## CHAPTER IV

## RESEARCH FINDINGS AND DISCUSSION

This chapter presents about research findings and discussion that include data of research findings, data analysis, the result of normality and homogeneity testing, hypothesis testing and discussion.

## A. Research Findings

To investigate students' writing achievement in narrative text before and after taught by using Edmodo, the researcher conducted pretest and posttest. In pretest and posttest was a bit different topic, but kind of narrative text was same that was legend story.

To know the students' achievement good or not, the researcher gave criteria as suggested by the English teacher of MTsN Tulungagung. This is as follows:

Table 4.1 : The Scores' Criteria

| Score | Criteria |
| :--- | :--- |
| $85-100$ | Excellent |
| $70-84$ | Good |
| $55-69$ | Average |
| $40-54$ | Poor |
| $0-39$ | Very Poor |

Pre-test was done before the treatment process. It was administered on Monday, February $13^{\text {th }} 2017$. The test was writing achievement test that were in the form of narrative text with the topics "The Legend of Rawa Pening" and "The Legend of Joko Budeg Stone" which decided by the researcher. The students were
given 60 minutes to do the pre-test. This test was intended to know the students' achievement before getting the treatment.

The table below showed the student's score of pre-test in writing narrative text. The pre-test was administered for 35 students in VIII C class taken as sample. The students are coded in to initial name. The scores based on the five aspects in writing, there are: content, organization, vocabulary, grammar and mechanic. The data are presented in the following table:

Table 4.2 : Pre-test Score

| NO | SUBJE | COMPOSITION |  |  |  |  | TOTAL | SCORE | CATEGORY |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | C | O | V | G | M |  |  |  |
| 1 |  | 3 | 2 | 4 | 2 | 2 | 15 | 60 | AVERAGE |
| 2 |  | 2 | 1 | 3 | 1 | 2 | 8 | 32 | VERY POOR |
| 3 |  | 2 | 1 | 2 | 1 | 2 | 9 | 36 | VERY POOR |
| 4 | D | 4 | 3 | 4 | 3 | 4 | 17 | 68 | AVERAGE |
| 5 | E | 3 | 2 | 3 | 3 | 2 | 13 | 52 | AVERAGE |
| 6 | F | 2 | 2 | 2 | 1 | 2 | 8 | 32 | VERY POOR |
| 7 | G | 4 | 4 | 4 | 3 | 3 | 17 | 68 | AVERAGE |
| 8 | H | 4 | 3 | 1 | 3 | 2 | 13 | 52 | AVERAGE |
| 9 | I | 3 | 3 | 2 | 2 | 2 | 12 | 48 | POOR |
| 10 | J | 3 | 3 | 3 | 2 | 2 | 13 | 52 | POOR |
| 11 | K | 2 | 2 | 2 | 3 | 2 | 11 | 44 | POOR |
| 12 | L | 3 | 3 | 2 | 2 | 2 | 12 | 48 | POOR |
| 13 | M | 3 | 3 | 3 | 2 | 2 | 13 | 52 | POOR |
| 14 | N | 2 | 2 | 1 | 1 | 1 | 7 | 28 | VERY POOR |
| 15 | O | 2 | 1 | 2 | 1 | 2 | 8 | 32 | VERY POOR |
| 16 | P | 3 | 2 | 3 | 2 | 2 | 12 | 48 | POOR |
| 17 | Q | 4 | 3 | 2 | 2 | 2 | 13 | 52 | POOR |
| 18 | R | 3 | 3 | 3 | 2 | 2 | 14 | 56 | AVERAGE |
| 19 | S | 3 | 3 | 2 | 2 | 2 | 12 | 48 | POOR |


