## CHAPTER IV

## RESULT AND DISCUSSION

## A. Description of The Data

This chapter presents the results of data analysis which concerned with the effectiveness of using scaffolding technique in teaching writing on descriptive text at seventh grade of MTs MII Cidangiang Pandeglang. The researcher divided them into two classes, 25 students from VII A as experimental class, and 25 students from VII C as control class. The tests were divided into two types; pre-test and post-test. The tests conducted to get the data on students' writing descriptive text skill.

To find out the effectiveness of using scaffolding technique, the researcher identified some result, they are: the score of student before treatment, and the score of student after treatment. After collecting the data, the researcher calculated and analyzed them.

To get the data, the researcher uses test as instrument. The researcher gave the test to students as the sample both at the experimental class and at control class. The test used in this research divided into two types, there are pre-test and post-test, the pre-test is the test that is given before treatment, and the post-test is given after treatment.

The maximum score of contents/ ideas was 30 , the maximum score of organization was 20 , the maximum score of vocabulary was 20 , the maximum score of language use was 25 , and the maximum score of mechanic was 5 . The highest total
score of all criteria as 100 , and the lowest score of all criteria was 34 . The researcher describes the data at experimental and control class as bellow:

## 1. Experimental Class

The researcher describes the result of pre-test in the experimental class by the table as follow:

Table 4.1
The Students' score of pre-test at the experimental class

| No | Respondents | CRITERIA |  |  |  |  | Score |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { 右 } \\ & \text { U } \end{aligned}$ |  |  |  |  |  |
| 1 | ATB | 21 | 13 | 11 | 13 | 3 | 61 |
| 2 | DA | 18 | 13 | 12 | 10 | 2 | 55 |
| 3 | ESL | 23 | 14 | 15 | 13 | 3 | 68 |
| 4 | EW | 15 | 10 | 10 | 9 | 2 | 46 |
| 5 | FI | 20 | 15 | 14 | 15 | 3 | 67 |
| 6 | FA | 19 | 15 | 17 | 17 | 3 | 71 |
| 7 | FF | 23 | 15 | 14 | 13 | 3 | 68 |
| 8 | FN | 13 | 7 | 7 | 5 | 2 | 34 |
| 9 | KS | 16 | 15 | 14 | 17 | 3 | 65 |
| 10 | MNR | 15 | 10 | 13 | 14 | 2 | 54 |
| 11 | MS | 14 | 9 | 8 | 7 | 2 | 40 |
| 12 | MAN | 20 | 15 | 17 | 15 | 3 | 70 |
| 13 | MZ | 13 | 7 | 7 | 5 | 2 | 34 |
| 14 | NF | 16 | 16 | 14 | 15 | 2 | 63 |
| 15 | NJ | 16 | 11 | 10 | 10 | 2 | 49 |
| 16 | NQ | 23 | 18 | 17 | 19 | 3 | 80 |


| 17 | RA | 17 | 10 | 15 | 17 | 2 | 61 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18 | SSP | 23 | 14 | 14 | 13 | 3 | 67 |
| 19 | SA | 17 | 15 | 18 | 15 | 3 | 68 |
| 20 | SNA | 23 | 16 | 17 | 19 | 3 | 78 |
| 21 | SNM | 15 | 14 | 13 | 13 | 2 | 57 |
| 22 | SS | 25 | 16 | 15 | 13 | 3 | 72 |
| 23 | SKN | 17 | 15 | 15 | 16 | 3 | 66 |
| 24 | TBZ | 14 | 7 | 7 | 5 | 2 | 35 |
| 25 | WNY | 20 | 14 | 12 | 13 | 3 | 62 |
| N $=25$ | Total Score |  |  |  |  | 1491 |  |
|  | Average |  |  |  |  |  | 59.64 |

Mean of Pre-test:
$\mathrm{X}=\frac{\sum \mathrm{X}}{\mathrm{N}}=\frac{1491}{25}=59.54$ (the mean of pre-test experimental class is 59.64)

From the Table 4.1 above, it showed that the result of the students' pre-test scores on the criteria in writing on descriptive text at the experimental class. The data showed that the maximum score was 80 and the minimum score was 34 . One student who got the maximum and two students who got the minimum score. The average score of the pre-test was 59.64. While the result of a post-test score at the experimental class got better. It can be described as follow:

