## CHAPTER IV

## RESULT OF THE STUDY

This chapter covers description of the data, test of normality and homogeneity, result of the data analyses and discussion.

## A. Description of The Data

This section discusses the obtained data of the effect of using two stay two stray techniques in teaching reading descriptive text. The presented data consisted of pre-test and post-test scores. The comparison pre test and post test scores were presented in the following table:

### 4.1 Result of Pre-test and Post Test Score

| EXPERIMENTAL CLASS |  |  |  |  | CONTROL CLASS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | CODE | SCORE |  |  | NO | CODE | SCORE |  |  |
| NO |  | PRE- TEST | $\begin{gathered} \text { POST- } \\ \text { TEST } \\ \hline \end{gathered}$ | $\begin{gathered} \text { DIFFE } \\ \text { RENCE } \\ \hline \end{gathered}$ |  |  | $\begin{aligned} & \text { PRE- } \\ & \text { TEST } \end{aligned}$ | $\begin{gathered} \text { POST- } \\ \text { TEST } \\ \hline \end{gathered}$ | DIFFE <br> RENCE |
| 1 | E-01 | 41.9 | 64.5 | 22.6 | 1 | C-01 | 54.8 | 58.0 | 3.2 |
| 2 | E-02 | 61.2 | 70.9 | 9.7 | 2 | C-02 | 51.6 | 51.6 | 0 |
| 3 | E-03 | 51.6 | 77.4 | 25.8 | 3 | C-03 | 74.1 | 80.6 | 6.5 |
| 4 | E-04 | 51.6 | 74.1 | 22.5 | 4 | C-04 | 61.2 | 54.8 | -6.4 |
| 5 | E-05 | 74.1 | 80.6 | 6.5 | 5 | C-05 | 51.6 | 61.2 | 9.6 |
| 6 | E-06 | 41.9 | 64.5 | 22.6 | 6 | C-06 | 51.6 | 61.2 | 9.6 |
| 7 | E-07 | 54.8 | 70.9 | 16.1 | 7 | C-07 | 54.8 | 74.1 | 19.3 |
| 8 | E-08 | 70.9 | 83.8 | 12.9 | 8 | C-08 | 48.3 | 61.2 | 12.9 |
| 9 | E-09 | 48.3 | 74.1 | 25.8 | 9 | C-09 | 74.1 | 77.4 | 3.3 |
| 10 | E-10 | 38.7 | 67.7 | 29 | 10 | C-10 | 64.5 | 61.2 | -3.3 |
| 11 | E-11 | 48.3 | 64.5 | 16.2 | 11 | C-11 | 45.1 | 67.7 | 22.6 |
| 12 | E-12 | 54.8 | 70.9 | 16.1 | 12 | C-12 | 41.9 | 48.3 | 6.4 |
| 13 | E-13 | 77.4 | 80.6 | 3.2 | 13 | C-13 | 64.5 | 64.5 | 0 |


| 14 | E-14 | 70.9 | 77.4 | 6.5 | 14 | C-14 | 64.5 | 61.2 | -3.3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 15 | E-15 | 67.7 | 74.1 | 6.4 | 15 | C-15 | 74.1 | 67.7 | -6.4 |
| 16 | E-16 | 64.5 | 77.4 | 12.9 | 16 | C-16 | 61.2 | 67.7 | 6.5 |
| 17 | E-17 | 54.8 | 77.4 | 22.6 | 17 | C-17 | 41.9 | 45.1 | 3.2 |
| 18 | E-18 | 64.5 | 70.9 | 6.4 | 18 | C-18 | 67.7 | 64.5 | -3.2 |
| 19 | E-19 | 64.5 | 80.6 | 6.1 | 19 | C-19 | 74.1 | 77.4 | 3.3 |
| 20 | E-20 | 74.1 | 83.8 | 9.7 | 20 | C-20 | 64.5 | 61.2 | -3.3 |
| 21 | E-21 | 61.2 | 67.7 | 6.5 | 21 | C-21 | 45.1 | 70.9 | 25.8 |
| 22 | E-22 | 58.0 | 77.4 | 19.4 | 22 | C-22 | 67.7 | 67.7 | 0 |
| 23 | E-23 | 67.7 | 87.0 | 19.3 | 23 | C-23 | 70.9 | 74.1 | 3.2 |
| 24 | E-24 | 61.2 | 74.1 | 12.9 | 24 | C-24 | 61.2 | 64.5 | 3.3 |
| TOTAL |  | 1424.6 | 1792.3 | 357.7 | 25 | C-25 | 45.1 | 48.3 | 3.2 |
| MEAN |  | 59.3583 | 74.6792 | 14.9042 |  | TAL | 1476.1 | 1592.1 | 116 |
| LOWEST |  | 38.7 | 64.5 |  |  | EAN | 59.044 | 63.684 | 4.64 |
| HIGHEST |  | 77.4 | 87.0 |  |  | NEST | 41.9 | 45.1 |  |
|  |  |  |  |  |  | HEST | 74.1 | 80.6 |  |

From the table above the mean score of pre test and post test of the experimental class are 59.3583 and 74.6792 . Meanwhile, the highest score pre test and post test of the experimental class are 77.4and 87.0, the lowest scores pre test and post test of the experimental class are 38.7 and 64.5 . In addition, the mean score pre test and post test of the control class are 59.044 and 63.684. Meanwhile, the highest score pre test and post test of the control class are 74.1 and 80.6. The lowest scores pre test and post test of the control class are 41.9 and 45.1.

## B. Test of Statistical Analysis

## 1. The Result of Pre-Test Score

The students' pre test score are distributed in the following table in order toanalyze the students' knowledge before conducting the treatment.