| 20 | T | 4 | 4 | 3 | 3 | 3 | 17 | 68 | AVERAGE |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 21 | U | 2 | 3 | 2 | 2 | 2 | 11 | 44 | POOR |
| 22 | V | 4 | 3 | 2 | 2 | 2 | 13 | 52 | POOR |
| 23 | W | 3 | 2 | 3 | 1 | 2 | 11 | 44 | POOR |
| 24 | X | 2 | 2 | 3 | 2 | 3 | 12 | 48 | POOR |
| 25 | Y | 3 | 3 | 3 | 2 | 2 | 13 | 52 | POOR |
| 26 | Z | 3 | 2 | 3 | 2 | 3 | 13 | 52 | POOR |
| 27 | AA | 4 | 3 | 2 | 2 | 2 | 14 | 56 | AVERAGE |
| 28 | BB | 3 | 2 | 3 | 3 | 3 | 14 | 56 | AVERAGE |
| 29 | CC | 4 | 4 | 4 | 3 | 3 | 18 | 72 | GOOD |
| 30 | DD | 4 | 3 | 4 | 3 | 3 | 17 | 68 | AVERAGE |
| 31 | EE | 3 | 3 | 3 | 2 | 2 | 13 | 52 | POOR |
| 32 | FF | 3 | 3 | 3 | 3 | 2 | 14 | 56 | AVERAGE |
| 33 | GG | 4 | 3 | 2 | 2 | 2 | 13 | 52 | POOR |
| 34 | HH | 3 | 2 | 1 | 3 | 2 | 11 | 44 | POOR |
| 35 | II | 4 | 4 | 3 | 2 | 2 | 15 | 60 | AVERAGE |
|  |  |  |  |  |  |  |  |  |  |

Furthermore, the percentage of the students pre-test' score can be found by using this formula:

$$
P=\frac{F}{N} x 100 \%
$$

Where:
$P$ : percentage
$F \quad$ : frequency
$N$ : total of students

Table 4.3 : The Frequency and Percentage of Students' Achievement on Pre-, Test

| INTERVAL <br> CLASS/STUDENT'S <br> SCORE | FREQUENCY <br> (f) | PERCENTAGE <br> $(\%)$ |
| :--- | :--- | :--- |
| Excellent (85-100) | 0 | 0 |
| Good (70-84) | 1 | 3 |
| Average (55-69) | 10 | 29 |
| Poor (40-54) | 19 | 54 |
| Very Poor (0-39) | 5 | 14 |
|  | $\sum \mathrm{f}=35$ | $\sum \mathrm{p}=100 \%$ |

As can be seen from the Table 4.4, no one of the students got excellent score, 1 student got good score, 10 students got average score, 19 students got poor score, and 5 students got very poor score. In other words, it is known that $0 \%$ students got excellent score, 3\% students got good score, $29 \%$ students got average score, $54 \%$ students got poor score, and $14 \%$ students got very poor score.

While, the post-test was done after the treatment process. It was administered on Monday, March $13^{\text {th }}$ 2017. It was administered for 35 students in VIII C class taken as sample. The students are coded in to initial name. The scores based on the five aspects in writing, there are: content, organization, vocabulary, grammar and mechanic. The data are presented in the following table:

