## CHAPTER IV

## RESEARCHER FINDING AND DISCUSSION

In this chapter explains the findings from the results of analyzing the data in the study. Hence, this chapter explains the description of data, hypothesis testing and discussion in study.

## A. The Description of Data

In this chapter, the purpose of doing this study is to know the effectiveness of using story mapping on students of reading narrative text. In this study, the researcher used the test in collecting data, namely pre-test and post-test. In this study, the researcher used the subject, namely the eighth grade students of VIII-A at SMPN 1 SUMBERGEMPOL. The researcher used multiple choice tests with 10 questions given to 20 students in the study.

Before treatment using story mapping technique in teaching reading skills in narrative text, the researcher gave reading test to students, namely the pre-test. This test is useful for measuring and knowing student achievement in reading narrative text skills before students got treatment using story mapping technique.

After the researcher carried out the pre-test and got the results of the student's pre-test, the researcher conducted the next stage of the research which is giving treatment to students about the story mapping technique. When the researcher finished giving treatment, students felt interested in trying to use story
mapping from text. They felt interested because they can describe the story, and they found it easier to learn narrative text using this technique.

After the researcher gave the treatment, the students had felt interested and understood with the technique that had been taught, the researcher gave the last research phase, post-test. Post-test purposes to find out the comparison of students' reading skills about narrative text before and after being given treatment using story mapping technique. In this post-test, the researcher asked students to answer multiple choice questions that have 10 questions about narrative text. The researcher wanted to know the extent to which students know the description of the story text and remember the elements in the story that are given treatment time. And after, the researcher knew the results; it is proven that after treating students' reading skills increase from previous reading skills.

Based on the statement above, in this study there were 20 students who were given pre-test and post-test. The same test used multiple choices but only questions and different narrative texts. For the test assessment above, there are 5 criteria (table 4.1).

Table 4.1 Criteria Student's Score

| Score | Criteria |
| :---: | :---: |
| $90-100$ | Excellent |
| $80-90$ | Good |
| $70-80$ | Average |
| $60-70$ | Poor |


| $0-60$ | Very Poor |
| :---: | :---: |

Based on Table 4.1 above it can be explained that, if the students' score is $90-100$ then the criteria score is very good (excellent), the students' score is $80-$ 90 is then the criteria score is good, the students' score is $70-80$ then the criteria score is average, the students' score is $60-70$ then the criteria score is poor, and if the lowest students' score is $0-60$ then the criteria score got is very poor.

The procedures of teaching using story mapping technique are as follows:
a) The researcher introduces the concept of story mapping and its benefits to students in reading skills, especially narrative text. The researcher explain students that story mapping can help them understand narrative texts.
b) The researcher explains the generic structure of narrative text which will be a component of the story mapping. The narrative component is the title, settings (where and when), main characters, problems, events, and resolutions.
c) The researcher asks students to read the narrative story text given to them. in addition, the researcher also emphasized several content points that were important for students to understand.
d) The researcher asks students to fill out the story mapping worksheet according to the narrative story text.
e) The researcher guides them to find their mistakes so students read their stories again and correct their mistakes. The researcher also uses direct questions to make them focus on reading targets.
f) After filling out the story mapping, the researcher and students discuss the worksheet. Then, the researcher asks students to read it while researcher still questions the element of story mapping. After that, the researcher gave feedback and evaluation of their answers.
g) the researcher gives several exercises conducted individually to evaluate students' understanding of the story mapping technique in narrative text learning

1) The Result of Students' Score before Treatment by Using Story Mapping Technique

In this pre-test has 10 items of questions that the researcher gave to 20 students. Here, the pre-test is done before doing the story mapping technique treatment. This test is given by researcher to students to find out students' reading skills before they got treatment. In this study, the pre-test was carried out on May $18^{\text {th }}, 2018$ and the subject of this test was 20 students. The pre-test value is in the table (table 4.1)