Table 4.2 pre-test score of Experimental and Control Group

| Experimental Group |  |  |  | Control Group |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Code | Score | CORRECT | PREDICATE | CODE | SCORE | CORRECT | $\begin{aligned} & \text { PREDICAT } \\ & \text { E } \end{aligned}$ |
|  |  | ANSWER |  |  |  | ANSWER |  |
| E-01 | 41.9 | 13 | FAIL | C-01 | 54.8 | 17 | LESS |
| E-02 | 61.2 | 19 | ENOUGH | C-02 | 51.6 | 16 | LESS |
| E-03 | 51.6 | 16 | LESS | C-03 | 74.1 | 23 | GOOD |
| E-04 | 51.6 | 16 | LESS | C-04 | 61.2 | 19 | ENOUGH |
| E-05 | 74.1 | 23 | GOOD | C-05 | 51.6 | 16 | LESS |
| E-06 | 41.9 | 13 | FAIL | C-06 | 51.6 | 16 | LESS |
| E-07 | 54.8 | 17 | LESS | C-07 | 54.8 | 17 | LESS |
| E-08 | 70.9 | 22 | GOOD | C-08 | 48.3 | 15 | FAIL |
| E-09 | 48.3 | 15 | FAIL | C-09 | 74.1 | 23 | GOOD |
| E-10 | 38.7 | 12 | FAIL | C-10 | 64.5 | 20 | ENOUGH |
| E-11 | 48.3 | 15 | FAIL | C-11 | 45.1 | 15 | FAIL |
| E-12 | 54.8 | 17 | LESS | C-12 | 41.9 | 13 | FAIL |
| E-13 | 77.4 | 24 | GOOD | C-13 | 64.5 | 20 | ENOUGH |
| E-14 | 70.9 | 22 | GOOD | C-14 | 64.5 | 20 | ENOUGH |
| E-15 | 67.7 | 21 | ENOUGH | C-15 | 74.1 | 23 | GOOD |
| E-16 | 64.5 | 20 | ENOUGH | C-16 | 61.2 | 19 | ENOUGH |
| E-17 | 54.8 | 17 | LESS | C-17 | 41.9 | 13 | FAIL |
| E-18 | 64.5 | 20 | ENOUGH | C-18 | 67.7 | 21 | ENOUGH |
| E-19 | 64.5 | 20 | ENOUGH | C19 | 74.1 | 23 | GOOD |
| E-20 | 74.1 | 23 | GOOD | C-20 | 64.5 | 20 | ENOUGH |
| E-21 | 61.2 | 19 | ENOUGH | C-21 | 45.1 | 14 | FAIL |
| E-22 | 58.0 | 18 | LESS | C-22 | 67.7 | 21 | ENOUGH |
| E-23 | 67.7 | 21 | ENOUGH | C-23 | 70.9 | 22 | GOOD |
| E-24 | 61.2 | 19 | ENOUGH | C-24 | 61.2 | 19 | ENOUGH |
| TOTAL |  | 1424.6 |  | C-25 | 45.1 | 14 | FAIL |
| AVERAGE |  | 59.3583 |  | TOTAL |  | 1476.1 |  |
| Lowest Score |  | 38.7 |  | AVERAGE |  | 59.044 |  |
| Highest Score |  | 77.4 |  | Lowest Score |  | 41.9 |  |
|  |  |  |  | Highest Score |  | 74.1 |  |

The table above shows the comparison of pre test score achieved by
experimental and control group. The highest score of experimental group is77.4 and
the lowest score is 38.7 . There are five students whose score at fail category. There are six students whose score at less category. There are eight students whose score at enough category and there are five students whose score at at good category. Meanwhile, the highest score of control group is 74.1 and the lowest score is 41.9. There are six students whose score at fail category. There are five students whose score at less category. There are nine students whose score at enough category and there are five students whose score at good category.

## a. The Result of Pretest Score of Experimental group.

Based on the data above, the highest score is 77.4 and the lowest score is 38.7 . To determine the range of score, the class interval, and interval of temporary, the writer calculated using formula as follows:

The Highest Score $(\mathrm{H})=77.4$
The Lowest Score (L) $=38.7$
The Range of Score (R) $=\mathrm{H}-\mathrm{L}+1$

$$
\begin{aligned}
& =77.4-38.7+1 \\
& =39.7
\end{aligned}
$$

The Class Interval $(K)=1+(3.3) \times \log n$

$$
\begin{aligned}
& =1+(3.3) \times \log 24 \\
& =1+3.3 \times 1.380211242 \\
& =1+4.554697098 \\
& =5.554697098 \\
& =5.5
\end{aligned}
$$

Interval of Temporary $(\mathrm{I})=\frac{R}{K}=\frac{39.7}{5.5}=7.21=7$
So, the range of score is 39.7 , the class interval is 7 , and interval of temporary is 7. Then, it presents using frequency distribution in the following table:

Table 4.3 Frequency Distribution of the Pretest Score

| Class <br> $(\mathrm{K})$ | Interval (I) | Frequency <br> (F) | Mid <br> Point <br> (x) | The <br> Limitation <br> of each <br> group | Frequency <br> Relative (\%) | Frequency <br> Cumulativ <br> e (\%) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $38.1-44.1$ | 3 | 41.1 | $37.6-44.6$ | 12.5 | 100 |
| 2 | $44.2-50.2$ | 2 | 47.2 | $43.7-50.7$ | 8.33 | 87.84 |
| 3 | $50.3-56.3$ | 5 | 53.3 | $49.8-56.8$ | 20.83 | 79.14 |
| 4 | $56.4-62.4$ | 4 | 59.4 | $55.9-62.9$ | 16.66 | 58.31 |
| 5 | $62.5-68.5$ | 5 | 65.5 | $62-69$ | 20.83 | 41.65 |
| 6 | $68.6-74.1$ | 4 | 71.6 | $68.1-75.1$ | 16.66 | 20.82 |
| 7 | $74.7-80.7$ | 1 | 77.7 | $74.2-81.2$ | 4.16 | 4.16 |
|  |  | $\sum \mathrm{~F}=24$ |  |  | $\sum \mathrm{p}=100$ |  |

The Distribution of students' pretest score of the experimental group can also be seen in the following figure.

Figure 4.1
The Frequency Distribution of Pre-test for experimental group


The table and the figure above show the pre test score of the students in the experimental group. There are three students who get score 38.1-44.1 which the percentage is $12,5 \%$. There are two students who get score 44.2-50.2 which the percentage is $8,3 \%$. There are five students who get score 50.3-56.3 which the percentage is $20,8 \%$. There are four students who get score $56.4-62.4$ which the percentage is $16,6 \%$. There are five students who get score $62.5-68.5$ which the percentage is $20,8 \%$. There are four students who get score $68.6-74.6$ which the percentage is $16,6 \%$. There is one student who gets $74.7-80.7$ which the percentage is $4,16 \%$.