Table 4.2
The Students' score of post-test at the experimental class

| No | Respondents | CRITERIA |  |  |  |  | Score |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{aligned} & \text { E } \\ & \text { E } \\ & \text { N } \\ & \text { N } \\ & \text { Hon } \\ & 0 \end{aligned}$ |  |  |  |  |
| 1 | ATB | 24 | 17 | 17 | 16 | 4 | 78 |
| 2 | DA | 19 | 13 | 14 | 14 | 3 | 63 |
| 3 | ESL | 25 | 20 | 20 | 17 | 4 | 86 |
| 4 | EW | 19 | 13 | 15 | 14 | 3 | 64 |
| 5 | FI | 23 | 18 | 15 | 15 | 3 | 74 |
| 6 | FA | 25 | 18 | 17 | 17 | 4 | 81 |
| 7 | FF | 22 | 15 | 17 | 17 | 3 | 74 |
| 8 | FN | 18 | 16 | 14 | 14 | 3 | 65 |
| 9 | KS | 19 | 16 | 17 | 15 | 3 | 70 |
| 10 | MNR | 20 | 17 | 15 | 11 | 3 | 66 |
| 11 | MS | 17 | 11 | 10 | 10 | 2 | 50 |
| 12 | MAN | 26 | 19 | 20 | 16 | 3 | 84 |
| 13 | MZ | 19 | 17 | 15 | 16 | 3 | 70 |
| 14 | NF | 24 | 19 | 18 | 20 | 3 | 83 |
| 15 | NJ | 22 | 18 | 17 | 17 | 4 | 78 |
| 16 | NQ | 25 | 19 | 18 | 20 | 4 | 86 |
| 17 | RA | 19 | 17 | 16 | 17 | 3 | 72 |
| 18 | SSP | 19 | 18 | 18 | 17 | 3 | 75 |
| 19 | SA | 25 | 19 | 19 | 17 | 4 | 84 |
| 20 | SNA | 26 | 19 | 20 | 17 | 4 | 86 |
| 21 | SNM | 19 | 16 | 17 | 15 | 3 | 70 |
| 22 | SS | 24 | 20 | 19 | 23 | 4 | 90 |


| 23 | SKN | 22 | 17 | 17 | 16 | 3 | 75 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 | TBZ | 19 | 17 | 15 | 16 | 3 | 70 |
| 25 | WNY | 25 | 18 | 17 | 18 | 4 | 82 |
| N 25 | Total Score |  |  |  |  | 1876 |  |
|  | Average |  |  |  |  | 75.04 |  |

Mean of Post-test:
$\mathrm{X}=\frac{\sum \mathrm{X}}{\mathrm{N}}=\frac{1876}{25}=75.04$ (the mean of post-test experimental class is 75.04)

From the table 4.2, it showed that the results of the students' post-test scores on the criteria of writing descriptive text at the experimental class. The data showed that the maximum score was 90 , and the minimum score was 50 .

Based on the explanation above, it showed the result of post-test at the experimental class got the significant improvement after giving treatment, it is seen from the average of the post-test was better than the average of the pre-test, that $59.64<75.04$.

To know the result of the test, the researcher makes the table of the students' score for each variable as follow:

Table 4.3
Data from Pre-test and Post-test of Experiment Class

| No | Respondent | Pre-test | Post-test |
| :---: | :---: | :---: | :---: |
| 1 |  |  |  |
| 2 | ATB | 61 | 78 |
| 3 | DA | 55 | 63 |
| 4 | ESL | 68 | 86 |
| 5 | FI | 46 | 64 |
| 6 | FA | 71 | 74 |
| 7 | FF | 68 | 81 |
| 8 | FN | 34 | 65 |
| 9 | KS | 65 | 70 |
| 10 | MNR | 54 | 66 |
| 11 | MS | 40 | 50 |
| 12 | MAN | 70 | 84 |
| 13 | MZ | 34 | 70 |
| 14 | NF | 63 | 82 |
| 15 | NJ | 49 | 78 |
| 16 | NQ | 80 | 86 |
| 17 | RA | 61 | 72 |
| 18 | SSP | 67 | 75 |
| 19 | SA | 68 | 84 |
| 20 | SNA | 78 | 86 |
| 21 | SNM | 57 | 70 |
| 22 | SS | 72 | 90 |
| 23 | SKN | 66 | 75 |
| 24 | TBZ | 35 | 70 |
| 25 | WNY | 62 | 82 |
| N $=$ | TOTAL | $\sum X=1491$ | $\sum X=1876$ |
|  | AVERAGE | M $=59.64$ | M $=75.04$ |
|  |  |  |  |

From the table 4.3, it showed the difference result of pre-test and post-test at the experimental class. It got the significant improvement after giving treatment using scaffolding technique, it was seen from the average of the post-test better than pre-test $59.64<75.04$.