Table 4.4 : Post-test Score

| NO | SUBJECT | COMPOSITION |  |  |  | TOTAL | SCORE | CATEGORY |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | C | O | V | G | M |  |  |  |
| 1 | A | 5 | 5 | 5 | 4 | 4 | 17 | 68 | AVERAGE |
| 2 | B | 4 | 3 | 3 | 3 | 3 | 13 | 52 | AVERAGE |
| 3 | C | 3 | 2 | 4 | 3 | 4 | 12 | 48 | POOR |
| 4 | D | 4 | 3 | 4 | 4 | 4 | 19 | 76 | GOOD |
| 5 | E | 4 | 4 | 5 | 4 | 4 | 20 | 80 | GOOD |
| 6 | F | 3 | 2 | 3 | 2 | 3 | 13 | 52 | POOR |
| 7 | G | 5 | 4 | 5 | 4 | 4 | 19 | 76 | GOOD |
| 8 | H | 4 | 4 | 4 | 4 | 3 | 18 | 72 | GOOD |
| 9 | I | 4 | 3 | 4 | 2 | 3 | 16 | 64 | AVERAGE |
| 10 | J | 5 | 4 | 4 | 4 | 4 | 17 | 68 | GOOD |
| 11 | K | 5 | 4 | 4 | 3 | 3 | 19 | 76 | GOOD |
| 12 | L | 3 | 3 | 3 | 2 | 2 | 13 | 52 | POOR |
| 13 | M | 5 | 5 | 4 | 3 | 4 | 21 | 84 | GOOD |
| 14 | N | 3 | 3 | 2 | 2 | 3 | 12 | 48 | POOR |
| 15 | O | 2 | 3 | 4 | 4 | 4 | 13 | 52 | AVERAGE |
| 16 | P | 4 | 3 | 4 | 2 | 4 | 12 | 48 | POOR |
| 17 | Q | 5 | 5 | 4 | 4 | 4 | 18 | 72 | GOOD |
| 18 | R | 3 | 3 | 4 | 4 | 4 | 14 | 56 | AVERAGE |
| 19 | S | 5 | 5 | 5 | 3 | 4 | 16 | 64 | AVERAGE |
| 20 | T | 4 | 4 | 5 | 4 | 3 | 20 | 80 | GOOD |
| 21 | U | 3 | 3 | 3 | 3 | 4 | 16 | 64 | AVERAGE |
| 22 | V | 4 | 3 | 5 | 4 | 3 | 19 | 76 | GOOD |
| 23 | W | 4 | 3 | 5 | 4 | 3 | 18 | 72 | GOOD |
| 24 | X | 3 | 3 | 4 | 3 | 4 | 17 | 68 | AVERAGE |
| 25 | Y | 5 | 4 | 4 | 3 | 4 | 20 | 80 | GOOD |
| 26 | Z | 4 | 3 | 4 | 2 | 4 | 17 | 68 | AVERAGE |
| 27 | AA | 4 | 3 | 3 | 4 | 4 | 18 | 72 | GOOD |
|  |  |  |  |  |  |  |  |  |  |


| 28 | BB | 5 | 4 | 5 | 4 | 4 | 22 | 88 | EXCELLENT |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 29 | CC | 5 | 5 | 5 | 4 | 4 | 21 | 84 | GOOD |
| 30 | DD | 5 | 4 | 5 | 4 | 4 | 20 | 80 | GOOD |
| 31 | EE | 3 | 2 | 4 | 2 | 3 | 14 | 56 | AVERAGE |
| 32 | FF | 4 | 4 | 4 | 3 | 4 | 19 | 76 | GOOD |
| 33 | GG | 5 | 4 | 5 | 4 | 4 | 22 | 88 | EXCELLENT |
| 34 | HH | 4 | 3 | 4 | 3 | 4 | 18 | 72 | GOOD |
| 35 | II | 5 | 5 | 5 | 4 | 4 | 20 | 80 | GOOD |

The data of students' achievement after taught by using Edmodo Educational Website above, and then are arranged in the form of frequency and percentages through score's criteria by using this formula:

$$
P=\frac{F}{N} x 100 \%
$$

Where:

| $P$ | $:$ percentage |
| :--- | :--- |
| $F$ | $:$ frequency |
| $N$ | $:$ total of students |

Table 4.5: The Frequency and Percentage of Students’ Achievement on Post-

## Test

| INTERVAL <br> CLASS/STUDENT'S <br> SCORE | FREQUENCY <br> (f) | PERCENTAGE <br> $(\%)$ |
| :--- | :--- | :--- |
| Excellent (85-100) | 2 | 6 |
| Good $(70-84)$ | 17 | 48 |
| Average $(55-69)$ | 9 | 26 |


| Poor (40-54) | 7 | 20 |
| :--- | :--- | :--- |
| Very Poor $(0-39)$ | 0 | 0 |
|  | $\sum \mathrm{f}=35$ | $\sum \mathrm{p}=100 \%$ |

Based on the data of table 4.6, there were 2 students got excellent score, 17 students got good score, 9 students got average score, 7 students got poor score and no one of student got very poor score. It also can be described as percentages view. There were $6 \%$ of students got excellent score, $48 \%$ of the students achieved good score, $26 \%$ got average score, $20 \%$ of student got poor score and no one of student got very poor score.

