

CHAPTER IV

RESEARCH FINDINGS AND DISCUSSION

This chapter presents the findings as the result of analyzing the data. Therefore, this chapter discusses data description, hypothesis testing, and discussion.

A. Data Description

In this chapter the writer want to know the effectiveness of using hand Puppet as media on the students' achievement in writing narrative text,the writer did the research by conducting the pre-test and post-test. It was given to VIII-D as experimental class consisted of 28 students and VIII-C as control class consisted of 27 students.

The test in this research consists of written narrative text. The pre-test conducted before giving treatment by hand puppet in experimental class and no treatment in controlled class. The result of pre-test showed that students achievement in writing. After getting the result of pre-test, the writer gave treatment for the students by hand puppet media in experimental class and no media in controlled class. When being the teaching and learning process, the students felt curious to join the class and they are very interest during the lesson. After doing the treatment, the writers gave a post-test. To describe the data, the writer showed the criteria of score of the students test result. Table the criteria of the score as follow:

Table 4.1 Criteria of the Score

No.	Grade	Qualification	Range of scores
1	A	Excellent	100 – 85
2	B	Good	84 – 70
3	C	Average	69 – 55
4	D	Poor	54 – 50
5	E	Very poor	49 – 0

The writer gave pre-test and post-test through the not same test format in narrative test which are administered to students in experimental class were asked to write a narrative text by using hand puppet. Meanwhile, students in controlled class were asked to write a narrative text without using hand puppet. The students score in both pre-test and post-test were presented in the follows:

1. The Students' Achievement by Using Hand Puppet as Media in Teaching Narrative Text

a) Pretest of Experimental class

Experiment class is a class which was given a treatment in writing narrative text by using hand puppet as media. Before the researcher gave the treatment, the researcher administered a pretest of writing narrative text as a pretest that administered for the control class. The subject of pretest in experiment class consisted of 28 students. The highest score was 76 and the lowest score was 58. For the detailed students' pretest score in experiment class . By using SPSS program 16.0 version, it was known that the mean of students' score in pretest was 65.9286 ; the mode was 64.00 and the median was 64.0000.

Table 4.2 Descriptive Statistic of Pretest

Statistics

pretest_experimental

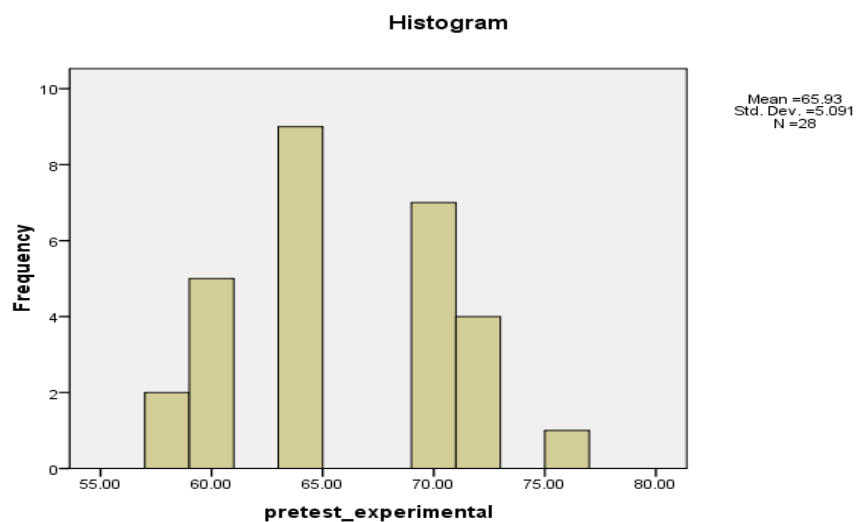
N Valid	28
Missing	0
Mean	65.9286
Median	64.0000
Std. Deviation	5.09123

Table 4.3 Frequency of Pretest

pretest_experimental

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	58	2	7.1	7.1	7.1
	60	5	17.9	17.9	25.0
	64	9	32.1	32.1	57.1
	70	7	25.0	25.0	82.1
	72	4	14.3	14.3	96.4
	76	1	3.6	3.6	100.0
	Total	28	100.0	100.0	