## 2. Control Class

The researcher describes the result of a pre-test in the control class by the table as follow:

Table 4.4
The Students' score of pre-test at the control class

| No | Respondents | CRITERIA |  |  |  |  | Score |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | تِ |  |  |  |  |  |
| 1 | AN | 23 | 12 | 13 | 18 | 3 | 69 |
| 2 | AUT | 16 | 13 | 10 | 11 | 3 | 53 |
| 3 | AMH | 15 | 10 | 14 | 12 | 3 | 54 |
| 4 | DN | 16 | 10 | 10 | 13 | 3 | 52 |
| 5 | FNA | 16 | 13 | 14 | 10 | 3 | 56 |
| 6 | IF | 14 | 7 | 8 | 8 | 2 | 39 |
| 7 | KD | 13 | 7 | 7 | 5 | 2 | 34 |
| 8 | LS | 15 | 14 | 13 | 10 | 4 | 56 |
| 9 | MEFR | 13 | 7 | 7 | 5 | 2 | 34 |
| 10 | MTAH | 25 | 16 | 16 | 18 | 3 | 78 |
| 11 | MHR | 15 | 10 | 13 | 10 | 3 | 51 |


| 12 | RA | 16 | 10 | 10 | 13 | 3 | 52 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 | RM | 13 | 7 | 8 | 5 | 2 | 35 |
| 14 | RPM | 14 | 8 | 7 | 5 | 2 | 36 |
| 15 | RPG | 13 | 10 | 7 | 5 | 2 | 37 |
| 16 | RP | 17 | 12 | 10 | 13 | 3 | 55 |
| 17 | RAR | 18 | 13 | 14 | 15 | 3 | 63 |
| 18 | RDC | 14 | 10 | 8 | 8 | 2 | 42 |
| 19 | SA | 14 | 8 | 8 | 7 | 2 | 39 |
| 20 | SRM | 15 | 13 | 14 | 15 | 3 | 60 |
| 21 | SSR | 15 | 13 | 11 | 12 | 3 | 54 |
| 22 | SKD | 16 | 10 | 10 | 11 | 3 | 50 |
| 23 | SNK | 13 | 7 | 7 | 5 | 2 | 34 |
| 24 | UD | 20 | 15 | 13 | 13 | 3 | 64 |
| 25 | YS | 21 | 13 | 10 | 14 | 4 | 62 |
| $\mathrm{~N}=25$ |  | Total Score |  |  |  |  | 1259 |
|  |  | Average |  |  |  |  | 50.36 |

Mean of Pre-test:
$\mathrm{X}=\frac{\sum \mathrm{X}}{\mathrm{N}}=\frac{1259}{25}=50.28$ (the mean of pre-test control
class is 50.36 )
From the Table 4.4, it showed that the results of the students' pre-test scores on the criteria in writing descriptive text at the control class. That the data showed the maximum score was 78 , and the minimum score was 34 . One student who got the maximum score and three students who got the minimum score. The average of score of the pre-test was
50.36. While the result of a post-test at the control class got better score. It can be described by table bellow:

Table 4.5
The Students' score of post-test at the control class

| No | Respondents | CRITERIA |  |  |  |  | Score |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { E } \\ & \text { E } \\ & 0 \\ & 0 \end{aligned}$ |  |  |  |  |  |
| 1 | AN | 24 | 15 | 14 | 18 | 4 | 75 |
| 2 | AUT | 25 | 16 | 15 | 18 | 4 | 78 |
| 3 | AMH | 16 | 15 | 13 | 15 | 3 | 62 |
| 4 | DN | 17 | 11 | 12 | 15 | 3 | 58 |
| 5 | FNA | 22 | 16 | 15 | 13 | 4 | 70 |
| 6 | IF | 15 | 15 | 10 | 11 | 3 | 54 |
| 7 | KD | 15 | 11 | 10 | 11 | 3 | 50 |
| 8 | LS | 17 | 15 | 13 | 15 | 3 | 63 |
| 9 | MEFR | 15 | 7 | 10 | 6 | 2 | 40 |
| 10 | MTAH | 27 | 18 | 15 | 18 | 4 | 82 |
| 11 | MHR | 25 | 15 | 14 | 18 | 4 | 76 |
| 12 | RA | 20 | 13 | 14 | 15 | 3 | 65 |
| 13 | RM | 15 | 15 | 11 | 14 | 3 | 58 |
| 14 | RPM | 17 | 12 | 11 | 14 | 3 | 57 |
| 15 | RPG | 20 | 15 | 13 | 18 | 3 | 69 |
| 16 | RP | 20 | 14 | 12 | 15 | 3 | 64 |
| 17 | RAR | 23 | 16 | 15 | 14 | 4 | 72 |
| 18 | RDC | 15 | 11 | 10 | 10 | 2 | 48 |
| 19 | SA | 14 | 10 | 9 | 12 | 2 | 47 |