Table 4.2 Score of Students Pre-test

| N | Subject | Pre-test Score |  |  |  |  |  |  |  |  |  | Total <br> Score |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |  |
| 1 | AKE | 10 | 10 | 10 | 0 | 10 | 10 | 10 | 10 | 0 | 0 | 70 |
| 2 | ANMS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 0 | 80 |
| 3 | APP | 10 | 10 | 0 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 80 |
| 4 | AAS | 0 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 10 | 80 |
| 5 | AN | 10 | 0 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 10 | 80 |


| 6 | EFR | 10 | 10 | 10 | 0 | 10 | 10 | 10 | 10 | 0 | 0 | 70 |
| :---: | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7 | EV | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 10 | 0 | 80 |
| 8 | FB | 0 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 10 | 0 | 70 |
| 9 | HN | 0 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 80 |
| 10 | LDP | 10 | 0 | 10 | 10 | 10 | 10 | 0 | 10 | 10 | 10 | 80 |
| 11 | MBS | 10 | 10 | 0 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 80 |
| 12 | MDRD | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 0 | 0 | 70 |
| 13 | MEDN | 10 | 10 | 10 | 0 | 10 | 10 | 10 | 10 | 10 | 0 | 80 |
| 14 | MYA | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 10 | 0 | 70 |
| 15 | NM | 10 | 0 | 10 | 10 | 0 | 10 | 10 | 10 | 10 | 0 | 70 |
| 16 | PD | 0 | 10 | 10 | 0 | 10 | 10 | 10 | 10 | 10 | 0 | 70 |
| 17 | RANJ | 10 | 10 | 10 | 10 | 0 | 10 | 0 | 10 | 10 | 10 | 80 |
| 18 | TASD | 10 | 10 | 10 | 0 | 0 | 10 | 10 | 10 | 10 | 0 | 70 |
| 19 | VNA | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 0 | 10 | 10 | 80 |
| 20 | VN | 10 | 10 | 10 | 0 | 0 | 10 | 10 | 10 | 10 | 10 | 80 |

From results of the students' scores on the pre-test according to the students' score criteria above. It could be explained that there were 12 students had a good score. It means, 12 students got a score of 80.0 in the pre-test. And 8 students had an average score. It means, 8 students got a score of 70.0 in the pretest. After that, the researcher calculated the average score of all student total
scores by means of all student total scores divided by the number of all students, such as the following formula:

$$
\check{x}=\frac{\sum x}{n}=\frac{1520}{20}=76.0
$$

The mean score of students pre-test was 76.0

Table 4.3 Descriptive Statistic of Pre-test

## Statistics

VAR00001

| NValid <br>  <br> Missing <br> Mean <br>  <br> Median <br> Mode <br> Std. Deviation | 0 |
| :--- | :--- | ---: |

a. Multiple modes exist. The smallest value is shown

Seen from table 4.3. The researcher is showed that the mean score of pretest was 76.0; the purpose of the explanation was the average score of the pre-test score of 20 students was 76.0 . From the results of the mean, it can be concluded that the mean level of student competency scores in reading skills, especially narrative text, has a level score that is not too good or bad, so the mean level of competency scores got by students is average score level. The median score of pre-test was 80.0 . With the median result, it can be concluded that the boundary
between the 2 student competency score levels which score was got from the $50 \%$ score division of the top student score and $50 \%$ score division of the down student score so that the median could be 80.0 and it is the average score level. The result of the score mode of pre-test was 80.0. The mode is the value that often appears or the highest frequency score. It is seen from the pre-test score to measure the level of students' reading skill, most students in this pre-test get a score of 80.0 which score is included in the average score level. And the result of the standard deviation in the assessment of the student's pre-test score above was 5.026.

Table 4.4 Frequency of Pre-test score

VAR00001

|  | Frequency | Percent | Valid Percent | Cumulative Percent |
| :---: | ---: | ---: | ---: | ---: |
| Valid 70 | 8 | 40.0 | 40.0 | 40.0 |
| 80 | 12 | 60.0 | 60.0 | 100.0 |
| Total | 20 | 100.0 | 100.0 |  |

Figure 4.1 Histogram of pre-test

## Histogram



Seen from table 4.4, it can be shown that 8 students ( $40.0 \%$ ) got a score of 70.0, meaning that the students at SMPN 1 SUMBERGEMPOL in their reading skills ability got a score level that is the average score level. Then, there were 12 students $(60.0 \%)$ got a score of 80.0 , meaning that the students at SMPN 1 SUMBERGEMPOL in their reading skills ability got a score level that is the good score level. So, it can be concluded that the students of SMPN 1

