76%
3	60 – <70	Fair	11 students	52.39%
4	40 – <60	Less	8 students	38.09%
5	0< 40	Bad	1 student	4.76%
<b>Total</b>				<b>100%</b>

The table above shows that the result of the test of the fifth grade students' ability in English vocabulary at SDN Handil Purai 1 academic year 2014-2015. Based on it there is no student in excellent category, 1 student (4.76%) got the score 70 – < 85 (good category), 11 students (52.39%) got the score 60 – <70 (fair category), 8 students (38.09%) got the score 40 – <60 (less category), 1 student (4.76%) got the score 0< 40 (bad category).

## 2. Male and Female of the Fifth Grade Students' Ability in English Vocabulary

### a. Males' English Vocabulary

**Table 4.3 The male Students' Ability in English Vocabulary**

No	Test			Total Score
	MC	T	MM	
1	14	2	10	64
2	14	3	10	67
3	10	3	10	59
4	12	3	9	60
5	10	2	10	56
6	10	1	5	38
7	13	1	10	59
8	13	3	8	59
9	15	3	10	69
10	10	2	5	41
<b>Total</b>	<b>121</b>	<b>23</b>	<b>87</b>	<b>572</b>

To find the total average score of male students' ability in English vocabulary at SDN Handil Purai 1 academic year 2014-2015, the writer uses the mean as follow:

$$M = \frac{\Sigma}{n}$$

$$M = \frac{572}{10}$$

$$M = 57.2$$

So, the mean score of male students' vocabulary test of the fifth grade students of SDN Handil Purai 1 academic year 2014-2015 is 57.2. It can be said that the category of males' vocabulary is bad.

**Table 4.4 Score of Categories of Male Students' Ability in English Vocabulary:**

No	Score	category	Total of Students	Percentage
1	85 – < 100	Excellent	No student get the value	0%
2	70 – < 85	Good	No student get the value	0 %
3	60 – <70	Fair	4 students	40 %
4	40 – <60	Less	5 students	50 %
5	0< 40	Bad	1 student	10 %
<b>Total</b>				<b>100%</b>

The table above shows that the result of the test of male of the fifth grade students' ability in English vocabulary at SDN Handil Purai 1 academic year 2014-2015. Based on it there is no student in excellent and good category, 4 students (40%) got the score 60 – <70 (fair category), 5 students (50%) got the score 40 – <60 (less category), 1 student (10%) got the score 0< 40 (bad category).

And then, to find out the result of the test, the writer used t-test formula to know the standard deviation value of male students.

**Table 4.5 Mean and Standard Deviation of Males' Ability in English Vocabulary**

<b>Respondent</b>	<b>X</b>	<b>X</b>	<b>x<sup>2</sup></b>
1	64	6.8	46.24
2	67	9.8	96.04
3	59	1.8	3.24
4	60	2.8	7.84
5	56	-1.2	1.44
6	38	-19.2	368.64
7	59	1.8	3.24
8	59	1.8	3.24
9	69	11.8	139.24
10	41	-16.2	262.44
<b>Total</b>	<b><math>\Sigma x = 572</math></b>		<b><math>\Sigma x^2 = 931.6</math></b>

**b. Females' Vocabulary**

**Table 4.6 The female Students' Ability in English Vocabulary**

No	Test			Total Score
	MC	T	MM	
1	12	2	10	60
2	16	3	9	68
3	12	2	8	54
4	12	2	10	60
5	14	5	8	67
6	13	3	8	59
7	12	1	10	57
8	13	2	10	62
9	17	4	10	76
10	12	2	10	60
11	13	3	10	65
<b>Total</b>	<b>146</b>	<b>29</b>	<b>103</b>	<b>668</b>

To find the total average score of female students' ability in English vocabulary at SDN Handil Purai 1 academic year 2014-2015, the writer uses the mean as follow:

$$M = \frac{\Sigma}{n}$$

$$M = \frac{668}{11}$$

$$M = 60.73$$

So, the mean score of students' vocabulary test of female students of SDN Handil Purai 1 academic year 2014-2015 is 60.73. It can be said that the category of students' vocabulary is fair.

**Table 4.7 Score of Categories of Female Students' Ability in English Vocabulary:**

No	Score	category	Total of Students	Percentage
1	85 – < 100	Excellent	No student get the value	0%
2	70 – < 85	Good	1 student	9.09%
3	60 – <70	Fair	7 students	63.63%
4	40 – <60	Less	3 students	27.28%
5	0 < 40	Bad	No student get the value	0%
<b>Total</b>				<b>100%</b>



The table above shows that the result of female test of the fifth grade students' ability in English vocabulary at SDN Handil Purai 1 academic year 2014-2015. Based on it there is no student in excellent category, 1 student (9.09%) got the score 70 – < 85 (good category), 7 students (63.63%) got the score 60 – <70 (fair category), 3 students (27.28%) got the score 40 – <60 (less category), and there is no student got the score 0< 40 (bad category).

And then, to find out the result of the test, the writer used t-test formula to know the standard deviation value of female students.

**Table 4.8 Mean and Standard Deviation of Female students' Ability in English Vocabulary**

<b>Respondent</b>	<b>Y</b>	<b>Y</b>	<b>y<sup>2</sup></b>
1	60	-0.73	0.5329
2	68	7.27	52.8529
3	54	-6.73	45.2929
4	60	-0.73	0.5329
5	67	6.27	39.3129
6	59	-1.73	2.9929
7	57	-3.73	13.9129

8	62	1.27	1.6129
9	76	15.27	223.1729
10	60	-0.73	0.5329
11	65	4.27	18.2329
<b>Total</b>	<b><math>\Sigma y = 668</math></b>		<b><math>\Sigma y^2 = 398.449</math></b>

### c. Significant Difference

To know different ability between male and female in English vocabulary, the writer using t-test formula:

Based on result of the test, the writer found the means of male and female in English vocabulary:

$$M_1 = \frac{\Sigma}{n} = \frac{572}{10} = 57.2$$

$$M_2 = \frac{\Sigma}{n} = \frac{668}{11} = 60.73$$

$M_1$  = Means score of males' ability in English vocabulary.