The next step, the writer tabulated the scores into the table for the calculation of mean, Standard deviation, and standard error as follows:

Table 4.4 The Table for Calculating mean, Standard deviation, and standard error of Pretest Score.

| Class <br> (K) | Interval <br> (I) | Frequency <br> (F) | Mid Point (x) | Fx | X | Fx ${ }^{\prime}$ | Fx'2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 38.1-44.1 | 3 | 41.1 | 123.3 | 3 | 9 | 27 |
| 2 | 44.2-50.2 | 2 | 47.2 | 94.4 | 2 | 4 | 8 |
| 3 | 50.3-56.3 | 5 | 53.3 | 266.5 | 1 | 5 | 5 |
| 4 | 56.4-62.4 | 4 | 59.4 | 237.6 | 0 | 0 | 0 |
| 5 | 62.5-68.5 | 5 | 65.5 | 327.5 | -1 | -5 | 5 |
| 6 | 68.6-74.1 | 4 | 71.6 | 286.4 | -2 | -8 | 16 |
| 7 | 74.7-80.7 | 1 | 77.7 | 77.7 | -3 | -3 | 9 |
| $\sum$ Total |  | 24 |  | $\sum \mathrm{Fx}=1413.4$ |  | $\sum \mathrm{Fx}^{\prime}=2$ | $\sum \mathrm{Fx}^{\prime} 2=70$ |

## 1) Calculating Mean

$$
\mathrm{Mx}=\frac{\sum F X_{i}}{n}=\frac{1413.4}{24}=58.89
$$

## 2) Standard Deviation

$$
\begin{aligned}
& S D_{1}=\mathrm{i} \sqrt{\frac{\sum f x^{\prime 2}}{N}-\left(\frac{\sum f x^{\prime}}{N}\right)^{2}} \\
& S D_{1}^{1}=7 \sqrt{\frac{70}{24}-\left(\frac{2}{24}\right)^{2}} \\
& S D_{1}=7 \sqrt{2.916-(0.08)^{2}} \\
& S D_{1}=7 \sqrt{2.916-0.0064} \\
& S D_{1}=7 \sqrt{2.9096}
\end{aligned}
$$

$$
S D_{1}=7 \times 1.705754965
$$

$$
S D_{1}=11.94028
$$

## 3) Standard Error

$$
\mathrm{SE}_{\mathrm{md}}=\frac{S}{\sqrt{N-1}}=\frac{11.94028}{\sqrt{24-1}}=\frac{11.94028}{\sqrt{23}}=\frac{11.94028}{4.79583}=2,489721
$$

The result calculation show the mean of the pre test score of experimental group is 58.89 , standard deviation of pre test score of the experimental group is 11.94028 and the standard error of pre test score of the experimental group is 2.48972. The next step the writer showed the result calculation of mean, standard deviation and standard error in the following table:

Table 4.5 The Result Calculation Mean, Standard Deviation and Standard Error

| EXPERIMENT GROUP |  |
| :---: | :---: |
| Mean | 58.89 |
| Standard Error | 2.489721 |
| Standard Deviation | 11.94028 |

## b. The Result of Pretest Score of Control Group.

Based on the data above, the highest score is 74.1 and the lowest score is 41.9 . To determine the range of score, the class interval, and interval of temporary, the writer calculated using formula as follows:

The Highest Score (H) $=74,1$
The Lowest Score (L) $=41.9$
The Range of Score (R) $=\mathrm{H}-\mathrm{L}+1$

$$
=74,1-41.9+1
$$

$$
=33.2
$$

The Class Interval $(K)=1+(3.3) \times \log n$

$$
\begin{aligned}
& =1+(3.3) \times \log 25 \\
& =1+(3.3) \times 1.39794009 \\
& =1+4,6132020 \\
& =5,6132020 \\
& =6
\end{aligned}
$$

Interval of Temporary (I) $=\frac{R}{K}=\frac{33.2}{6}=5,53=5$ or 6
So, the range of score is 33.2 , the class interval is 6 , and interval of temporary is 5 or 6 . Then, it presents using frequency distribution in the following table:

Table 4.6 Frequency Distribution of the Pretest Score

| Class <br> $(\mathbf{K})$ | Interval (I) | Frequency <br> $(\mathbf{F})$ | Mid <br> Point <br> $(\mathbf{x})$ | The <br> Limitation <br> of each <br> group | Frequency <br> Relative <br> $(\%)$ | Frequency <br> Cumulative <br> $(\%)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $41.1-46.1$ | 5 | 43.6 | $40.6-46.6$ | 20 | 100 |
| 2 | $46.2-51.2$ | 1 | 48.7 | $45.7-51.7$ | 4 | 80 |
| 3 | $51.3-56.3$ | 5 | 53.8 | $50.8-56.8$ | 20 | 76 |
| 4 | $56.4-61.4$ | 3 | 58.9 | $55.9-61.9$ | 12 | 56 |
| 5 | $61.5-66.5$ | 4 | 64 | $61-67$ | 16 | 44 |
| 6 | $66.6-71.6$ | 3 | 69.1 | $66.1-72.1$ | 12 | 28 |
| 7 | $71.7-76.7$ | 4 | 74.2 | $71.2-77.2$ | 16 | 16 |
|  |  | $\sum \mathrm{~F}=25$ |  |  | $\sum \mathrm{p}=100$ |  |

The distribution of students' pretest score can also be seen in the following figure.

Figure 4.2 the Frequency Distribution of Pre-test score for control group


The table and the figure above show the students' pretest score. There are five students who get score 41.1-46.1 which the percentage is $20 \%$. There is one student who gets score $46.2-51.2$ which the percentage is $4 \%$. There are five studentswho get score $51.3-56,3$ which the percentage is $20 \%$. There are three students who get score $56,4-61.4$ which the percentage is $12 \%$. There are four students who get score 61.5-66.5 which the percentage is $16 \%$. There are three students who get score 66.671.6 which the percentage is $12 \%$. There are fourstudents who get score 71.7-76.7 which the percentage is $16 \%$.

The next step, the writer tabulated the scores into the table for the calculation of mean, Standard deviation, and standard error as follows:

Table 4.7 the Table for Calculating mean, Standard deviation, and standard error of Pretest Score

| Class <br> (K) | Interval (I) | Freque <br> ncy <br> (F) | Mid <br> Point <br> (x) | $\mathbf{F x}$ | $\mathbf{X}$, | Fx, | Fx'2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $41.1-46.1$ | 5 | 43.6 | 218 | 3 | 15 | 45 |
| 2 | $46.2-51.2$ | 1 | 48.7 | 48.7 | 2 | 2 | 4 |
| 3 | $51.3-56.3$ | 5 | 53.8 | 269 | 1 | 5 | 5 |
| 4 | $56.4-61.4$ | 3 | 58.9 | 176.7 | 0 | 0 | 0 |
| 5 | $61.5-66.5$ | 4 | 64 | 256 | -1 | -4 | 4 |
| 6 | $66.6-71.6$ | 3 | 69.1 | 207.3 | -2 | -6 | 12 |
| 7 | $71.7-76.7$ | 4 | 74.2 | 296.8 | -3 | -12 | 36 |
| $\sum$ Total |  |  |  |  |  |  |  |