SUMBERGEMPOL have the most their reading skills ability is the good level score

## 2) The Result of Students' Score after Treatment Story Mapping Technique

In this post-test has 10 items of questions that the researcher gave to 20 students. Here, the post-test is done after doing the story mapping technique treatment. This test is given by researcher to students to find out students' reading skills after they got treatment. In this study, the post-test was carried out on May $18^{\text {th }}, 2018$ and the subject of this test was 20 students. The post-test score could be seen in the following table 4.5

Table 4.5 Score of Students Post-test

| N$\mathbf{0}$ | Subject | Post-test Score |  |  |  |  |  |  |  |  |  | Total <br> Score |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |  |
| 1 | AKE | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 90 |
| 2 | ANMS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 90 |
| 3 | APP | 10 | 10 | 0 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 80 |
| 4 | AAS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 100 |
| 5 | AN | 10 | 0 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 90 |
| 6 | EFR | 10 | 10 | 10 | 0 | 10 | 10 | 10 | 10 | 10 | 0 | 80 |
| 7 | EV | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 10 | 10 | 90 |
| 8 | FB | 0 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 10 | 0 | 70 |
| 9 | HN | 0 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 90 |
| 10 | LDP | 10 | 0 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 90 |


| 11 | MBS | 10 | 10 | 0 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 80 |
| :---: | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 | MDRD | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 10 | 0 | 0 | 70 |
| 13 | MEDN | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 100 |
| 14 | MYA | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 90 |
| 15 | NM | 10 | 0 | 10 | 10 | 0 | 10 | 10 | 10 | 10 | 0 | 70 |
| 16 | PD | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 100 |
| 17 | RANJ | 10 | 10 | 10 | 10 | 0 | 10 | 0 | 10 | 10 | 10 | 80 |
| 18 | TASD | 10 | 10 | 10 | 0 | 0 | 10 | 10 | 10 | 10 | 0 | 70 |
| 19 | VNA | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 100 |
| 20 | VN | 10 | 10 | 10 | 0 | 10 | 10 | 10 | 10 | 10 | 10 | 90 |

From results of the students' score on the post-test according to the students' score criteria above. It could be explained that there were 4 students had a average score. It means, 4 students got a score of 70.0 in the post-test. 4 students had a good score. It means, 4 students got a score of 80.0. And 12 students had a excellent score. It means, 12 students got a score of 90.0 and 100.0. After that, the researcher calculated the average score of all student total scores by means of all student total scores divided by the number of all students, such as the following formula:

$$
\bar{x}=\frac{\sum x}{n}=\frac{1720}{20}=86.0
$$

The mean score of students post-test was 86.0

Table 4.6 Descriptive Statistic of Post-test

## Statistics

VAR00002

| NValid <br> Missing | 20 |
| :--- | ---: |
| Mean | 0 |
| Median | 86.0000 |
| Mode | 90.0000 |
| Std. Deviation | 90.00 |

a. Multiple modes exist. The smallest value is shown

Seen from table 4.6. The researcher is showed that the results of the mean, median and mode score after getting the Story Mapping Technique treatment that is when doing a post-test, students' score experience a lot of improvement in reading skill competency levels, especially narrative text rather than the results when doing the pre-test conducted before getting the Story Mapping Technique treatment. The researcher is showed that the mean score of post-test was 86.0 ; the purpose of the explanation was the average score of the post-test score of 20 students was 86.0. From the results of the mean, it can be concluded that the mean level of student competency scores in reading skills, especially narrative text, has a level score that is good, so the mean level of competency scores got by students is good score level. The median score of post-test was 90.0 . With the median result, it can be concluded that the boundary between the 2 student competency score levels which score was got from the $50 \%$ score division of the top student
score and $50 \%$ score division of the down student score so that the median could be 90.0 and it is the excellent score level. The result of the score mode of post-test was 90.0 . The mode is the value that often appears or the highest frequency score. It is seen from the post-test score to measure the level of students' reading skill, most students in this post-test get a score of 90.0 which score is included in the excellent score level. And the result of the standard deviation in the assessment of the student's post-test score above was 10.462 .