In order to present the percentages difference of the pre-test and post-test achievement, the percentages was presented again on the following table:

Table 4.6: The Comparison of Pre-test and Post-test Percentage

| INTERVAL <br> CLASS/STUDENT'S <br> SCORE | Pre-test (\%) | Post-test (\%) |
| :--- | :--- | :--- |
| Excellent (85-100) | 0 | 6 |
| Good (70-84) | 3 | 48 |
| Average (55-69) | 29 | 26 |
| Poor (40-54) | 54 | 20 |
| Very Poor (0-39) | 14 | 0 |

From table 4.6, it can be concluded that the students' pre-test and post-test score in the percentage and criteria was different. After taught by using Edmodo Educational Website in teaching and learning on the table 4.6 showed that criteria score of Excellent was increased ( $0 \%$ to be 6\%), Good grade was increased (3\% to be $48 \%$ ), Average grade was decreased ( $29 \%$ to be $26 \%$ ), Poor grade was
decreased ( $54 \%$ to be $20 \%$ ), and Very Poor grade was equal percentage ( $14 \%$ to be $0 \%$ ). In conclusion, it showed that after taught by using Edmodo as a media to teach writing narrative text was effective on the students' writing achievement.

The final result of students' writing after doing all of the steps in process writing in pretest and posttest then were analyzed by using writing scoring rubric. Table 4.7 shows the students' score before and after using Edmodo.

Table 4.7: The Result of The Student's writing before and after taught by using Edmodo

| No. | Student | Pre-test (X) | Post-test(Y) | D (Y-X) Point Difference | D (Y-X) ${ }^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | A | 60 | 68 | 8 | 64 |
| 2 | B | 32 | 52 | 20 | 400 |
| 3 | C | 36 | 48 | 12 | 144 |
| 4 | D | 68 | 76 | 8 | 64 |
| 5 | E | 52 | 80 | 28 | 784 |
| 6 | F | 32 | 52 | 20 | 400 |
| 7 | G | 68 | 76 | 8 | 64 |
| 8 | H | 52 | 72 | 20 | 400 |
| 9 | I | 48 | 64 | 16 | 256 |
| 10 | J | 52 | 68 | 16 | 256 |
| 11 | K | 44 | 76 | 32 | 1024 |
| 12 | L | 48 | 52 | 4 | 16 |
| 13 | M | 52 | 84 | 32 | 1024 |
| 14 | N | 28 | 48 | 20 | 400 |
| 15 | O | 32 | 52 | 20 | 400 |


| 16 | P | 48 | 48 | 0 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 17 | Q | 52 | 72 | 20 | 400 |
| 18 | R | 56 | 56 | 0 | 0 |
| 19 | S | 48 | 64 | 16 | 256 |
| 20 | T | 68 | 80 | 12 | 144 |
| 21 | U | 44 | 64 | 20 | 400 |
| 22 | V | 52 | 76 | 24 | 576 |
| 23 | W | 44 | 72 | 28 | 784 |
| 24 | X | 48 | 68 | 20 | 400 |
| 25 | Y | 52 | 80 | 28 | 784 |
| 26 | Z | 52 | 68 | 16 | 256 |
| 27 | AA | 56 | 72 | 16 | 256 |
| 28 | BB | 56 | 88 | 32 | 1024 |
| 29 | CC | 72 | 84 | 12 | 144 |
| 30 | DD | 68 | 80 | 12 | 144 |
| 31 | EE | 52 | 56 | 4 | 16 |
| 32 | FF | 56 | 76 | 20 | 400 |
| 33 | GG | 52 | 88 | 36 | 1296 |
| 34 | HH | 44 | 72 | 28 | 784 |
| 35 | II | 60 | 80 | 20 | 400 |
|  | $\mathrm{N}=35$ | $\sum \mathrm{X}=1784$ | $\sum \mathrm{Y}=2412$ | $\sum \mathrm{D}=628$ | $\sum \mathrm{D}^{2}=14160$ |

Table 4.7 showed the increasing students' score of pre-test and post-test. 2 students were increased 4 point (L and EE), 3 students were increased 8 points (A, D, and G), 4 students were increased 12 point (C,T,CC, and DD), 5 students were increased 16 point (I, J,S, Z, and AA), 9 students were increased 20 point (B, F,
$\mathrm{H}, \mathrm{N}, \mathrm{O}, \mathrm{Q}, \mathrm{U}, \mathrm{X}$, and FF), 1 student was increased 24 point (V), 4 students were increased 28 point (E, W, Y, and HH), 2 students were increased 32 point ( K and M), and 1 student was increased 36 point (GG).