1) Calculating Mean

$$
\mathrm{Mx}=\frac{\sum F X_{i}}{n}=\frac{1472.5}{25}=58.9
$$

2) Standard Deviation

$$
\begin{aligned}
& S \boldsymbol{D}_{1}=\mathrm{i} \sqrt{\frac{\sum f x^{\prime 2}}{N}-\left(\frac{\sum f x^{\prime}}{N}\right)^{2}} \\
& S \boldsymbol{D}_{1}=6 \sqrt{\frac{106}{52}-\left(\frac{0}{25}\right)^{2}} \\
& S D_{1}=6 \sqrt{4.24-(0)^{2}} \\
& S D_{1}=6 \sqrt{4.24} \\
& S D_{1}=6 \times 2.059126028
\end{aligned}
$$

$$
S D_{1}=12.35475
$$

## 3) Standard Error

$$
\mathrm{SEM}_{\mathrm{D}}=\frac{S}{\sqrt{N-1}}=\frac{12.35475}{\sqrt{25-1}}=\frac{12.35475}{\sqrt{25}}=\frac{12.35475}{4.898979}=2.52190
$$

The result calculation show the mean of the pre test score of control group is 58.9, standard deviation of pre test score of the control group is 12.35475 and the standard error of pre test score of the control group is 2.52190 . The next step the writer shows the result calculation of mean, standard deviation and standard error in the following table:

Table 4.8 The Result Calculation Mean, Standard Deviation and standard Error

| CONTROL GROUP |  |
| :---: | :---: |
| Mean | 58.9 |
| Standard Error | 2.52190 |
| Standard Deviation | 12.35475 |

## 2. The Result of Post-Test Score

The students' score are distributed in the following table in order to analyze the students' knowledge after conducting the treatment

Table 4.9 The Post Test score of Experimental and Control Group

| Experimental Group |  |  |  | Control Group |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Code | Score | CORRECT | PREDICATE | CODE | SCORE | CORRECT | $\begin{aligned} & \text { PREDICAT } \\ & \text { E } \end{aligned}$ |
|  |  | ANSWER |  |  |  | ANSWER |  |
| E-01 | 64.5 | 20 | ENOUGH | C-01 | 58.0 | 18 | LESS |


| E-02 | 70.9 | 22 | GOOD | C-02 | 51.6 | 16 | LESS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| E-03 | 77.4 | 24 | GOOD | C-03 | 80.6 | 25 | EXCELLENT |
| E-04 | 74.1 | 23 | GOOD | C-04 | 54.8 | 17 | LESS |
| E-05 | 80.6 | 25 | EXCELLENT | C-05 | 61.2 | 19 | ENOUGH |
| E-06 | 64.5 | 20 | ENOUGH | C-06 | 61.2 | 19 | ENOUGH |
| E-07 | 70.9 | 22 | GOOD | C-07 | 74.1 | 23 | GOOD |
| E-08 | 83.8 | 26 | EXCELLENT | C-08 | 61.2 | 19 | ENOUGH |
| E-09 | 74.1 | 23 | GOOD | C-09 | 77.4 | 24 | GOOD |
| E-10 | 67.7 | 21 | ENOUGH | C-10 | 61.2 | 19 | ENOUGH |
| E-11 | 64.5 | 20 | ENOUGH | C-11 | 67.7 | 21 | ENOUGH |
| E-12 | 70.9 | 22 | GOOD | C-12 | 48.3 | 15 | FAIL |
| E-13 | 80.6 | 25 | EXCELLENT | C-13 | 64.5 | 20 | ENOUGH |
| E-14 | 77.4 | 24 | GOOD | C-14 | 61.2 | 19 | ENOUGH |
| E-15 | 74.1 | 23 | GOOD | C-15 | 67.7 | 21 | ENOUGH |
| E-16 | 77.4 | 24 | GOOD | C-16 | 67.7 | 21 | ENOUGH |
| E-17 | 77.4 | 24 | GOOD | C-17 | 45.1 | 14 | FAIL |
| E-18 | 70.9 | 22 | GOOD | C-18 | 64.5 | 20 | ENOUGH |
| E-19 | 80.6 | 25 | EXCELLENT | C19 | 77.4 | 24 | GOOD |
| E-20 | 83.8 | 26 | EXCELLENT | C-20 | 61.2 | 19 | ENOUGH |
| E-21 | 67.7 | 21 | ENOUGH | C-21 | 70.9 | 22 | GOOD |
| E-22 | 77.4 | 24 | GOOD | C-22 | 67.7 | 21 | ENOUGH |
| E-23 | 87.0 | 27 | EXCELLENT | C-23 | 74.1 | 23 | GOOD |
| E-24 | 74.1 | 23 | GOOD | C-24 | 64.5 | 20 | ENOUGH |
| TOTAL |  | 1792.3 | C-25 | 48.3 | 15 | FAIL |  |
| AVERAGE |  | 74.6792 | TOTAL |  | 1624.4 |  |  |
| Lowest Score |  | 64.5 | AVERAGE |  | 64.98 |  |  |
| Highest Score |  | 87.0 | Highest score |  | 80.6 |  |  |
|  |  |  |  | score |  | 45.1 |  |

T he table above shows the comparison of post test score achieved by experimental and control group. The highest score of the experimental group is 87.0 and the lowest score is 64.5 . There are no students whose score at fail category. There are no students whose score at less category. There are two students whose score at enough category. There are thirteen students whose score at good category. There are
six students whose score at excellent category. Meanwhile, the highest score of control group is 80.6 and the lowest score is 45.1 . There are three students whose score at fail category. There are three students whose score at less category. There are thirteen students whose score at enough category. There are five students whose score at good category and there is one student whose score at excellent category.

## a. The Result of Post-test Score of Experiment Group.

Based on the data above, the highest score is 87,0 and the lowest score is 64.5 . To determine the range of score, the class interval, and interval of temporary, the writer calculated using formula as follows:

The Highest Score $(H)=87,0$
The Lowest Score (L) $=64.5$
The Range of Score (R) = H-L+1

$$
\begin{gathered}
=87,0-64.5+1 \\
=23.5
\end{gathered}
$$

The Class Interval $(\mathrm{K})=1+(3.3) \times \log n$

$$
\begin{aligned}
& =1+(3.3) \times \log 24 \\
& =1+(3.3) \times 1.380211242 \\
& =1+4.5546970 \\
& =5.554697 \\
& =6
\end{aligned}
$$

Interval of Temporary (I) $=\frac{R}{K}=\frac{23.5}{6}=3.91=4$

So, the range of score is 23.5 , the class interval is 6 , and interval of temporary is 4. Then, it presents using frequency distribution in the following table:

