

CHAPTER IV

FINDINGS AND DISCUSSION

A. Finding

To know more about students' grammar mastery in Past Tense, the writer tested the students using written test. In this test the writer uses multiple choice and rearrange the jumbled words. The students answered 15 questions for 40 minutes. As a result, if the students can answer right for all the questions, the students can get highest is 100 points.

1. The Pre Test Result About Students Mastery in Past Tense For Experiment Class And Control Class Of Eighth Grade Students At Mtsn Panyipatan

The result pre test of experiment class at eighth grade students MTsN Panyipatan. It can be seen in the following tables:

Table 4.1 The Students' Pre Test Result of Past Tense in Experiment Class

No	Name	Type of Written Test		Score
		Multiple Choice	Jumbled words	
1	Student A	54	0	54
2	Student B	12	8	20
3	Student C	12	16	28
4	Student D	30	16	46
5	Student E	54	0	54
6	Student F	24	16	40

7	Student G	30	8	38
8	Student H	54	0	54
9	Student I	54	0	54
10	Student J	30	16	46
11	Student K	24	16	40
12	Student L	24	16	40
13	Student M	30	16	46
14	Student N	30	16	46
15	Student O	54	8	62
16	Student P	18	16	34
Total Score				702

Based on the table above, It shows that the score of the students' pre test result in experiment class the highest is 62. The score which are divided in multiple choice score is 54 and jumbled words score is 8. While the lowest score is 20 which are divided in multiple choice is 12 and jumbled words is 8. Then, the accumulated score is 702.

To know the students' mastery in Past Tense for experiment class before the class is taught Past Tense using Pocket Chart by teacher at the eighth grade MTsN Panyipatan, the writer uses the accounting of mean score as follow:

$$M_1 =$$

$$M_1 =$$

$$M_1 = 43,88$$

Based on the pre test result, it can be seen that students' mastery in Past Tense for experiment class at the eighth grade students of MTsN Panyipatan can be concluded in poor category.

The result pre test of control class at eighth grade students MTsN Panyipatan. It can be seen in the following tables:

Table 4.2 The Students' Pre Test Result of Past Tense in Control Class

No	Name	Type of Written Test		Score
		Multiple Choice	Jumbled words	
1	Student A	24	8	32
2	Student B	18P	8	26
3	Student C	24	16	40
4	Student D	24	16	40
5	Student E	36	24	60
6	Student F	24	8	32
7	Student G	18	16	34
8	Student H	18	8	26
9	Student I	12	16	28
10	Student J	48	16	64
11	Student K	36	24	60
12	Student L	12	16	28
13	Student M	48	16	64

14	Student N	12	16	28
15	Student O	36	0	36
16	Student P	36	24	60
Total Score				658

Based on the table above, It shows that the score of the students' pre test result in control class the highest is 64. There are 2 students get score 64. The score which are divided in multiple choice score is 48 and jumbled words score is 16. While the lowest score is 26 which are divided in multiple choice is 18 and jumbled words is 8. Then, the accumulated score is 658.

To know the students' mastery in Simple Past Tense for control class before the class is taught Simple Past Tense without using Pocket Chart by teacher at the eighth grade MTsN Panyipatan, the writer uses the accounting of mean score as follow:

$$M_2 =$$

$$M_2 =$$

$$M_2 = 41,13$$

Based on the pre test result, it can be seen that students' mastery in Past Tense for control class at the eighth grade students of MTsN Panyipatan can be concluded in poor category.

2. The Post Test Result About Students Mastery in Past Tense For Experiment Class And Control Class Of Eighth Grade Students At MtsN Panyipatan

The result post test of experiment class at eighth grade students MTsN

Panyipatan. It can be seen in the following tables:

Table 4.3 The Students' Post Test Result of Past Tense in Experiment Class

No	Name	Type of Written Test		Score
		Multiple Choice	Jumbled words	
1	Student A	48	32	80
2	Student B	48	32	80
3	Student C	36	16	52
4	Student D	60	32	92
5	Student E	60	40	100
6	Student F	42	32	74
7	Student G	54	32	86
8	Student H	48	32	80
9	Student I	48	32	80
10	Student J	42	32	74
11	Student K	36	24	60
12	Student L	60	40	100
13	Student M	48	32	80
14	Student N	54	32	86
15	Student O	60	40	100
16	Student P	36	24	60

Total Score	1284
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Based on the table above, It shows that the score of experiment class the highest is 100. There are 3 students get score 100. The score which are divided in multiple choices score is 60 and jumbled words score is 40. While the lowest score is 52 which are divided in multiple choice is 36 and jumbled words is 16. Then, the accumulated score is 1284.