## B. Data Analysis

To investigate whether Edmodo is effective on the students' achievement in writing narrative text, the researcher measured the result of pre-test and posttest by using Paired Sample Test in IBM SPSS Statistics 16. As what previously mentioned that there are two hypotheses in this study; (1) Null hypothesis stating that there is no significant difference on students' writing achievement in writing narrative text before and after taught by using Edmodo, and (2) Alternative hypothesis stating that there is significant difference on students' achievement in writing narrative text before and after taught by using Edmodo.

The result of mean score from student's score of pre-test and post-test as in the following table:

Table 4.8 : Paired Sample Statistics

Paired Samples Statistics

|  |  | Mean | N | Std. Deviation | Std. Error Mean |
| :--- | :--- | ---: | ---: | ---: | ---: |
| Pair 1 | pretest | 50.97 | 35 | 10.774 | 1.821 |
|  | posttest | 68.91 | 35 | 12.082 | 2.042 |

The data presented above was the performance scores of the one group of students taken as the sample, before and after taught by using Edmodo as the treatment. The mean score of pre-test was 50.97 while the mean score of post-test was 68.91 . The number of students $(\mathrm{N})$ both in pre-test and post-test were 35 . The
standard deviation of pre-test was 10.774 and the error mean was 1.821 . On the posttest, the standard deviation was 12.082 and the error mean was 2.042.

Based on the result of mean, it can be concluded that the mean score of pre-test was different from the mean score of post-test. Thus it can be concluded that there was increased since the mean score of post-test was higher than pre-test.

Table 4.9 : Paired Samples Correlation


Based on the table 4.9 above, showed the correlations between two scores of pre-test and post-test where it seen that the correlation scores of pre-test and post-test $=0.680$ and $\operatorname{sig}=0.000$. For interpretation of decision based on the result of probability achievement, that is:
a) If the sig $>0.05$, means $\mathrm{H}_{\mathrm{o}}$ is accepted
b) If the sig $<0.05$, means $\mathrm{H}_{0}$ is rejected

It shows that $\operatorname{sig}=0.000$ is lower than 0.05 means that $\mathrm{H}_{0}$ is rejected and Ha is accepted. So, it can be concluded that there was significant different score between pre - test and post - test score.

Table 4.10 Paired Sample T-test

Paired Samples Test

|  | Paired Differences |  |  |  |  | t | df | Sig. (2tailed) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mean | Std. <br> Deviation | Std. Error <br> Mean | 95\% Confidence Interval of the Difference |  |  |  |  |
|  |  |  |  | Lower | Upper |  |  |  |
| Pair 1 pretest posttest | -17.943 | 9.223 | 1.559 | -21.111 | -14.775 | -11.510 | 34 | . 000 |

Based on the table 4.10 , output paired samples test showed the result of compare analysis with using T test. Output showed of mean pre-test and post-test (17.943), standard deviation (9.223), mean standard error (1.559). The lower different (21.111), while upper different (14.775). The result test $t=(11.510)$ with $\mathrm{df}=34$ and significance (0.000).

We can see that the toount was 11.510 . The way to test whether null hypothesis could be rejected was by comparing the result of tcount and table. If the result of tcount was higher than table at the level of significance 0.05 , the null hypothesis can be rejected. On the contrary, if the result of tcount is lower than table, the null hypothesis cannot be rejected. In consulting to table, the researcher needed to find out the degree of freedom. As can be seen in Table 4.10 that (Degree of freedom) is 34 , the researcher consulted to the table, and at the level of significance 0.05 , the value of table is 2.032 . Comparing to the value of table, the value of was higher $t_{\text {tount }}>$ table $(11.510>2.032)$. Also, the way to test whether the null
hypothesis can be rejected was by comparing p-value with the standard level of significance, 0.05 . The convention to reject the null hypothesis is when the p value of the obtained statistics is less than 0.05 (Balnaves \& Calputi, 2001).