Table 4.7 Frequency of Post-test score

VAR00002

|  | Frequency | Percent | Valid <br> Percent | Cumulative Percent |
| ---: | ---: | ---: | ---: | ---: |
|  |  | 4 | 20.0 | 20.0 |

Figure 4.2 Histogram of Post - test

## Histogram



Seen from table 4.7, it can be shown that 4 students ( $20.0 \%$ ) got score 70.0, meaning that of the explanation was the students at SMPN 1 SUMBERGEMPOL in their reading skills ability got a score level is the average score level. There were 4 students ( $20.0 \%$ ) got score 80.0 , meaning that the students at SMPN 1 SUMBERGEMPOL in the reading skills ability got a score level is the good score level. There were 8 students (40.0\%) got score 90.0, meaning that the students at SMPN 1 SUMBERGEMPOL in the reading skills ability got a score level is excellent score level and it became the mode score that
the highest frequency scores. There were 4 students (20.0\%) got score 100.0, meaning that the students at SMPN 1 SUMBERGEMPOL in the reading skills ability got a score level is the excellent score level.
3) The Effectiveness of Students' Reading Skill before and after

## Treatment using Story Mapping Technique

After the researcher got the results of the pre-test and post-test, namely in the form of a score. Then, the researcher conducted something that was analyzing data from the score that has been got. Here, data analysis was used by researchers to find out the difference between the scores got before and after getting the story mapping technique treatment by determining the gain "d" (post-test - pre-test) and the overall gain score $\left(d^{2}\right)$. The results of determining the difference between post-test and pre-test are significant in the table (4.8) below.

Table 4.8 The Significant Difference before and after Treatment using

## Story Mapping Technique

| No | Subject | Pre - test | Post -test | Gain (d) post-test <br> -pre-test | $\boldsymbol{d}^{\mathbf{2}}$ |
| :---: | :--- | :---: | :---: | :---: | :---: |
| 1 | AKE | 70 | 90 | 20 | 400 |
| 2 | ANMS | 80 | 90 | 10 | 100 |
| 3 | APP | 80 | 80 | 0 | 0 |
| 4 | AAS | 80 | 100 | 20 | 400 |
| 5 | AN | 80 | 90 | 10 | 100 |
| 6 | EFR | 70 | 80 | 10 | 100 |
| 7 | EV | 80 | 90 | 10 | 100 |


| 8 | FB | 70 | 70 | 0 | 0 |
| :---: | :--- | :---: | :---: | :---: | :---: |
| 9 | HN | 80 | 90 | 10 | 100 |
| 10 | LDP | 80 | 90 | 10 | 100 |
| 11 | MBS | 80 | 80 | 0 | 0 |
| 12 | MDRD | 70 | 70 | 0 | 0 |
| 13 | MEDN | 80 | 100 | 20 | 400 |
| 14 | MYA | 70 | 90 | 20 | 400 |
| 15 | NM | 70 | 70 | 0 | 0 |
| 16 | PD | 70 | 100 | 30 | 900 |
| 17 | RANJ | 80 | 80 | 0 | 0 |
| 18 | TASD | 70 | 70 | 0 | 0 |
| 19 | VNA | 80 | 100 | 20 | 400 |
| 20 | VN | 80 | 90 | 10 | 100 |
|  |  | $\mathbf{X = 1 5 2 0}$ | $\mathbf{Y}=\mathbf{1 7 2 0}$ | $\sum \boldsymbol{d = \mathbf { 2 0 0 }}$ | $\sum \boldsymbol{d}^{\mathbf{2}}=\mathbf{3 6 0 0}$ |

a. Identify mean

$$
d=\frac{\sum d}{n}=\frac{200}{20}=10
$$

The identify mean was 10

## b. Identify t-score

$$
\begin{aligned}
t & =\frac{\bar{D}}{\sqrt{\frac{\sum D^{2-} \frac{\left(\sum D\right)^{2}}{N(N-1)}}{N}}} \\
& =\frac{10}{\sqrt{\frac{3600-\frac{200^{2}}{20(20-1)}}{2}}} \\
& =\frac{10}{\sqrt{\frac{3600-2000}{380}}} \\
& =\frac{10}{\sqrt{\frac{1600}{380}}} \\
& =\frac{10}{\sqrt{4.21}} \\
& =\frac{10}{2.05}=4.86
\end{aligned}
$$