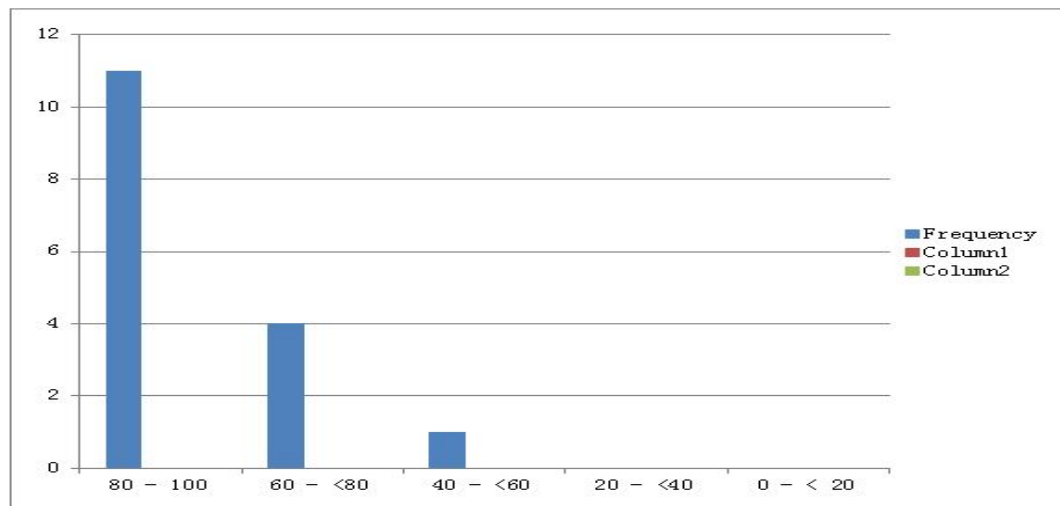
Table 4.4 The Frequency Distribution Of The Students' Test Result In Experiment Class

No	Score	Frequency	Percentage (%)	Category
1	80 - 100	11	68,75	Very high
2	60 - < 80	4	25	High
3	40 - < 60	1	6,25	Fair
4	20 - < 40	0	0	Low
5	0 - < 20	0	0	Very Low

From the table above, it can be seen that there are no one students (0%) whose score are around 0-<20 that classified very low category. There are no one students (0%) whose score are around 20-<40 that classified in low category. There are only 1 students (6,25%) whose score are around 40-<60 that classified in fair category. There are 4 students (25%) whose score are around 60-<80 that

classified in high category. There are 11 students (68,75%) whose score are around 80-100 that classified in very high category.

The Chart of Frequency of the Students' Test Result in Experiment Class at Eighth Grade Mtsn Panyipatan.



To know the students' mastery in Past Tense experiment class at eighth grade MTsN Panyipatan, the writer uses the accounting of mean score as follows:

$$M_1 =$$

$$M_1 =$$

$$M_1 = 80,25$$

So, the students mastery of Past Tense for experiment class at the eighth grade MTsN Panyipatan is excellent category.

Table 4.5 The Students' Post Test Result of Past Tense In Control Class

No	Name	Type of Written Test		Score
		Multiple Choice	Jumbled words	
1	Student A	36	16	52

2	Student B	30	16	46
3	Student C	48	16	64
4	Student D	30	16	46
5	Student E	36	40	76
6	Student F	36	24	60
7	Student G	54	0	54
8	Student H	30	16	46
9	Student I	48	40	88
10	Student J	36	24	60
11	Student K	54	40	94
12	Student L	30	16	46
13	Student M	54	16	70
14	Student N	54	0	54
15	Student O	24	16	40
16	Student P	48	16	64
Total Score				960