| 20 | SRM | 20 | 14 | 13 | 15 | 3 | 65 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21 | SSR | 16 | 13 | 12 | 14 | 3 | 60 |
| 22 | SKD | 17 | 12 | 11 | 15 | 3 | 58 |
| 23 | SNK | 14 | 10 | 8 | 10 | 2 | 44 |
| 24 | UD | 27 | 18 | 18 | 18 | 4 | 85 |
| 25 | YS | 25 | 16 | 15 | 18 | 4 | 78 |
| $\mathrm{~N}=25$ | Total Score |  |  |  |  | 1578 |  |
|  | Average |  |  |  |  | 63.12 |  |

Mean of Post-test:
$\mathrm{X}=\frac{\sum \mathrm{X}}{\mathrm{N}}=\frac{1578}{25}=63.12$ (the mean of post-test control class is 63.12)

From the Table 4.4, it showed that the results of the students' post-test scores on the criteria in writing descriptive text at the control class. That the data showed the maximum score was 85 and the minimum score was 40 . One student who got the maximum score and one student who got the minimum score. The average score of the post-test was 63.12 .

Based on the explanation above, it showed that the result of post-test at the control class got the significant improvement after giving treatment without using scaffolding technique. It is seen from the average of the post-test got better than the pretest, that $50.28<63.12$.

To know the result of the test, the researcher makes the table of the students' score for each variable as follow:

Table 4.6
Data from Pre-test and Post-test of Control Class

| No | Respondent | Pre-test | Post-test |
| :---: | :---: | :---: | :---: |
| 1 | AN | 69 | 75 |
| 2 | AUT | 53 | 78 |
| 3 | AMH | 54 | 62 |
| 4 | DN | 52 | 58 |
| 5 | FNA | 56 | 70 |
| 6 | IF | 39 | 54 |
| 7 | KD | 34 | 50 |
| 8 | LS | 56 | 63 |
| 9 | MEFR | 34 | 40 |
| 10 | MTAH | 78 | 82 |
| 11 | MHR | 51 | 76 |
| 12 | RA | 52 | 65 |
| 13 | RM | 35 | 58 |
| 14 | RPM | 36 | 57 |
| 15 | RPG | 37 | 69 |
| 16 | RP | 55 | 64 |
| 17 | RAR | 63 | 72 |
| 18 | RDC | 42 | 48 |
| 19 | SA | 39 | 47 |
| 20 | SRM | 60 | 65 |
| 21 | SSR | 54 | 60 |
| 22 | SKD | 50 | 58 |
| 23 | SNK | 34 | 44 |
| 24 | UD | 64 | 85 |
| 25 | YS | 62 | 78 |
|  | TOTAL | $\sum X=1259$ | $\sum X=15$ |
| $25$ | AVERAGE | $\mathrm{M}=50.36$ | $\begin{gathered} \mathrm{M}= \\ 63.12 \end{gathered}$ |

From the table 4.6, it showed the difference result of pre-test and post-test at the control class got the significant improvement, it was seen from the average of the post-test got better than the pre-test $50.36<63.12$.

