

**CHAPTER IV**  
**RESEARCH FINDING AND DISCUSSION**

This section presents research finding and discussion. It consists of research finding, hypothesis testing and discussion.

**A. Research Finding**

**a. Description of Data**

In this section, the researcher presents the student's writing achievement before and after taught by using WH question as a technique in the teaching writing. The subjects of the research were 13 students of the Eighth Grade of SMP Hasan Munahir Karangany Trenggalek. The purpose of the researcher is to know the effectiveness of WH question to generate ideas in writing recount text at the eighth grade students of SMP Hasan Munahir Karangany Trenggalek.

The pre-test in this experimental group was given by asking students to write a personal experience in a piece of paper. There were 13 students as subject. This test is to know the students writing skill achievement before students got treatment. The data of the students' achievement before taught by using WH question technique can be seen at appendix.

**Table 4.1 Marking Scale of Narrative**

**Writing Rubric – Recount**

**Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Content	Organization	Vocabulary	Mechanics
It includes thesis	It includes the	It includes the	It includes spelling,

statement, related ideas, development of ideas, and development of ideas through personal experience, illustration, facts, and opinions.	effectiveness of introduction, logical sequence of ideas, conclusion and appropriate length.	vocabulary that used by the students	punctuation, and citation of references, neatness and appearance.
1-10	1-10	1-10	1-10

<b>Marking Scale of Narrative</b>				
0 = E	10 = D	20 = C	30 = B	40 = A

**Table 4.2 Descriptive Statistic of Pre-test**

**Statistics**

VAR00001

N	Valid	13
	Missing	0
Mean		15.3846
Median		10.0000
Mode		10.00
Std. Deviation		6.60225

Based on the table 4.2 above that consist of 13 students. It is shown that mean score 15.3846, is mean that the average of 13 students are got 16. Based on the criteria of student score 16 is enough score. The median score is 10 and the mode is 10. The mode is simply that value which has the highest frequency. It

means that the most frequent score is 10 indicated that many students got poor score.

**Table 4.3 Frequency of Pre-test**

**VAR00001**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 10	7	53.8	53.8	53.8
20	5	38.5	38.5	92.3
30	1	7.7	7.7	100.0
Total	13	100.0	100.0	

Based on the table 4.3 can see that seven students got score 10, it means that the ability of students' writing skill of SMP Hasan Munahir Karangany Trenggalek is enough. Five students got score 20 and have good ability in writing skill. Then one student got score 30 it means that the students have very good ability in writing skill.

The post-test was given by asked the students to write a personal experience story about the holiday based on WH question as a technique in writing skill. There were 13 students as subject of research. It was done after treatment process by giving WH question technique. In this test was intended to know the students writing ability using WH question as a technique in writing class. The data of the students' achievement of post-test can be seen at the appendix.

**Table 4.4 Descriptive of Post-test**

**Statistics**

VAR00002

N	Valid	13
	Missing	0
Mean		25.3846
Median		20.0000
Mode		20.00
Std. Deviation		6.60225

Based on the table 4.4 above can be seen that the students consist of 13 students. It shown that the mean score 25.3846 its mean that the average of 13 students are get score is 26 means that the students got very good score and can generate their ideas in writing skill well. The median score is 20. In this case the mode score is 20. It means that the most frequent score is 20 so there are many students got good score.

**Table 4.5 Frequency of Post-test**

**VAR00002**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 20	7	53.8	53.8	53.8
30	5	38.5	38.5	92.3
40	1	7.7	7.7	100.0
Total	13	100.0	100.0	

Based on the table 4.5 can be seen that seven students got score 20 its mean the students have good score in writing ability. Five students got score 30 its

mean the students have very good score in writing ability. One student got score 40 its mean that the students have excelent score in writing ability.

Therefore, there are differences of data presentation between before and after taught by using WH question in writing ability. The data present that the score after taught by using WH question better and higher than taught before using WH question.

## **B. Hypothesis Testing**

The hypothesis testing of this study is as follow:

a . If the significant level is bigger than T-table (0.05%), the alternative hypothesis (Ha) is accepted and null hypothesis (Ho) is rejected. It means that there is different score to the students before being taught by using WH question and after being taught by using WH question. The different is significant.

b . If the significant level is more than 0.05, the null hypothesis (Ho) is accepted and alternative hypothesis (Ha) is rejected. It means that there is no different score to the students before being taught by using WH question and after taught by using WH question. There is not significant.

To know whether the significant level is bigger or smaller than T-table the researcher analyze the data by using SPSS statistic 16.0 for windows.