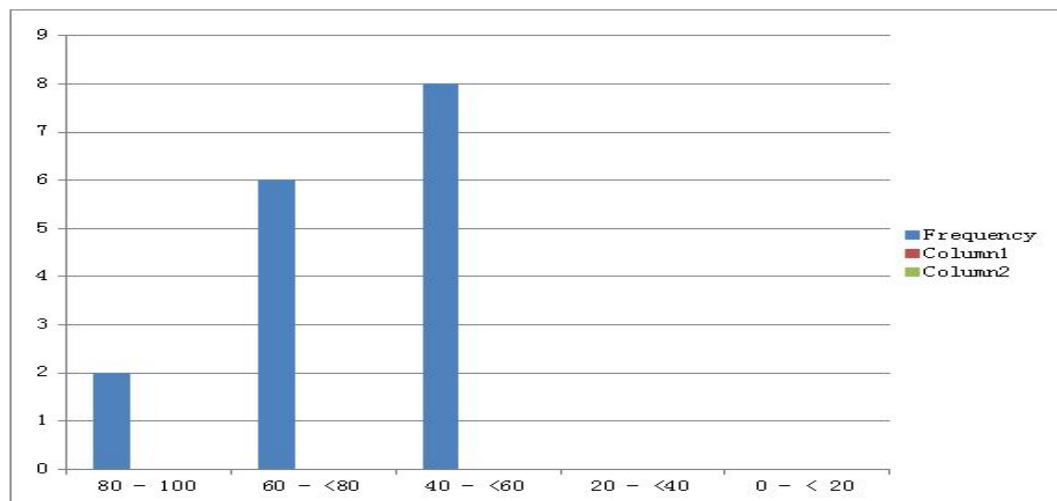
Based on the table above, it shows that the score of control class the highest is 94 which are divided in multiple choice is 54 and jumbled words is 40. While the lowest score is 40 which are divided in multiple choice is 24 and jumbled words is 16. Then, the accumulated score is 960.

Table 4.6 The Frequency Distribution of The Students' Test Result in Control Class

No	Score	Frequency	Percentage (%)	Category
1	80 - 100	2	12,5	Very high
2	60 - < 80	6	37,5	High
3	40 - < 60	8	50	Fair
4	20 - < 40	0	0	Low
5	0 - < 20	0	0	Very Low

From the table above, it can be seen that there are no one students (0%) whose score are around 0-<20 that classified very low category. There are no student (0%) whose score are around 20-<40 that classified in low category. There are 8 students (50%) whose score are around 40-<60 that classified in fair category. There are 6 students (37,5%) whose score are around 60-<80 that classified in high category. There are only 2 students (12,5%) whose score are around 80-100 that classified in very high category.

The Chart of Frequency of the Students' Test Result in Control Class at Eighth Grade Mtsn Panyipatan In Academic Year 2024/2015



To know the students' mastery in Past Tense control class at eighth grade of MTsN Panyipatan, the writer uses the accounting of mean score as follows:

$$M_2 =$$

$$M_2 =$$

$$M_2 = 60$$

So, the students' mastery in Past Tense for control class at the eighth grade MTsN Panyipatan is fair category.

B. Discussion

In this research, the writer uses comparative research to know the effectiveness of teaching and learning Past Tense between using Pocket Chart in experiment class and without using Pocket Chart in control class. The writer uses 't-test'. After all the collected data have been processed, the writer analyzes than and makes conclusion by using the "t-test" formula.

1. Based on the result of the post test, the writer calculates the mean formula of each major students.

$$M_1 = = = 80,25$$

$$M_2 = = = 60$$

M_1 = Calculating mean of experiment class.

M_2 = Calculating mean of control class.

2. The writer counts standard derivation of each major by using formula:

$$SD_1 = = = 13,85$$

$$SD_2 = \dots = 15,3$$

SD_1 = Standard deviation of experiment class for valid the data.

SD_2 = Standard deviation of control class for valid the data.

3. The writer counts standard error of mean from each major by using formula:

$$SE M_1 = \dots = 4,62$$

$$SE M_2 = \dots = 5,1$$

$SE M_1$: Standard Error of the experiment class to make the data valid.

$SE M_2$: Standard Error of the control class to make the data valid.

4. The writer counts standard error from both subject by using formula:

$$SE M_1 - M_2 =$$

$$=$$

$$=$$

$$=$$

$$= 6,88$$

5. The writer counts t-test by using formula:

$$t \text{ test} =$$

$$=$$

$$=$$

$$= 2,94$$

6. After having the t-test score, look at the table by counting the degree of freedom.

$$t \text{ table} = (N_1 + N_2) - 2$$

$$= (16+16) - 2$$

$$= 34$$

After the writer finds the df (degree of freedom) which is 34, because in the table t-test there is not 34, the writer uses the nearest with 34, it is 35. In the table t-test, df 35 is 5% is 2,03 and 1% is 2,72. Table t-test can be seen in appendix 16.

7. The writer makes a conclusion

Thus, t table (5% = 2,03) < t-test 2,94) > (1% = 2,72). It shows that t-test in the study is higher than t-table 5% and 1 % .H₀ (zero hypotheses) is rejected H_a (alternative hypotheses) is accepted. By this result, the writer concludes that H_a is accepted. It means that there is a significant difference in the effectiveness of teaching and learning Past Tense between students in experiment class and control class. And the finding of the research support theories and give English teachers more evidence that the application of the Pocket Chart has many advantages in teaching Past Tense.