$M_2$  = Means score of females' ability in English vocabulary.

- To find standard deviation the writer using formula:

$$SD_1 = \sqrt{\frac{\sum z^2}{(n-1)}} = \sqrt{\frac{931.6}{(10-1)}} = 10.18$$

$$SD_2 = \sqrt{\frac{\sum z^2}{(n-1)}} = \sqrt{\frac{398.449}{(11-1)}} = 6.313$$

$SD_1$  = Standard Deviation of males' ability in English vocabulary

$SD_2$  = Standard Deviation of females' ability in English vocabulary

- To find standard error of mean the writer using formula:

$$s_1 = \frac{SD_1}{\sqrt{n-1}} = \frac{10.18}{\sqrt{10-1}} = \frac{10.18}{\sqrt{9}} = \frac{10.18}{3} = 3.393$$

$$s_2 = \frac{SD_2}{\sqrt{n-1}} = \frac{6.313}{\sqrt{11-1}} = \frac{6.313}{\sqrt{10}} = \frac{6.313}{3.17} = 1.991$$

$s_1$  = Standard Error of mean from males' ability in English vocabulary

$s_2$  = Standard Error of mean from females' ability in English vocabulary

To find standard error for comparative the writer using formula:

$$\begin{aligned} SE_{M_1 - M_2} &= \sqrt{s_1^2 + s_2^2} \\ &= \sqrt{3.393^2 + 1.991^2} \\ &= \sqrt{11.512 + 3.964} \\ &= \sqrt{15.467} = 3.933 \end{aligned}$$

And then to find t-test the writer using formula:

$$t = \frac{\bar{x}_1 - \bar{x}_2}{s_p \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}} = \frac{57.2 - 60.7}{3.93 \sqrt{\frac{1}{10} + \frac{1}{11}}} = \frac{-3.5}{3.93} = -0.898$$

To counting the degrees of freedom the writer uses this formula:

$$df/db = n_1 + n_2 - 2$$

$$= (10 + 11) - 2 = 19$$

- In significant degrees t-table 5% = 2.09
- In significant degrees t-table 1% = 2.86

From the formula above, the writer find the result that df (degrees of freedom) in this research is 19. With t-count (-0.898) < t-table 5% (2.09) < t-table 1% (2.86). T-table is higher than t-count Ho (Zero Hypothesis) is accepted and Ha (alternative Hypothesis) is rejected.

As a result in this research concludes that Ho is accepted. In the same meaning, there is no significant difference ability between male and female in English vocabulary of the fifth grade academic year 2014-2015.

## B. Discussion

Based on table 4.1 the result of the test can be seen that the highest score of the fifth grade students' ability in English vocabulary is 76 and the lower score is 38. The mean score of students' vocabulary test of the fifth grade students of SDN Handil Purai 1 academic year 2014-2015 is 60. It can be said that category of students' vocabulary is fair.

Table 4.2 shows that result of the test of the fifth grade students' ability in English vocabulary at SDN Handil Purai 1 academic year 2014-2015. Based on it there is no student in excellent category, 1 student (4.76%) get the score 70 – < 85

(good category), 11 students (52.39%) get the score 60 – <70 (fair category), 8 student (38.09%) get the score 40 – <60 (less category), 1 student (4.76%) get the score 0< 40 (bad category).

Based on table 4.3 the result of the test can be seen that the highest score of male of the fifth grade students' ability in English vocabulary is 69 and the lower score is 38. The mean score of male students' vocabulary test o the fifth grade students of SDN Handil Purai 1 academic year 2014-2015 is 57,2. It can be said that category of males' vocabulary is bad.

From the table 4.4 shows that result of the test of male of the fifth grade students' ability in English vocabulary at SDN Handil Purai 1 academic year 2014-2015. Based on it there is no student in excellent and good category, 4 students (40%) get the score 60 – <70 (fair category), 5 student (50%) get the score 40 – <60 (less category), 1 student (10%) get the score 0< 40 (bad category).

Based on table 4.6 the writer found the highest score of females' ability in English vocabulary is 76 and the lower score is 54. The mean score of students' vocabulary test of female of the fifth grade students of SDN Handil Purai 1 academic year 2014-2015 is 60.73. It can be said that category of females' vocabulary is fair.

From the table 4.7 Shows that result of female of the test of the fifth grade students' ability in English vocabulary at SDN Handil Purai 1 academic year 2014-2015. Based on it there is no student in excellent category, 1 student

(9.09%) get the score  $70 - < 85$  (good category), 7 students (63.63%) get the score  $60 - < 70$  (fair category), 3 student (27.28%) get the score  $40 - < 60$  (less category), and there is no get the score  $0 < 40$  (bad category).

So, male and female of the fifth grade students' ability in English vocabulary at SDN Handil Purai 1 academic year 2014-2015 from the test get average is 60 (fair category). But for males' vocabulary is get average 57.2 (bad category) and for females' vocabulary is get average 60.73 (fair category).

In order to see whether the significant difference is based on counting df/db, it is concluded that t-count (-0.898) is lower than t-table (5% = 2.09 and 1% = 2.86). It shows that  $H_0$  (Zero Hypothesis) is accepted and  $H_a$  (Alternative Hypothesis) is rejected. It can be concluded there is no significant difference ability between male and female in English vocabulary of the fifth grade students' at SDN Handil Purai academic year 2014-2015.