As Table 4.10 showed, the p -value was less than $0.05(0.000<0.05)$. Thus, there was enough evidence indicating that the null hypothesis could be rejected, and it could be concluded that using Edmodo was effective on the students' achievement in writing narrative text.

## C. The Result of Normality and Homogeneity Testing

In this part the researcher discuss about the result of normality and homogeneity testing.

## 1. The Result of Normality Testing

Normality testing is conducted to determine whether the gotten data is normal distribution or not. The researcher used SPSS.16. OneSample Kolmogorov-Smirnove test by the value of significance $(\alpha)=$ 0.050 . The result can be seen below.

## Table 4.11 : Normality Testing

One-Sample Kolmogorov-Smirnov Test

|  |  | pretest | posttest | Unstandardized Residual |
| :---: | :---: | :---: | :---: | :---: |
| N |  | 35 | 35 | 35 |
| Normal Parameters ${ }^{\text {a }}$ | Mean | 50.97 | 68.91 | . 0000000 |
|  | Std. Deviation | 10.774 | 12.082 | 7.90134892 |
| Most Extreme Differences | Absolute | . 148 | . 144 | . 126 |
|  | Positive | . 148 | . 119 | . 107 |
|  | Negative | -. 138 | -. 144 | -. 126 |
| Kolmogorov-Smirnov Z |  | . 874 | . 850 | . 746 |
| Asymp. Sig. (2-tailed) |  | . 430 | . 466 | . 635 |

a. Test distribution is Normal.

Based on the table above was knowed that the significance value from pre-test is 0.874 and from the post test is 0.850 . Both value from pre-test and post-test are higher than 0.05 . The sig/p value on pre-test is 0.874 and it is higher than $0.05(0.874>0.05)$ means that the data is in normal distribution. Then, for post-test score the value of sig/p is 0.850 and that is higher than $0.05(0.850>0.05)$ means that the data is in normal distribution. It also means that $\mathrm{H}_{0}$ is accepted and $\mathrm{H}_{\mathrm{a}}$ is rejected. So, it can be interpreted that both of data (pre-test and posttest score) are in normal distribution.

## 2. The Result of Homogeneity Testing

Homogeneity testing is conducted to know whether the gotten data has a homogeneous variance or not. To know the homogeneity, the
researcher used Test of Homogeneity of Variances with SPSS. 16 by the value of significance $(\alpha)=0.050$. The result can be seen below:

## Table 4.12 : Homogeneity Testing

## Test of Homogeneity of Variances

Pretest

| Levene Statistic | df1 | df2 | Sig. |
| ---: | ---: | :--- | :--- |
| 2.012 |  | 9 |  |

Based on the table above is known that the sig/p value is 0.081 higher than 0.05 means $\mathrm{H}_{0}$ is rejected and $\mathrm{H}_{\mathrm{a}}$ is accepted. So, it can be interpreted that the data is homogeny.

## D. Hypothesis Testing

From the data analysis it could be identify that:

1. When the value of $\mathrm{T}_{\text {count }}>\mathrm{T}_{\text {table }}$ in $d f=34$ with the significant level 0.05 . The alternative hypothesis $\left(\mathrm{H}_{\mathrm{a}}\right)$ is accepted and the null hypothesis $\left(\mathrm{H}_{0}\right)$ is rejected. It means that there is significant different score of writing narrative text achievement to eighth grade students at MTsN Tulungagung before and after taught by using Edmodo Educational Website.
2. When the value of $\mathrm{T}_{\text {count }}<\mathrm{T}_{\text {table }}$ in $d f=34$ with the significant level 0.05 . The null hypothesis $\left(\mathrm{H}_{0}\right)$ is accepted and the alternative hypothesis $\left(\mathrm{H}_{\mathrm{a}}\right)$ is rejected. It means that there is no significant different score of writing
narrative text achievement to eighth grade students at MTsN Tulungagung before and after taught by using Edmodo Educational Website.