## c. Degree of freedom

$$
\begin{aligned}
d f & =n-1 \\
& =20-1=19
\end{aligned}
$$

The results of the above will be the same when the researcher conducted statistical tests by using computation paired sample t-test in the SPSS 16.0 as follows:

Table 4.9 Paired Sample Statistics

Paired Samples Statistics

|  |  | Mean | N | Std. Deviation | Std. Error Mean |
| ---: | ---: | ---: | ---: | ---: | ---: |
| Pair 1 | PRETEST | 76.0000 | 20 | 5.02625 | 1.12390 |
|  | POSTTEST | 86.0000 | 20 | 10.46297 | 2.33959 |

Explanation of the data above explained the results performance of students' reading skill scores produced before and after getting the story mapping technique treatment. Here the total of all students $(N)$ both pre-test and post-test were 20 students. The average result of the pre-test score was 76.0000 . The data distribution (Std. Deviation) got from the mean score of the pre-test conducted by 20 students is 5.02625 by producing a standard error mean of 1.12390 . And the average result of the post-test score was 86.0000 . The data distribution (Std. Deviation) got from the mean score of the post-test conducted by 20 students is 10.46297 by producing a standard error mean of 2.33959 . This shows the post-test is higher than the pre-test. But the post-test data distribution range also becomes wider and with higher standard errors. So, it can be concluded that the results of the post-test have increased

Table 4.10 Paired Sample Correlations

Paired Samples Correlations

|  | N | Correlation | Sig. |  |
| :--- | ---: | ---: | ---: | :--- |
| Pair 1 $\quad$ PRETEST \& POSTTEST | 20 | .480 | .032 |  |

Explanation of the data above explained the results of correlations students' reading skill scores produced before and after getting the story mapping technique treatment. Here, the totals of students both pre-test and post-test were 20 students. The correlation result of between the pre-test and post-test were .480 . The significant result of between the pre-test and post-test were .032 .

Table 4.11 Paired Sample Test

Paired Samples Test


Explanation of the data on the table 4.11, paired samples test explains the results of the comparison analysis using a test that was $t$-test. The difference means score of between the pre-test and post-test was 1.00000 . The difference Standard deviation score of between the pre-test and post-test was 9.17663 , mean standard error was 2.05196 , the lower different was -14.29479 , while the upper different was -5.70521. The result tcount was 4.873 (symbol of minus is ignored) with df was 19 and significance (2-tailed) was 0.000 .

It can be interpreted that the significance (2-tailed) value was smaller than the significance level, namely $(0.00<0.05)$. So it can be concluded that the Story Mapping Technique can increase the students' reading skill especially narrative text and it is effective toward students' reading skill.

Then, the researcher got the results of the tcount comparison with the table which results from degree of freedom $(d f)=\mathrm{N}-1=20-1=19$, so it can be concluded that $d f$ was 19 according to the formula results. In the score table the researcher saw that the score table was 4,860 . By comparing "t" the researcher has got the calculation that tcount was 4,873 and table was 4,860 . So it can be interpreted that the score tcount is bigger than the score of the table that was $(4,873>4,860)$. So it can be concluded that the alternative hypothesis was accepted while the null hypothesis was rejected from the results.

It can be seen clearly that significant different in students' reading skills before and after getting treatment by using story mapping technique.

## B. Hypothesis Testing

In the experimental study, hypothesis testing was divided into 2 namely the null hypothesis and alternative hypothesis.

## a. Null Hypothesis (Ho)

It can be called null hypothesis if tcount is smaller than table, so the null hypothesis is accepted while the alternative hypothesis is rejected. The reason for this was because the comparison was not significant between the scores of students' reading skills before and after being given treatment by mapping the eighth grade students at SMPN 1 SUMBERGEMPOL.

## b. Alternative Hypothesis (Ha)

It can be called alternative hypothesis if toount is bigger than table, so the alternative hypothesis is accepted while the null hypothesis is rejected. The reason for this is because the comparison was significant between the scores of students' reading skills before and after being given treatment by mapping the eighth grade students at SMPN 1 SUMBERGEMPOL.