Table 4.10 Frequency Distribution of the Post-test Score

| Class <br> $(\mathrm{K})$ | Interval (I) | Frequency <br> (F) | Mid <br> Point <br> $(\mathrm{x})$ | The <br> Limitation <br> of each <br> group | Frequency <br> Relative <br> $(\%)$ | Frequency <br> Cumulative <br> $(\%)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $64.1-67.1$ | 3 | 65.6 | $63.6-67.6$ | 12.5 | 100 |
| 2 | $67.2-70.2$ | 2 | 68.7 | $66.7-70.7$ | 8.33 | 87.476 |
| 3 | $70.3-73.3$ | 4 | 71.8 | $69.8-73.8$ | 16.66 | 79.146 |
| 4 | $73.4-76.4$ | 4 | 74.9 | $72.9-76.9$ | 16.66 | 62.486 |
| 5 | $76.5-79.5$ | 5 | 78.2 | $76-83.1$ | 20.83 | 45.826 |
| 6 | $79.6-82.6$ | 3 | 81.1 | $79.1-83.1$ | 12.5 | 24.996 |
| 7 | $82.7-85.7$ | 2 | 84.2 | $82.2-86.2$ | 8.33 | 12.496 |
| 8 | $85.8-88.8$ | 1 | 87.3 | $85.3-89.3$ | 4.166 | 4.166 |
|  |  | $\sum \mathrm{~F}=24$ |  |  | $\sum \mathrm{P}=100$ |  |

The distribution of Students' post test score can also be seen in the following figure:

### 4.3 The Frequency Distribution of Post Test for Experimental group



The table and the figure above show the students' post-test score. There are three students who get score 64.1-67.1 which the percentage is $12,5 \%$. There are two students who get score $67.2-70.2$ which the percentage is $8,3 \%$. There are four students who get score70.3-73.3 which the percentage is $16,6 \%$. There are four students who get score $73.4-76.4$ which the percentage is $16,6 \%$. There are five students who get score $76.5-79.5$ which the percentage is $20,8 \%$. There are threestudents who get score $79.6-82.6$ which the percentage is $12,5 \%$. There are two students who get score $82.7-85.7$ which the percentage is $8,3 \%$. There is one student who gets $85.8-88.8$ which the percentage is $4,16 \%$.

The next step, the writer tabulated the scores into the table for the calculation of mean, Standard deviation, and standard error as follows:

Table 4.11 The Table for Calculating Mean, Standard Deviation, and Standard Error of Post-test Score of the Experimental Group.

| Class <br> (K) | Interval <br> (I) | Frequency <br> (F) | Mid <br> Point <br> (x) | $\mathbf{F x}$ | $\mathbf{X}^{\prime}$ | $\mathbf{F x}^{\prime}$ | Fx'2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $64.1-67.1$ | 3 | 65.6 | 196.8 | 3 | 9 | 27 |
| 2 | $67.2-70.2$ | 2 | 68.7 | 137.4 | 2 | 4 | 8 |
| 3 | $70.3-73.3$ | 4 | 71.8 | 287.2 | 1 | 4 | 4 |
| 4 | $73.4-76.4$ | 4 | 74.9 | 299.6 | 0 | 0 | 0 |
| 5 | $76.5-79.5$ | 5 | 78.2 | 391 | -1 | -5 | 5 |
| 6 | $79.6-82.6$ | 3 | 81.1 | 243.3 | -2 | -6 | 12 |
| 7 | $82.7-85.7$ | 2 | 84.2 | 168.4 | -3 | -6 | 18 |
| 8 | $85.8-88.8$ | 1 | 87.3 | 87.3 | -4 | -4 | 16 |
|  |  | $\sum \mathrm{~F}=24$ |  | $\sum \mathrm{Fx}=1811$ |  | $\sum \mathrm{Fx}^{\prime}=-4$ | $\sum \mathrm{Fx}^{\prime} 2=90$ |

## 1) Calculating Mean

$$
\mathrm{Mx}=\frac{\sum F X_{i}}{n}=\frac{1811}{24}=75.45
$$

2) Standard Deviation

$$
\begin{aligned}
& S D_{1}=\mathrm{i} \sqrt{\frac{\sum f x^{\prime 2}}{N}-\left(\frac{\sum f x^{\prime}}{N}\right)^{2}} \\
& S D_{1}=4 \sqrt{\frac{90}{24}-\left(\frac{-4}{24}\right)^{2}} \\
& S D_{1}=4 \sqrt{3.75-(0.16)^{2}} \\
& S D_{1}=4 \sqrt{3.75-0.0256} \\
& S D=4 \sqrt{3.7244} \\
& S D_{1}=4 \times 1.929870462 \\
& S D_{1}=7.719481
\end{aligned}
$$

## 3) Standard Error

$$
\mathrm{SE}_{\mathrm{md}}=\frac{S D}{\sqrt{n-1}}=\frac{7.7194817}{\sqrt{24-1}}=\frac{7.719481}{\sqrt{23}}=\frac{7.71606}{4.795831}=1,6088
$$

The result calculation show the mean of the post test score of the experimental group is 75.45 , standard deviation of post test score of the experimental group is 7.71606 and the standard error of post test score of the experimental group is1.6088. The next step the writer shows the result calculation of mean, standard deviation and standard error in the following table:

Table 4.12 The Result Calculation Mean, Standard Deviation and standard
Error

| EXPERIMENT GROUP |  |
| :---: | :---: |
| Mean | 75.45 |
| Standard Error | 1.6088 |
| Standard Deviation | 7.71606 |

b. The Result of Post-test Score of Control Group.

Based on the data, the highest score is 80.6 and the lowest score is 45.1 . To determine the range of score, the class interval, and interval of temporary, the writer calculated using formula as follows:

The Highest Score $(H)=80,0$
The Lowest Score (L) $=48,6$
The Range of Score (R) = H-L+1

$$
\begin{aligned}
& =80.6-45.1+1 \\
& =36.5
\end{aligned}
$$

The Class Interval (K) $=1+$ (3.3) $\times \log n$

$$
\begin{aligned}
& =1+(3.3) \times \log 25 \\
& =1+(3.3) \mathrm{X} 1.397940009 \\
& =1+4.6132020 \\
& =5.613202=6
\end{aligned}
$$

Interval of Temporary (I) $=\frac{R}{K}=\frac{36.5}{6}=6.08=6$
So, the range of score is 36.5 , the class interval is 6 , and interval of temporary is 6 . Then, it was presented using frequency distribution in the following table:

