

CHAPTER IV

RESEARCH FINDINGS AND DISCUSSION

4.1 Research Findings

In this chapter, the researcher discusses the result of the research. It describes some findings and discussion about the correlation between the students' sentence mastery and their English learning achievement at the eighth grade students of SMP Pahlawan Nasional Medan. The purpose of the research is to find out the correlation between the students' sentence mastery and their English learning achievement at the eighth grade students of SMP Pahlawan Nasional Medan.

4.1.1 Data Description

a. The Students' English Learning Achievement

The data of students' achievement in English was taken from the students' report book in previous semester by asking permission to the homeroom teacher. The complete data about students' sentence mastery can be seen on the following table:

Table 4.1 Students' English Learning Achievement

No.	Students Name	English Learning Achievement
1	AC	77
2	AS	73
3	AF	83
4	AR	83
5	AP	77
6	AM	90
7	BR	83
8	DP	90
9	FP	82
10	FU	91
11	GN	75
12	IS	90

13	KP	96
14	MI	79
15	MR	84
16	MK	55
17	MF	92
18	MS	60
19	MA	82
20	MH	79
21	NA	81
22	RS	93
23	SP	82
24	SA	91
25	SR	64
26	TF	90
27	ZP	86
28	ZA	90
29	MK	76
30	KN	90

Based on the table above, the highest of the students' English learning achievement is 96 and the lowest score is 55. Then, the table frequency distribution as follows:

Table 4.2 Distribution Frequency Table of English learning achievement

Distribution of Students' English Learning Achievement			
Range of Score	Qualification	F	%
90-100	Excellent	11	37 %
75-89	Good	15	50 %
60-74	Average	3	10 %
40-59	Bad	1	3 %

It can be seen, based on the table above, that the students are divided into four categories. 11 Of 30 students got excellent score of students' English Learning Achievement (37 %), 15 students got good score of students' English learning achievement (50%), 3 students got average score of students' English learning achievement (10%), and 1

student got bad score of students English learning achievement (3%). Learning achievement in English subject at the eighth grade of SMP Pahlawan Nasional also in a good category. The average of students' English learning achievement at the eighth grade of SMP Pahlawan Nasional Medan is 82.13.

b. The Data of Student's Sentence Mastery

The data of students' sentence mastery were found from the tests which were given to 30 students of SMP Pahlawan Nasional Medan who became the research respondents. The complete data about students' sentence mastery can be seen on the following table:

Table 4.3 The Score of Students' Sentence Mastery

No.	Students Initial Name	Score
1	AC	52
2	AS	60
3	AF	72
4	AR	72
5	AP	52
6	AM	76
7	BR	72
8	DP	84
9	FP	68
10	FU	84
11	GN	60
12	IS	84
13	KP	88
14	MI	68
15	MR	76
16	MK	36
17	MF	84
18	MS	40
19	MA	72
20	MH	68
21	NA	72

22	RS	88
23	SP	68
24	SA	80
25	SR	44
26	TF	80
27	ZP	76
28	ZA	80
29	MK	60
30	KN	76

Based on the score above the highest score of the test is 88 and the lower score is 36. Then the table of frequency distribution as follows:

Table 4.4 The Distribution of Students' Sentence Mastery

Distribution of Students' Sentence Mastery			
Range of Score	Qualification	Frequency	%
86-95	Excellent	2	7%
76-86	Very good	11	36%
66-75	Good	9	30%
56-65	Fairly good	3	10%
46-55	Fair	2	7%
36-45	Poor	3	10%

It can be seen, based on the table above, that the students are divided into six categories. 2 of 30 students got excellent score of students' sentence mastery (7 %), 11 students got very good score of students' sentence mastery (36 %), 9 students got good score of students' sentence mastery (30 %), 3 students got fairly good score of students' sentence mastery (10 %), 2 students got fair score of students' sentence mastery (7 %), and 3 students got poor score of students' sentence mastery (10 %). Students' sentence mastery at the eighth grade of SMP Pahlawan Nasional Medan are generally in a good category. It is proved

from the average of students' sentence mastery of SMP Pahlawan Nasional Medan at the eighth grade namely 69.73.