## B. Analysis of The Data

## 1. Experimental Class

The researcher analysis the data by comparing students' score in pre-test and post-test in the experimental class. The students' improvement score caused the researcher used scaffolding technique in teaching writing on descriptive text. It seen from the students improvement score, it means that used scaffolding technique was success in improving students' writing skill. The researcher describes the students' improvement score of pre-test and post-test at the experimental class by the table below:

Table 4.7
The difference score between pre-test and post-test result of experimental class

| No | Respondent | Pre-test $\left(X_{1}\right)$ | Post-test $\left(X_{2}\right)$ | Difference <br> $\left(X_{2}-X_{1}\right)$ |
| :---: | :---: | :---: | :---: | :---: |
| 1 | ATB | 61 | 78 | 17 |
| 2 | DA | 55 | 63 | 8 |
| 3 | ESL | 68 | 86 | 18 |


| 4 | EW | 46 | 64 | 18 |
| :---: | :---: | :---: | :---: | :---: |
| 5 | FI | 67 | 74 | 7 |
| 6 | FA | 71 | 81 | 10 |
| 7 | FF | 68 | 74 | 6 |
| 8 | FN | 34 | 65 | 31 |
| 9 | KS | 65 | 70 | 5 |
| 10 | MNR | 54 | 66 | 12 |
| 11 | MS | 40 | 50 | 10 |
| 12 | MAN | 70 | 84 | 14 |
| 13 | MZ | 34 | 70 | 36 |
| 14 | NF | 63 | 83 | 20 |
| 15 | NJ | 49 | 78 | 29 |
| 16 | NQ | 80 | 86 | 6 |
| 17 | RA | 61 | 72 | 11 |
| 18 | SSP | 67 | 75 | 8 |
| 19 | SA | 68 | 84 | 16 |
| 20 | SNA | 78 | 86 | 8 |
| 21 | SNM | 57 | 70 | 13 |
| 22 | SS | 72 | 90 | 18 |
| 23 | SKN | 66 | 75 | 9 |
| 24 | TBZ | 35 | 70 | 35 |
| 25 | WNY | 62 | 82 | 20 |
| $\mathrm{N}=25$ | TOTAL | $\sum X=1491$ | $\sum X=1876$ |  |
|  | AVERAGE | $\mathrm{M}=59.64$ | $\mathrm{M}=75.04$ | $\sum=385$ |

From the table 4.7 above, it showed that there was difference score between pre-test and post-test at the experimental class. The difference score was the result from the post-test scores reduced pre-test score. There was significant difference score between pre-test and post-test at the
experimental class by the higgest score was 36 and the lowest was 5 . The graphic describes the table as follow:

## Graphic 4.1

The difference score between pre-test and post-test of experimental class


From graphic 4.1 above, it showed the results of the students' pre-test and post-test scores on the criteria of writing in the experimental class. Data showed that the maximum score in pre-test was 80 and the minimum score was 34 . While in post-test the maximum score was 90 and the minimum score was 50 .

## 2. Control Class

The researcher analysis the data by comparing students' score in pre-test and post-test at the control class. This result describes by the table below:

Table 4.8
The difference score between pre-test and post-test result of control class

| No | Respondent | Pre-test ( $X_{1}$ ) | Post-test ( $X_{2}$ ) | Difference $\left(X_{2}-X_{1}\right)$ |
| :---: | :---: | :---: | :---: | :---: |
| 1 | AN | 69 | 75 | 6 |
| 2 | AUT | 53 | 78 | 25 |
| 3 | AMH | 54 | 62 | 8 |
| 4 | DN | 52 | 58 | 6 |
| 5 | FNA | 56 | 70 | 14 |
| 6 | IF | 39 | 54 | 15 |
| 7 | KD | 34 | 50 | 16 |
| 8 | LS | 56 | 63 | 7 |
| 9 | MEFR | 34 | 40 | 6 |
| 10 | MTAH | 78 | 82 | 4 |
| 11 | MHR | 51 | 76 | 25 |
| 12 | RA | 52 | 65 | 13 |
| 13 | RM | 35 | 58 | 23 |
| 14 | RPM | 36 | 57 | 21 |
| 15 | RPG | 37 | 69 | 32 |
| 16 | RP | 55 | 64 | 9 |
| 17 | RAR | 63 | 72 | 9 |
| 18 | RDC | 42 | 48 | 6 |
| 19 | SA | 39 | 47 | 8 |
| 20 | SRM | 60 | 65 | 5 |
| 21 | SSR | 54 | 60 | 6 |
| 22 | SKD | 50 | 58 | 8 |
| 23 | SNK | 34 | 44 | 10 |


| 24 | UD | 64 | 85 | 21 |
| :---: | :---: | :---: | :---: | :---: |
| 25 | YS | 62 | 78 | 16 |
| $\mathrm{~N}=25$ | TOTAL | $\sum X=1259$ | $\sum X=1578$ |  |
|  | AVERAGE | $\mathrm{M}=50.36$ | $\mathrm{M}=63.12$ | $\sum=319$ |