Figure 4.1 can be shown in the form of histogram below



Based on the data of table 4.3, the researcher know that 2 students get score 58, 5 student get score 60, 9 student get score 64, 7 student get score 70, 4 student get score 72, 1 student get score 76.

b) Posttest of experimental class

Administering a posttest in writing narrative text for experimental class was done to know the improvement of students' achievement in writing narrative text although the learning activity was by using hand puppet as media. The subject of posttest in experimental class consisted of 28 students. The highest score was 84 and the lowest score was 60. By using SPSS program 16.0 version, it was known that the mean of students' score in posttest was 72.6429; the mode was 76.00 and the median was 72.0000.

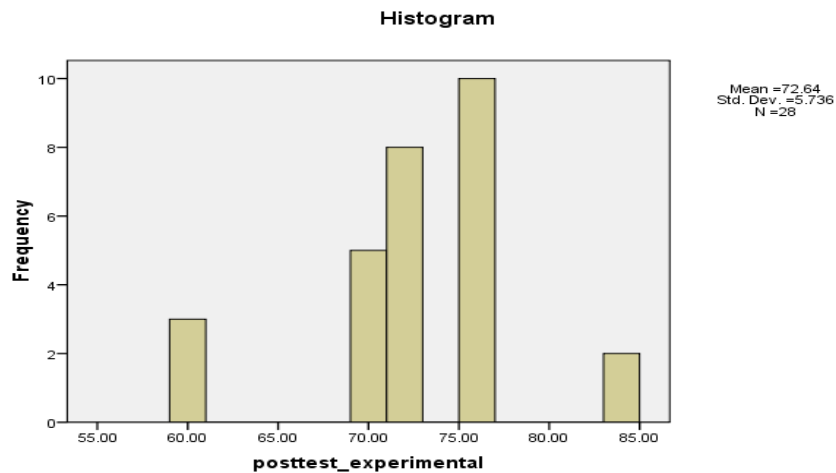
Table 4.4 Descriptive Statistic of Posttest

Statistics		
posttest_experimental		
N	Valid	28
	Missing	0
	Mean	72.6429
	Median	72.0000
	Mode	76.00
	Std. Deviation	5.73627

Table 4.5 Frequency of Posttest

posttest_experimental					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	60	3	10.7	10.7	10.7
	70	5	17.9	17.9	28.6
	72	8	28.6	28.6	57.1
	76	10	35.7	35.7	92.9
	84	2	7.1	7.1	100.0
	Total	28	100.0	100.0	

Figure 4.2 can be shown in the form of histogram below.



Based on the data of table 4.5, the researcher know that 3 students get score 60, 5 student get score 70, 8 student get score 72, 10 student get score 76, 2 student get score 84.

2. The Students' Achievement when They Are Taught without Using Hand Puppet as Media in Teaching Narrative Text

a. Pretest of Control Class

Control Class is a class which was given a treatment in writing narrative text without using hand puppet as media. The teaching and learning activity was done by the researcher as usual or using without media. Before the researcher gave the treatment, the researcher administered a pretest for the control class. The subject of pretest in control class consisted of 27 students. The highest score was 72 and the lowest score was 52. For the detailed students' pretest score in control class. By using SPSS program 16.0 version, it was known that the mean of

students' score in pretest was 62.5926; the mode was 64.00; and the median was 64.0000.