Table 4.13 Frequency Distribution of the Post test Score

| Class <br> $(\mathrm{K})$ | Interval <br> $(\mathrm{I})$ | Frequency <br> (F) | Mid <br> Point <br> $(\mathrm{x})$ | The <br> Limitation <br> of each <br> group | Frequency <br> Relative <br> $(\%)$ | Frequency <br> Cumulative <br> $(\%)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $45.1-50.1$ | 3 | 48.1 | $44.6-50.6$ | 12 | 100 |
| 2 | $50.2-55.2$ | 2 | 52.7 | $49.7-55.7$ | 8 | 88 |
| 3 | $55.3-60.3$ | 1 | 57.8 | $54.8-60.8$ | 4 | 80 |
| 4 | $60.4-65.4$ | 9 | 62.9 | $59.9-65.9$ | 36 | 76 |
| 5 | $65.5-70.5$ | 4 | 68 | $65-71$ | 16 | 40 |
| 6 | $70.6-75.6$ | 3 | 73.1 | $70.1-76.1$ | 12 | 24 |
| 7 | $75.7-80.7$ | 3 | 78.2 | $75.2-81.2$ | 12 | 12 |
|  |  | $\sum \mathrm{~F}=25$ |  |  | $\sum \mathrm{p}=100$ |  |

The distribution of students' post-test score can also be seen in the following figure:

### 4.4 The Frequency Distribution of Post Test for Control group



The table and the figure show the students' post test score. There are three students who get score $45.1-50,1$ which the percentage is $12 \%$. There are two students who get score $50.2-55.2$ which the percentage is $8 \%$. There is one student who gets score 55.3-60.3 which the percentage is $4 \%$. There are nine students who get score $60.4-65.4$ which the percentage is $36 \%$. There are four students who get score $65.5-70.5$ which the percentage is $16 \%$. There are threestudents who get score 70.6-75.6 which the percentage is $12 \%$. There are three students who get score75.780.7 which the percentage is $12 \%$.

The next step, the writer tabulated the scores into the table for the calculation of mean, Standard deviation, and standard error as follows:

Table 4.14 The Table for Calculating mean, Standard deviation, and standard error of Post-test Score.

| Class <br> (K) | Interval <br> (I) | Frequency <br> (F) | Mid <br> Point <br> (x) | $\mathbf{F x}$ | $\mathbf{X}^{\prime}$ | $\mathbf{F x}$, | $\mathbf{F x}^{\prime} \mathbf{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $45.1-50.1$ | 3 | 48.1 | 144.3 | 3 | 9 | 27 |
| 2 | $50.2-55.2$ | 2 | 52.7 | 105.4 | 2 | 4 | 8 |
| 3 | $55.3-60.3$ | 1 | 57.8 | 57.8 | 1 | 1 | 1 |
| 4 | $60.4-65.4$ | 9 | 62.9 | 566.1 | 0 | 0 | 0 |
| 5 | $65.5-70.5$ | 4 | 68 | 272 | -1 | -4 | 4 |
| 6 | $70.6-75.6$ | 3 | 73.1 | 219.3 | -2 | -6 | 12 |
| 7 | $75.7-80.7$ | 3 | 78.2 | 234.6 | -3 | -9 | 27 |
|  |  | $\sum \mathrm{~F}=25$ |  | $\sum \mathrm{Fx}=1599.5$ |  | $\sum \mathrm{Fx}^{\prime}=-5$ | $\sum \mathrm{Fx}^{\prime} 2=79$ |

1) Calculating Mean

$$
\mathrm{Mx}=\frac{\sum F X i}{N}=\frac{1599.5}{25}=63.98
$$

## 2) Standard Deviation

$$
\begin{aligned}
& S D_{1}=\mathrm{i} \sqrt{\frac{\sum f x^{\prime 2}}{N}-\left(\frac{\sum f x^{\prime}}{N}\right)^{2}} \\
& S D_{1}=6 \sqrt{\frac{79}{25}-\left(\frac{-5}{25}\right)^{2}} \\
& S D_{1}=6 \sqrt{3.16-(0.2)^{2}} \\
& S D_{1}=6 \sqrt{3.16-0,04} \\
& S D_{1}=6 \sqrt{3.12}
\end{aligned}
$$

$$
S D_{1}=6 \times 1.766352173
$$

$$
S D_{1}=10.59811
$$

## 3) Standard Error

$$
\mathrm{SEM}_{\mathrm{D}}=\frac{s}{\sqrt{N-1}}=\frac{10.59811}{\sqrt{25-1}}=\frac{10.59811}{\sqrt{24}}=\frac{10.59811}{4.89897}=2.1633
$$

The result calculation show the mean of the post test score of the control group is 63.98, standard deviation of post test score of control group is 10.59811 and the standard error of post test score of control group is 2.1633 . The next step the writer shows the result calculation of mean, standard deviation and standard error in the following table:

Table 4.15 The Result Calculation Mean, Standard Deviation and standard Error

| CONTROL GROUP |  |
| :---: | :---: |
| Mean | 63.98 |
| Standard Error | 2.1633 |
| Standard Deviation | 10.59811 |

## B. Testing of Normality and Homogeneity

## 1. Normality Test

It used to know the normality of the data that is going to be analyzed whether both groups have normal distribution or not.
a. Testing normality of pre test experimental and control group

Table 4.16

## Testing Normality of Pre Test Experimental and Control Group

One-Sample Kolmogorov-Smirnov Test

|  |  | experiment | Control |
| :--- | :--- | :--- | :--- |
| N |  | 24 | 25 |
|  |  | Mean | 59.358 |
| Normal Parameters ${ }^{\text {a,b }}$ | Std. | 59.044 |  |
|  |  | Deviation |  |
|  |  |  |  |
| Most | Extreme | Absolute | .109 |
| Differences |  | Positive | .079 |
|  | Negative | -.109 | .139 |
| Kolmogorov-Smirnov Z |  | .533 | -.114 |
| Asymp. Sig. (2-tailed) |  | .938 |  |

a. Test distribution is Normal.
b. Calculated from data.

The table shows the result of test normality calculation using SPSS.21.0 program. The next step, the writer analyzed normality of data used formula as follows:

If Significance> $0.05=$ data is normal distribution
If Significance $<0.05=$ data is not normal distribution
Based on the table above, P value (Sig.) of the pre test scores of the experiment class is 0.938 and control class is 0,721 which higher than the level significance (0.05). Thus, it can be concluded that the data is normal distribution.