In the hypothesis testing, if the null hypothesis (Ho) was rejected so the alternative hypothesis (Ha) was accepted while if the null hypothesis (Ho) was accepted so the alternative hypothesis was rejected. So that the researcher known the significant level is bigger or smaller than the table, the researcher used SPSS statistics 16.0 after knowing the results; the researcher explained that the hypothesis was the null hypothesis or alternative hypothesis.

By calculating data using SPSS 16.0, it can be seen that the value results from tcount was 4.873 while table was 4.860 . So, the toount is bigger than table ( 4.873
> 4.860). It can be concluded that alternative hypothesis was significant between the scores of students' reading skills ability before and after being given treatment by story mapping technique was accepted. But, null hypothesis was significant between the scores of students' reading skills ability before and after being given treatment by story mapping technique was rejected. It can be concluded if there was significant between the scores of students' reading skills ability before and after being given treatment by mapping the eighth grade students at SMPN 1 SUMBERGEMPOL. With this, it can be ascertained that story mapping technique was very effective to be used in students' reading skills especially narrative text. And with increasing students' reading scores using story mapping technique, this technique is expected to be used in teaching reading especially for the eighth grade at SMPN 1 SUMBERGEMPOL.

## C. Discussion

The object to be researched in this study is to find the score of reading skill of the students on the eighth grade (VIII A) at SMPN 1 SUMBERGEMPOL before and after being given treatment by story mapping technique. The researcher found a very drastic difference in students' reading skill scores before and after being got treatment by story mapping technique. The difference in scores that have a very drastic improvement experienced by students, because using story mapping techniques in narrative text students feel interested and they are easier to understand the narrative text they read.

The researcher used test as instrument of the study to get the data and the method to collect the data is administering test. The researcher used multiple choice tests as instrument in collecting data. The researcher conducted some steps
to attain the objectives of the researcher. The researcher did some steps, there are administering pre-test, giving treatment in VIII A class, and administering posttest.

Based on the score that the researcher got from pre-test and post-test. The researcher analyzed the data by using paired sample t-test on SPSS 16.0. The output paired sample statistic shown that the mean score pre-test is 76.0 and the mean score post-test is 86.0 which can be interpreted that the reading skill of the students had been improved after getting treatment Story Mapping technique. The difference means score of between the pre-test and post-test was 1.00000 . The difference Standard deviation score of between the pre-test and post-test was 9.17663, mean standard error was 2.05196 , the lower different was - 14.29479, while the upper different was -5.70521 . On the output of paired sample test shown that the score of tcount is 4.873 with the df 19 , the score of level significance is 0.000 and the score of table for standard significant $5 \%(0.05)$ and df 19 is 4.860 . Based on the data, the researcher knows that tcount bigger than table ( $4.873>4.860$ ) means that the null hypothesis (Ho) was rejected, alternative hypothesis (Ha) is accepted, and the level of significance less than $0.05(0.000<0.05)$ means that the null hypothesis (Ho) is rejected, alternative hypothesis (Ha) was accepted. It be concluded that there is significant different scores of the students in reading skill before and after giving treatment by Story Mapping technique of the eight grade students, especially VIII A students at SMPN 1 SUMBERGEMPOL. It means that the Story Mapping is effective toward students' reading skill.

The researcher modified the graphic of Story Map for reading skill that appropriate with the eighth grade to make them interested. There are many kind of

Story Mapping figures. And this Story Mapping technique can be used effectively in the classroom to increase students' reading skill the eighth grade.

The finding is related with the previous study that is using Story Mapping technique to teach reading skill. In the previous study using Story Mapping technique can have a positive impact on the success of teaching reading skills in narrative text by conducting descriptive research. Kukuh Prakumasari (2015) state that one of the result of Story Mapping technique is the students are more motivated to learn. They are more active and interested in teaching - learning process.

Based on the explanation above, teaching reading by Story Mapping technique is good to improve students' reading skill of the eighth grade at Junior High School. From the result of data analysis, the null hypothesis (Ho) is rejected, alternative hypothesis (Ha) was accepted. There is significant different scores of the students in reading skill before and after giving treatment by Story Mapping technique. It can be conclude that Story Mapping technique is effective toward students' reading skill of the eighth grade at SMPN 1 SUMBERGEMPOL.