The mean of total writing narrative text achievement test score of 35 students before using Edmodo Educational Website is (50.97). After getting treatment, the means score of students' achievement is (68.91). It means that the students' score is improved.

Based on the statistical calculation using t-test, the researcher gives interpretation to $\mathrm{t}_{\text {count }}$. First, she considered the d.f. with the d.f. $(35-1=34)$. She checked to the score of " $t$ " at the significant level of 0,05 . In fact, with the $d . f$. of (34) and the critical value 0,05 significant $\mathrm{t}_{\text {table }}$ was (2.032).

By comparing the " $t$ " that she got in calculation $t_{\text {count }}=(11.510)$ and the value of " t " on the $\mathrm{t}_{\text {table }}=\mathrm{t}_{0.05}=(2.032)$, it is known that $\mathrm{t}_{\text {count }}$ is bigger than $\mathrm{t}_{\text {table }}=$ $11.510>2.032$. Because the $t_{\text {count }}$ is bigger than $\mathrm{t}_{\text {table }}$ the null hypothesis $(\mathrm{Ho})$ is rejected and the alternative hypothesis (Ha) is accepted. It means that there is significant different score of student's achievement in writing narrative text of eighth grade students of MTsN Tulungagung before and after using Edmodo Educational Website.

## E. Discussion

The objective of this study there was siginficant different score's of eight grade students' achievement in writing narrative text. Then, the result of this study indicated the result of post-test after using Edmodo was significant different after and before taught by using Edmodo. This result showed that the students more
interested to write and share their idea by using Edmodo. However, the students were motivated in writing narrative text after using Edmodo as media. This finding showed that the used of digital technologies such computer and social network like Edmodo can shape students' writing myriad ways including in generating ideas, composing, revising, editing, formatting, and printing anything from a single word to a lengthy essay (Purcell et al. 2013; Langan, 2005).

From the research finding in chapter IV, the output data of Paired Samples Statistics shows the the mean of pre-test and post-test was increased from 50.97 to be 68.91. The standard deviation is to measure how much the variance of the sample. The standard deviation of pre-test is $10.774<50.97$ and post-test is $12.082<68.91$ where if the standard deviation is getting higher than the mean it means that the mean is not homogeny and if the standard deviation is getting smaller than the mean it means that the mean is homogeny. So, it can be concluded that standard deviation of pre-test and post-test was homogeny means that the sample of this research almost has the same mean.

Based on the output data of Paired Samples Test it was found that $\mathrm{t}_{\text {count }}=$ 11.510 and $\mathrm{t}_{\text {table }}=2.032$ and if compared the differences both of value is 9.478 . From this comparison, $\mathrm{t}_{\text {count }}=11.510$ is bigger than $\mathrm{t}_{\text {table }}=2.032$ which means the alternative hypothesis $(\mathrm{Ha})$ is accepted, while the null hypothesis $(\mathrm{Ho})$ is rejected. Therefore, it can be concluded that there is significance different of the students' achievement in writing narrative text of the eighth grade students of MTsN Tulungagung in academic year 2016/2017 before and after using Edmodo Educational Website.

Regarding on the result of data analysis above, it is strongly related to some advantages served by the use of media like Edmodo website. One advantage of using Edmodo is that students more active and creative in on-line session. Using Edmodo in learning was likely to be more interesting, showed by the result of the pre-test and post-test that Edmodo had a high level of acceptance either from teachers or students side (Kongchan, 2012). In Edmodo, students would not have shame feeling because they share idea, knowledge, and opinion on Edmodo and they will keep silent in the classroom. They also can give some responses to their friends' post, share link, submitting their works, and get feedback from the teacher. Besides, another advantage of using Edmodo is facilitate students in submitting their works, sharing knowledge, knowing their progress, trying to be actively participate in teaching and learning process, interacting with each other without face-to-face meeting, etc.

Finally, it was proven that using Edmodo as media in writing could stimulate students' writing more better. Edmodo was effective on the students' achievement in writing narrative text and could increase the students' motivation, interest, idea, and score.