From the table 4.8, it showed that the difference score between pre-test and post-test at the control class. The difference score was the result from the post-test scores reduced pre-test score. There was significant difference score between pre-test and post-test at the control class by the highest score was 32 and the lowest was 4 . The graphic describes the table as follow:

## Graphic 4.2

The different score between pre-test and post-test of control class


From graphic 4.2 above, it showed the results of the students' pre-test and post-test scores on the criteria of writing
in the control class. Data showed that the maximum score in pre-test was 78 and the minimum score was 34 . While in posttest the maximum score was 85 and the minimum score was 40. After getting the data from score of two classes, then the researcher analyzed it by using $t$-Test. The formula as follow :

$$
t_{0}=\frac{M_{1}-M_{2}}{\left(\frac{\sum x_{1}^{2}+\sum x_{2}^{2}}{N_{1}+N_{2}-2}\right)\left(\frac{N_{1}+N_{2}}{N_{1} \cdot N_{2}}\right)}
$$

Notes :
$t_{0}=\mathrm{t}$ observation
$M_{1} \quad=$ Mean score of the experiment class
$M_{2}=$ Mean score of the control class
$\sum x_{1}^{2}=$ Sum of square deviation score in experiment class
$\sum x_{2}^{2}=$ Sum of square deviation score in control class
$N_{1} \quad=$ Number of students of experiment class
$N_{2}=$ Number of students of control class
$2=$ Constant number
df $\quad=$ Degree of Freedom $\left(\mathrm{df}=N_{1}+N_{2}-2\right)$

Table 4.9
The result calculation of post-test at the experimental class $\left(X_{1}^{2}\right)$ and the control class $\left(X_{2}^{2}\right)$

| No | $X_{1}$ | $X_{2}$ | $x_{1}$ | $x_{2}$ | $x_{1}^{2}$ | $x_{2}^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 78 | 75 | 2.96 | 11.88 | 8.7616 | 141.1344 |
| 2 | 63 | 78 | -12.04 | 14.88 | 144.9616 | 221.4144 |
| 3 | 86 | 62 | 10.96 | -1.12 | 120.1216 | 1.2544 |
| 4 | 64 | 58 | -11.04 | -5.12 | 121.8816 | 26.2144 |
| 5 | 74 | 70 | -1.04 | 6.88 | 1.0816 | 47.3344 |
| 6 | 81 | 54 | 5.96 | -9.12 | 35.5216 | 83.1744 |
| 7 | 74 | 50 | -1.04 | -13.12 | 1.0816 | 172.1344 |
| 8 | 65 | 63 | -10.04 | -0.12 | 100.8016 | 0.0144 |
| 9 | 70 | 40 | -5.04 | -23.12 | 25.4016 | 534.5344 |
| 10 | 66 | 82 | -9.04 | 18.88 | 81.7216 | 356.4544 |
| 11 | 50 | 76 | -25.04 | 12.88 | 627.0016 | 165.8944 |
| 12 | 84 | 65 | 8.96 | 1.88 | 80.2816 | 3.5344 |
| 13 | 70 | 58 | -5.04 | -5.12 | 25.4016 | 26.2144 |
| 14 | 83 | 57 | 7.96 | -6.12 | 63.3616 | 37.4544 |
| 15 | 78 | 69 | 2.96 | 5.88 | 8.7616 | 34.5744 |
| 16 | 86 | 64 | 10.96 | 0.88 | 120.1216 | 0.7744 |
| 17 | 72 | 72 | -3.04 | 8.88 | 9.2416 | 78.8544 |
| 18 | 75 | 48 | -0.04 | -15.12 | 0.0016 | 228.6144 |
| 19 | 84 | 47 | 8.96 | -16.12 | 80.2816 | 259.8544 |
| 20 | 86 | 65 | 10.96 | 1.88 | 120.1216 | 3.5344 |
| 21 | 70 | 60 | -5.04 | -3.12 | 25.4016 | 9.7344 |
| 22 | 90 | 58 | 14.96 | -5.12 | 223.8016 | 26.2144 |
| 23 | 75 | 44 | -0.04 | -19.12 | 0.0016 | 365.5744 |
| 24 | 70 | 85 | -5.04 | 21.88 | 25.4016 | 478.7344 |
| 25 | 82 | 78 | 6.96 | 14.88 | 48.4416 | 221.4144 |
| $\sum$ | 1876 | 1578 |  |  | 2098.96 | 3524.96 |
| 2 |  |  |  |  |  |  |