4.1.2 Analysis Requirement Testing

a. Validity test

In this research, the test of validity was used Microsoft Excel 2010 as a tool in checking the validity of the test. The test was prepared in form of multiple choice questions in 30 items of sentence mastery test. The results of validity analysis shows that there were 25 items considered valid they were 1, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, and 30 items number. And the result of validity test for sentence mastery test also show that there were 5 items considered invalid they were 2, 3, 27, 28, 30 items number. Finally, it can be concluded that there are 25 valid questions and 5 invalid questions. It means that only valid questions can be used as an equipment for collecting the data. The result of validity analysis for sentence mastery test can be seen in appendix.

b. Reliability test

In this research, the test of reliability was used Microsoft Excel 2010 in checking the reliability by formula KR-20. From the result obtained by the value of reliability It was $0.7914517 > 0.70$. So, it can be concluded that the reliability of the instrument in this research is reliable.

4.1.3 Hypothesis Testing

Pearson Product Moment is used by the writer to test the hypothesis. The hypothesis of this research is that there is a significant correlation between the students' sentence mastery and their English learning Achievement. This means that, the alternative hypothesis (H_a) is accepted and the null hypothesis (H_0) is rejected. The results of the hypothesis testing with the help of SPSS 16 can be seen in the following table:

Table 4.5 The Correlation Between the Students' Sentence Mastery and Their English Learning Achievement

Correlations

		Sentence Mastery	English Learning Achievement
Sentence Mastery	Pearson Correlation	1	.964**
	Sig. (2-tailed)		.000
	N	30	30
English Learning Achievement	Pearson Correlation	.964**	1
	Sig. (2-tailed)	.000	
	N	30	30

** . Correlation is significant at the 0.05 level (2-tailed).

By using product moment correlation test with the help of the SPSS application obtained a value of r_{count} is 0.964. Then $r_{count} > r_{table}$ ($0.964 > 0.361$). This also marked with significant value of (2-tailed) is 0.000. Significance value (sig) < 0.005 ($0.000 < 0.005$). From the results of r_{count} and significant values it can be obtained that there is a correlation between students' sentence mastery and their English learning achievement. From this statement it was stated that the alternative hypothesis (H_a) was accepted and null hypothesis (H_o) was rejected which means that "there is correlation between students' sentence mastery and their English learning achievement at SMP Pahlawan Nasional Medan". From the statement above, it can be concluded that the higher the level of students' mastery of sentences, the higher their learning achievements and vice versa, the lower students' mastery of sentences, the lower their learning achievements.

4.2 Discussion

From the analysis of the data, the objective of the research is to find out if there is a significant correlation between the students' sentence mastery and their English learning achievement at the eighth grade students of SMP Pahlawan Nasional Medan.

The result on English learning achievement show shows that the average students achievement in learning English at excellent categories are 11 (37%) students, good categories are 15 (50 %) students, average categories are 3 (10%) students, and bad category is 1 (3%) students. The mean English learning achievement 82.13, which means that students' English learning achievement in a good category. The researcher concluded that the eighth grade students of SMP Pahlawan Nasional Medan have good category in English learning achievement.

From the data students' sentence mastery test gives six categories of students' sentence mastery. They are excellent, very good, good, fairly good, fair, and poor categories. From the six categories of students' sentence mastery, It can be shown that the students' sentence mastery at excellent categories are 2 (7 %) students, very good categories are 11 (36 %), good categories are 9 (30 %) students, fairly good categories are 3 (10%), fair categories are 2 (7%), and the poor categories are 3 (10%). The average sentence mastery of students is 69.73, which means that students sentence mastery are in an good categories. So, the researcher can be concluded that the eighth grade students of SMP Pahlawan Nasional Medan have good categories in sentence mastery.

From the hypothesis testing is know that there is significant correlation between the students' sentence mastery and their English learning achievement. The hypothesis is accepted. The result of the Pearson Product Moment showed that $r_{count} > r_{table} = 0.964 > 0.361$ with the significant $p = 0.000 < 0.05$. Furthermore, the researcher can conclude that this analysis there is a significant correlation between the students' sentence mastery and their English learning achievement at the eighth grade students of SMP Pahlawan Nasional Medan.