Table 4.17
Testing Normality of Post Test Experimental and Control Group
One-Sample Kolmogorov-Smirnov Test

|  | experimen $\mathrm{t}$ | Control |
| :---: | :---: | :---: |
| N | 24 | 25 |
| Mean | 74.679 | 63.684 |
| Normal Parameters ${ }^{\text {a,b }}$ Std. | 6.3489 | 9.3785 |
| Deviation |  |  |
| Most Extreme Absolute | . 124 | . 156 |
| Most Extreme Positive | . 099 | . 094 |
| Differences Negative | -. 124 | -. 156 |
| Kolmogorov-Smirnov Z | . 608 | . 778 |
| Asymp. Sig. (2-tailed) | . 853 | . 581 |

a. Test distribution is Normal.
b. Calculated from data.

The table shows the result of test normality calculation using SPSS.21.0 program. The next step, the writer analyzed normality of data used formula as follows:

If Significance> $0.05=$ data is normal distribution
If Significance $<0.05=$ data is not normal distribution
Based on the table above, P value (Sig.) of the post test scores of the experiment class is 0,853 and control class is 0,581 which higher than the level significance (0.05).Thus, it can be concluded that the data is normal distribution.

## 2. Homogeneity Test

a. Testing Homogeneity of pre Test Experimental and Control Group.

Table 4.18
Testing Homogeneity of pre Test Experimental and Control Group.

## Test of Homogeneity of Variances

VAR00002

| Levene Statistic | df1 | df2 | Sig. |
| :--- | :--- | :--- | :--- |
| 2.384 | 1 | 47 | .129 |

The table shows the result of homogeneity test calculation using SPSS 21.0 program. To know the homogeneity of data, the formula can be seen as follows:

If Sig.> 0.05= equal variances assumed or homogeny distribution
If Sig. $<0.05=$ equal variances not assumed or not homogeny distribution
Based on the data above, significant data is 0.129 . The result is $0.129>0.05$, it meant that the result of pre test of experimental and control group were homogenous.
b. Testing Homogeneity of Post Test Experimental and Control Group.

Table 4.19
Testing Homogeneity of post Test Experimental and Control Group.

Test of Homogeneity of Variances
VAR00002

| Levene Statistic | df1 | df2 | Sig. |
| ---: | ---: | ---: | :--- |
| .065 |  | 1 |  |

The table shows the result of homogeneity test calculation using SPSS 21.0 program. To know the homogeneity of data, the formula could be seen as follows:

If Sig.> 0.05= equal variances assumed or homogeny distribution
If Sig. $<0.05=$ equal variances not assumed or not homogeny distribution
Based on the data above, significant data is 0.799 . The result is $0.799>0.05$, it meant that the result of post test of experimental and control group were homogenous.

## C. The Result of Data Analysis

## 1. Testing Hypothesis Using SPSS 21.0 Program

The writer applied SPSS 21.0 Program to calculate t-test in testing hypothesis of the study. The result of t-test using SPSS 21.0 is used to support the manual calculation of $t$-test. The result of $t$-test using SPSS 21.0 program can be seen as follows:

Table 4.20
The calculation of T-Test Using SPSS 21.0
Independent Samples Test


The table shows the result of t -test calculation using SPSS 21.0 Program. To
know the variances score of data, the formula could be seen as follows:
If Sig. > 0.05= equal variances assumed
If Sig. $<0.05=$ equal variances not assumed

Based on the data above, significant data is 0.129 . The result is $0.129>0.05$,it meant the $t$-test calculation used at the equal variances assumed. The result of $t_{\text {observed }}$ is 4.786 , the result of mean difference between experiment and control group is 10.9952, and the standard error difference between experiment and control group is 2.2976.

The result of $t$-test is interpreted on the result of degree of freedom to get the $t$ table. The result of degree of freedom is 47 . The following table is the result of $t$ observed and t table from 47 df at $5 \%$ and $1 \%$ significance level.

Table 4.21 The Result of T-test Using SPSS 21.0 Program

| t observe | t table |  | DF |
| :---: | :---: | :---: | :---: |
|  | $\mathbf{5 \%}$ | $\mathbf{1 \%}$ |  |
| 4.786 | 2.021 | 2.704 | 47 |

## 2. Testing Hypothesis Using Manual Calculation

To test the hypothesis of the study, the writer used t -test statistical calculation. Firstly, the writer calculated the standard deviation and the standard error of $\mathrm{X}_{1}$ and $\mathrm{X}_{2}$.It was found the standard deviation and the standard error of post test of $\mathrm{X}_{1}$ and $\mathrm{X}_{2}$ at the previous data presentation. It can be seen in the following table:

Table 4.22 The Standard Deviation and the Standard Error of $\mathbf{X}_{1}$ and $\mathbf{X}_{\mathbf{2}}$

| Variable | The Standard Deviation | The Standard Error |
| :---: | :---: | :---: |
| $\mathbf{X}_{\mathbf{1}}$ | 7.716 | 1.608 |
| $\mathbf{X}_{\mathbf{2}}$ | 10.598 | 2.163 |

Where:

$$
\begin{aligned}
& X_{1}=\text { Experimental Group } \\
& X_{2}=\text { Control Group }
\end{aligned}
$$

The table shows the result of the standard deviation calculation of $\mathrm{X}_{1}$ is 7.716 and the result of the standard error mean calculation is 1.608 . The result of the standard deviation calculation of $\mathrm{X}_{2}$ is 10.598 and the result of the standard error mean calculation is 2.163

The next step, the writer calculated the standard error of the differences mean between $\mathrm{X}_{1}$ and $\mathrm{X}_{2}$ as follows:

Standard Error of Mean of Score Difference between Variable I and Variable II:

$$
\begin{aligned}
& \mathrm{SE}_{\mathrm{M} 1}-\mathrm{SE}_{\mathrm{M} 2}={\sqrt{S E m 1^{2}+\text { SEm } 2^{2}}}^{\mathrm{SE}_{\mathrm{M} 1}-\mathrm{SE}_{\mathrm{M} 2}=\sqrt{1.608^{2}+2.163^{2}}} \\
& \mathrm{SE}_{\mathrm{M} 1}-\mathrm{SE}_{\mathrm{M} 2}=\sqrt{2.585664+4.678569}
\end{aligned}
$$

$$
\begin{aligned}
& \mathrm{SE}_{\mathrm{M} 1}-\mathrm{SE}_{\mathrm{M} 2}=\sqrt{7.264233} \\
& \mathrm{SE}_{\mathrm{M} 1}-\mathrm{SE}_{\mathrm{M} 2}=2.695224109
\end{aligned}
$$

Then, it was inserted to the formula to get the value of $t$ observe as
follows:

$$
\begin{aligned}
& t_{o}=\frac{M_{1}-M_{2}}{S E_{M 1}-S E_{M 2}} \\
& t_{o}=\frac{75.45-63.98}{2.695224109} \\
& t_{o}=\frac{11.47}{2.695224109} \\
& t_{o_{o}}=4.255
\end{aligned}
$$

With the criteria:

If $t$-test $(t$-observed $) \geq t_{\text {table }}$, it means Ha is accepted and Ho is rejected.