Note :
$X_{1}=$ Score Post-test (Experimental Class)
$X_{2}=$ Score Post-test (Control Class)
$x_{1}=X_{1}-M_{1}\left(\right.$ Mean $\left.X_{1}\right)$
$x_{2}=X_{2}-M_{2}\left(\right.$ Mean $\left.X_{2}\right)$
$x_{1}^{2}=$ The Squared Value of $x_{1}$
$x_{2}^{2}=$ The Squared Value of $x_{2}$

From the table above, the researcher got the data $\sum X_{1}=1876$, $\sum X_{2}=1578, \sum x_{1}^{2}=2098.96, \sum x_{2}^{2}=3524.96$ where as $N_{1}=25$ and $N_{2}=25$. After that the researcher calculated them based on the $\mathrm{t}-$ test formula, the steps as follow :

1. Determine mean of variable $X_{1}$ and $X_{2}$

Variable $X_{1} M_{1}=\frac{\sum x_{1}}{N_{1}}=\frac{1876}{25}=75.04$
Variable $X_{2} M_{2}=\frac{\sum x_{2}}{N_{2}}=\frac{1578}{25}=63.12$
2. Determine $t$-Test

$$
\begin{aligned}
& \sum x_{1}^{2}=2098.96 \\
& \sum x_{2}^{2}=3524.96 \\
& \text { df }=N_{1}+N_{2}-2=25+25-2=48
\end{aligned}
$$

$$
\begin{aligned}
t_{o}= & \frac{M_{1}-M_{2}}{\sqrt{\left(\frac{\sum x_{1}^{2}+\sum x_{2}^{2}}{N_{1}+N_{2}-2}\right)\left(\frac{N_{1}+N_{2}}{N_{1} \cdot N_{2}}\right)}} \\
& =\frac{75,04-63,12}{\sqrt{\left(\frac{2098,96+3524,96}{25+25-2}\right)\left(\frac{25+25}{25.25}\right)}}
\end{aligned}
$$

$$
\begin{aligned}
& =\frac{11,92}{\sqrt{\left(\frac{5623,92}{48}\right)\left(\frac{50}{625}\right)}} \\
& =\frac{11.92}{\sqrt{117,165 \times 0,08}} \\
& =\frac{11,92}{\sqrt{9,3732}}=\frac{11,92}{3,06}=3.89
\end{aligned}
$$

So after the researcher calculates this data based on the formula $t$-Test, the obtained $t_{o}$ or $t_{\text {observation }}$ was 3,89 .

## C. Hypothesis Testing

The data obtained from experiment class and control class were calculated with the assumption as follow :

If $t_{0}>t_{t}:$ the alternative hypothesis was accepted. It means there was significant effect of teaching writing using scaffolding technique than without using scaffolding technique. If $t_{0}<t_{t}$ : null hypothesis was rejected. It means there was no significant effect of teaching writing using scaffolding technique than without it.

From the result of calculation above, it is obtained that the value of $t_{o}\left(t_{\text {observation }}\right)$ was 3.89 , the degree of freedom $(\mathrm{df})=48$. In the degree significance $5 \%=1,67$ in degree of significance $1 \%=2,40$. After that the researcher compared the data with $t_{t}$ (t table) both in degree significance $5 \%$ and $1 \%$. Therefore $t_{o}: t_{t}=3,89>1,67$ in degree of significance $5 \%$ and $t_{o}: t_{t}=3,89>2,40$ in degree significance $1 \%$.

The statistic hypothesis states that if $t_{o}$ is higher than $t_{t}$, it shows that $H_{a}$ (alternative hypothesis) of the result is accepted and $H_{o}$ (null hypothesis) is rejected. It means that there was an effect of teaching writing using scaffolding technique.

From the result above, the researcher give conclusion that it means there is a significant effectiveness of scaffolding technique on students' writing ability. It can be seen that the student score got better by scaffolding technique. This could be seen after comparing the score of pre-test (before using scaffolding technique) and post-test (after using scaffolding technique).