## **C. Data Analysis**

Data analysis was done to know the different score before test and after test by searching score after test and score before test. The researcher uses statistical test

using Paired Sample T Test stated by SPSS 16.0 to ensure the effectiveness of WH question to generate ideas in writing recount text. The result is as follows:

**Table 4.6 Paired Sample Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	VAR0000 1	15.3846	13	6.60225	1.83114
	VAR0000 2	26.1538	13	6.50444	1.80401

Based on the table above, output Paired Sample statistics shows mean of pre-test is 15.38 and mean of post-test is 26.15, while N for each other are 13. Meanwhile, standard deviation for pre-test 6.60 and standard deviation for post-test 6.50. Standard error mean for pre-test is 1.83, while for post-test of standard error deviation is 1.80.

**Table 4.7 Paired Sample Correlations**

		N	Correlation	Sig.
Pair 1	VAR00001 & VAR00002	13	.911	.000

Based on the table above, output Paired Sample Correlation shows the large correlation shows the large correlation between samples, where can be seen numeral both correlations is 0. 911 and numeral of significance 0.001. For interpretation of decision based on the result of probability achievement, that is:

- a. If the probability  $> 0.05$  then the hypothesis null can't be rejected
- b. If the probability  $< 0.05$  then the hypothesis null rejected

It means, the large numeral significance 0.001 smaller from 0.05 so that the hypotheses clarify WH question is a technique that effective to generate ideas in writing recount text.

**Table 4.8 Table Sample Test**

		Paired Differences							
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
					Lower	Upper			
Pair 1	VAR0000 1 - VAR0000 2	-1.076921	2.77350	.76923	-12.44524	-9.09322	-14.000	12	.000

Based on the table above, it can be seen that the T count is 14.000 with the df is 12. The difference mean score of pre-test and post-test is -1.076921. The result of  $t_{count}$  is 14.000. The negative which appear in  $t_{Count}$  above means the mean before treatment is lower than after treatment. Therefore, WH question is a technique to generate ideas in writing for the students.

Then the researcher gave interpretation to  $t_0$ . First the researcher considered the  $db$ ,  $db = N-1$ , in here  $db$  is 12. The researcher consulted to the score in the t-table. At the significant level of .000, the score of t-table is 1.782. By comparing the “t” that the researcher has got calculation  $t_{Count}$  is 14.000 and

the value of “t” on the t-table  $t_0$  is 1.782. From the calculation above,  $t_{\text{Count}}$  is bigger than t-table ( $14.000 > 1.782$ ).

From the calculation above,  $t_{\text{Count}}$  is bigger than  $t_{\text{table}}$  the alternative hypothesis ( $H_a$ ) is accepted and the null hypothesis is rejected, it means that there is different writing ability score of eighth grade students of SMP Hasan Munahir Karangn Trenggalek between before and after being taught by using WH question.

#### **D. Discussion**

From the data analysis, the objectives of the study if to know if there is an effect applying WH question in teaching writing at the eighth Grade of SMP Hasan Munahir Karangn Trenggalek in academic year 2014/2015.

Based on the researcher method, in teaching learning process was divided into three steps. First step is giving pre-test for the student to know the students' writing ability before taught by using WH question. The second step was giving treatment to the students, the treatment here was teaching writing by using WH question. For the last step is was giving post-test, in the post-test the students were given a test to know their writing ability after they were treated by using WH question as a technique.

Based on the result of the statistical computation using T-test, the result show that there is significant differences between pre-test and post-test score. The result of T-test is 14.000. If the T-test is compared to T-table with the degree of freedom 12 as stated hypothesis testing, the T-test 14.000 is higher than the T-table 1.782. Therefore, based on the hypothesis testing, the ( $H_a$ ) is accepted and



the (Ho) is rejected, the theory is verified. It means that WH question as a technique in teaching writing is effective.

The use of technique in teaching learning process is very important, so the teacher should chose the technique for teaching learning, especially for teaching writing. A technique in teaching learning process can help the teacher to teach more easily and help the students understand. One of technique that is easy to apply in teaching writing recount text is WH question. According to Edward Anthony in Richards (1986 : 15) identified that WH question is a good way to turn a broad subject into a limited and more manageable topic for a short essay. Moreover, WH question can help the students generate their ideas before they write a paragraph.

Based on the explanation above, WH question technique surely showed the real effectiveness in teaching writing ability because it can help the students to generate their ideas in writing ability at the eighth Grade students of SMP Hasan Munahir Karangany Trenggalek.