If t -test $\left(\mathrm{t}\right.$-observed) $<\mathrm{t}_{\text {table }}$, it means Ha is rejected and Ho is accepted.

Then, the writer interpreted the result of $t$ - test. Previously, the writer accounted the degree of freedom (df) with the formula:

$$
\begin{aligned}
\mathrm{df} & =\left(N_{1}+N_{2}-2\right) \\
& =24+25-2
\end{aligned}
$$

$$
=47
$$

$t_{\text {table }}$ atdf 47 at $5 \%$ significant level $=2.021$
The calculation above show the result of t -test calculation as in the table follows:

Table 4.23 the Result of T-test Using Manual Calculation

| t observe | t table |  | DF |
| :---: | :---: | :---: | :---: |
|  | $\mathbf{5 \%}$ | $\mathbf{1 \%}$ |  |
| 4.255 | 2.021 | 2.704 | 47 |

Where:

$$
\begin{array}{ll}
\mathrm{X}_{1} & =\text { Experimental Group } \\
\mathrm{X}_{2} & =\text { Control Group } \\
\mathrm{t} \text { observe } & =\text { The calculated Value } \\
\mathrm{t} \text { table } & =\text { The distribution of } \mathrm{t} \text { value } \\
\mathrm{df} & =\text { Degree of Freedom }
\end{array}
$$

## a. Interpretation

Based on the result of hypothesis test with manual calculation, the value of $\mathrm{t}_{\text {observed }}$ is higher than the value of $\mathrm{t}_{\mathrm{able}}$ at $1 \%$ and $5 \%$ significance level or $2.021<4.255>2.704$, and the result of $t$-test using SPSS 21.0 Program, the $t_{\text {observed }}$ is higher than $\mathrm{t}_{\text {table }}$ at $5 \%$ and $1 \%$ significance level or $4.786>2.021,4.786>2.704$. it can be interpreted that alternative hypothesis $\left(\mathrm{H}_{\mathrm{a}}\right)$ statingThere is Effect of Two Stay Two Stray Technique on Reading Comprehension of the Eighth Grade Students of Mts.Islamiyah Palangkaraya is accepted. Null hypothesis(HO) stating that There is no Effect of Two Stay Two Stray Technique on Reading Comprehension of the Eighth Grade Students of MTs.Islamiyah Palangkaraya is rejected.

## D. Discussion

The result of analysis shows that there is effect of Two Stay Two Stray Technique on Reading Comprehension of the Eighth Grade Students of Mts.Islamiyah Palangkaraya. The students who were taught used Two Stay Two Stray Technique reached higher score than the students who were taught without used Two Stay Two Stray Technique with 74.67 and 63.68.Moreover, the students’ reading comprehension level also increase of percentage of number of students pre test and post test of the experimental group who can answer inferential comprehension from $51,21 \%$ to $73.27 \%$ and the increased of percentage of number of students pre test and post test of the experimental group who can answer literal comprehension from $63,25 \%$ to $75,55 \%$. It means that Two Stay Two Stray technique gives effect of literal comprehension which literal comprehension is higher than inferential comprehension.

Meanwhile, the result of $t$ test using manual calculation of $t_{\text {test. }}$ The $t_{\text {observed }}$ is higher than $\mathrm{t}_{\text {table }}$ at $5 \%$ and $1 \%$ significance level or $4.255>2.021,4.255>2.704$, it meant Ha was accepted and Ho was rejected. And the data calculated using SPSS 21.0 Program; the $\mathrm{t}_{\text {observed }}$ is higher than $\mathrm{t}_{\text {table }}$ at $5 \%$ and $1 \%$ significance level or 4.786>2.021, 4.786> 2.704. It meant Ha was accepted and Ho was rejected. This finding indicates that the alternative hypothesis (Ha) stating that there is effect of Two Stay Two Stray Technique on Reading Comprehension of the Eighth Grade Students of Mts.Islamiyah Palangkarayais accepted. The Null hypothesis (Ho) stating that there is noeffect of Two Stay Two Stray Technique on Reading Comprehension
of the Eighth Grade Students of Mts.Islamiyah Palangkaraya is rejected. Based on the result the data analysis shows that using Two Stay Two Stray technique give effect on reading comprehension of the Eighth Grade Students of Mts.Islamiyah Palangkaraya. It gives effect on reading comprehension because this technique makes the students try to find the information of the text with their selves which make them active in the class. Although, the students the students taught without using Two Stay Two Stray technique make them to be passive because they only acquire the information of the text from the teacher not to find with their selves which make the class to be bored.

After the students have been taught by using Two Stay Two Stray technique, the reading scores are higher than before implementing Two Stay Two Stray technique, as a learning technique. It can be seen in the comparison of pre test and post test score of experimental group and control group. This finding indicates that Two Stay Two Stray technique is effective for teaching reading comprehension. It supports the previous research done by DesrinaErlita and August Lewaherilla also stated teaching reading by using Two Stay Two Stray technique is effective. Based on DesrinaErlita's Finding that Two Stay Two Stray technique better improve the students' reading comprehension of recount text and there are some factors that influence the changes of students' reading comprehension of recount text such as
teaching material, classroom management, interesting technique and background knowledge of students. ${ }^{82}$

The reasons of Two Stay Two Stray technique can improve students' reading score because this technique made the class became active which the have a students' main role in the class and they ask to other groups to find the information of text that make them to be more active in the class. The students learn from another group, there is an interaction between the students which the students try to solve the problems and the activities when they shared the information made the class fun not to be bored. It supports with research finding by August lewaherilla, the result showed that Two Stay Two Straytechnique can improve students reading competence. The improvement can also be seen from their result of post test. The average of score increased to 64,62 in the post test 1 and 72,78 in post test 2 .The students became more activeand enthusiastic in the learning process. They were brave to give opinion using English. Besides, the class became active and alive. It stimulates students to be responsible and active. ${ }^{83}$

[^0]
[^0]:    ${ }^{82}$ DesrinaErlita,Improving Students' Reading Comprehensionof Recount text Through Two Stay Two Stray Technique at Grade VIII of SMPN 2 TilatangKamangAgam, Journal English Language Teaching (ELT) Volum.1,No.2.2013
    ${ }^{83}$ August Lewaherilla,Improving Students Reading Comprehension Through Two Stay Two Stray Technique of SMP YPPK Biak In Academic Year 2010/2011.