## D. Interpretation of The Data

Based on the finding data of the research, the implementation of scaffolding technique in teaching writing on descriptive text was found that the students taught by this technique have been improved than the students taught without using scaffolding technique. The students taught by this technique became more active in the class because they studied by cooperative and they must share their idea to their friend. It can help the students to have the knowledge and skills to be able to write their own texts.

From the result of the research that the mean of pre-test score obtained by students of MTs MII Cidangiang Pandeglang in the class VII A (experimental class) 59,64 was greater than class VII C (control class) 50,36. The highest score of pre-test
in VII A (experimental class) was 80 and in the class VII C (control class) was 78. The lowest score of pre-test in class VII A (experimental class) was 34 and in the class VII C (control class) was 34. It means that the distribution of score pre-test in experimental class was greater than control class.

The mean of post-test score in experimental class was 75,04 was greater than in control class was 63.12 . The highest score in experimental class was 90 and in control class was 85 . The lowest score in experimental class was 50 and in control class was 40. It means that the distribution of score post-test in experimental class was greater than control class. It can be seen in teaching process as follow :

1. In the experimental class

When the teacher taught writing using scaffolding technique, it made students more active because they work on the group and students also can discuss with their friend to share their idea in the classroom. Scaffolding technique help students $t$ have the knowledge and skills to be able to write their own texts because they have developed background knowledge about the subject, the generic structure of text, are aware of the linguistic characteristics of the genre, and have jointly constructed a similar text before they write their own texts. As students write, remind them about the process of writing: doing a first draft, self-editing,
discussing the draft with friends and later with the teacher, and finally producing a text. ${ }^{1}$
2. In the control class

When the teacher taught in control class, the teacher only explains the material without using scaffolding technique, the students were less interested. They got bored and they fell confused when the teacher asked them to write the text.

[^0]
## CHAPTER V

## CLOSING

## A. Conclusion

Based on the writer finding that was presented in the previous chapter the researcher would like to give some conclusions as follow :

1. Refers to the first statement of problem that is "How is the student's ability in writing descriptive text at the seventh grade of MTs MII Cidangiang Pandeglang?". From the result of the pre-test and post-test between experimental class and control class, the researcher can conclude that before giving treatment, the score of students' writing descriptive text were low and it increased after giving the treatment. The score of experimental class is better than score of control class. It can be shown from the result of data analysis that mean of control class is 63,12 and the mean of experiment class is 75.04 after giving treatment. It means that the mean of experiment class is good category.
2. Refers to the second statement of problem that is "How is the effectiveness of scaffolding technique in teaching writing on descriptive text at the seventh grade of MTs MII Cidangiang Pandeglang?". The statement could be answered based on the research analysis, it was known that according to the data, the value of $\mathrm{t}_{\text {observation }}$ is bigger than
$\mathrm{t}_{\text {table }} . \mathrm{t}_{\text {observation }}=3,89>\mathrm{t}_{\text {table }}=1,67(5 \%)$ or $\mathrm{t}_{\text {observation }} 3,89>$ $\mathrm{t}_{\text {table }}=2,40 \quad(1 \%)$, so $\mathrm{H}_{\mathrm{o}}$ is rejected and $\mathrm{H}_{\mathrm{a}}$ is accepted. It means that scaffolding technique had significant effect in students' learning writing descriptive text.

## B. Suggestion

Dealing with the conclusion of the research, the researcher would like to give some suggestion as follow:
a. For the Teacher

1. The teacher should be creative in developing English learning process in the classroom in order to make student more interested in learning English and mastery the material well.
2. Because writing is a process that not gained by a short period, it needs a long time journey to finish the writing. Then, do not forget to construct a prior knowledge before asking the students to fulfill their tasks.
3. To increase students' descriptive text, the teacher should be more attention towards students' need and students' ability in English learning in the classroom, and the teacher should be use method or approach in learning process to make student comfortable, enjoy, and more interest in learning writing descriptive text.
b. For the Students
4. The students have more spirit and more active by use the vtechnique because they can learn by cooperative.
5. The students should memorize vocabularies, it is useful to help students in writing descriptive text.
c. For the Further Researcher

For further researcher, the researcher hopes they can try to apply scaffolding technique in different skill of English language and choose the appropriate material or make other teaching technique that can be applied by teachers and conduct the research better.


[^0]:    ${ }^{1}$ Pauline Gibbons, (Scaffolding Language; Scaffolding Learning Second edition) Heineman Portsmouth, NH. 2015. p. 121