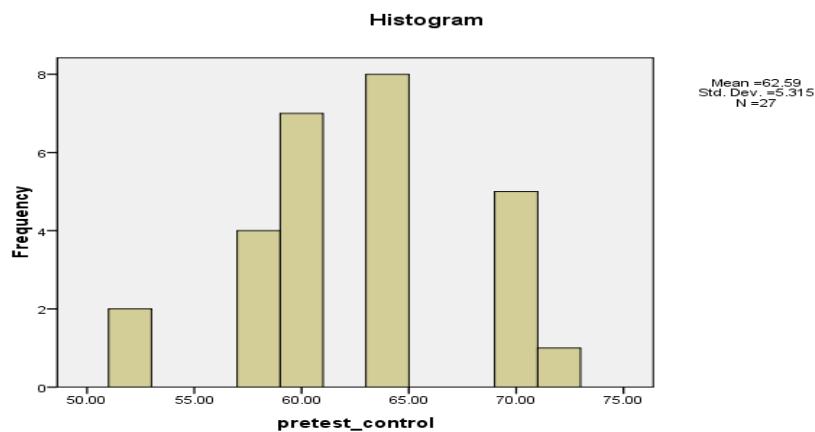
Table 4.6 Descriptive Statistic of Pretest

Statistics		
pretest_control		
N	Valid	27
	Missing	0
Mean		62.5926
Median		64.0000
Std. Deviation		5.31514

Table 4.7 Frequency of Pretest

pretest_control					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	52	2	7.4	7.4	7.4
	58	4	14.8	14.8	22.2
	60	7	25.9	25.9	48.1
	64	8	29.6	29.6	77.8
	70	5	18.5	18.5	96.3
	72	1	3.7	3.7	100.0
	Total	27	100.0	100.0	

Figure 4.3 can be shown in the form of histogram below



Based on the data of table 4.7, the researcher know that 2 students get score 52, 4 student get score 58, 7 student get score 60, 8 student get score 64, 5 student get score 70, 1 student get score 72.

b. Posttest of Control Class

Administering a posttest in writing narrative text for control class was done to know the improvement of students' achievement in writing narrative text although the learning activity was without using hand puppet as media. The subject of posttest in control class consisted of 27 students. The highest score was 76 and the lowest score was 60. By using SPSS program 16.0 version, it was known that the mean of students' score in pretest was 67.7037 ; the mode was 70.00; and the median was 70.0000.

Table 4.8 Descriptive Statistic of Posttest

Statistics

posttest_control

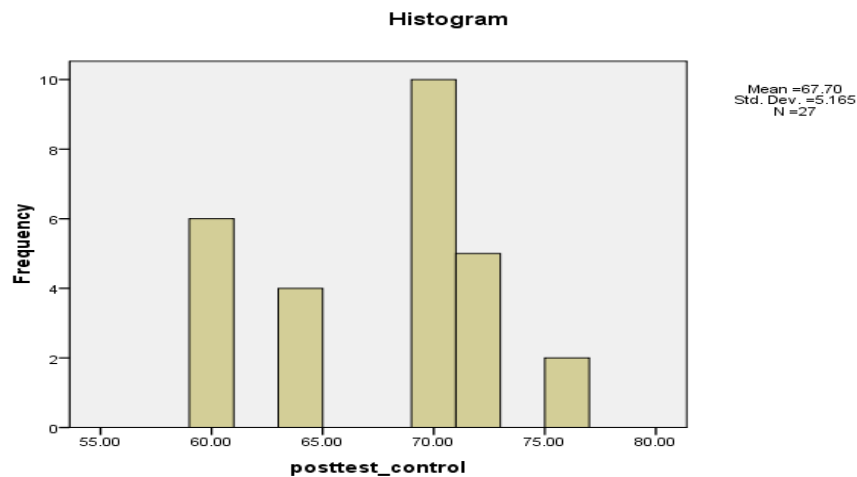
N	Valid	27
	Missing	0
Mean		67.7037
Median		70.0000
Std. Deviation		5.16508

Table 4.9 Frequency of Posttest

posttest_control

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 60	6	22.2	22.2	22.2
64	4	14.8	14.8	37.0
70	10	37.0	37.0	74.1
72	5	18.5	18.5	92.6
76	2	7.4	7.4	100.0
Total	27	100.0	100.0	

Figure 4.4 can be shown in the form of histogram below



Based on the data of table 4.9, the researcher know that 6 students get score 60, 4 student get score 64, 10 student get score 70, 5 student get score 72, 2 student get score 76.

3. The Difference of Statistical Data in Posttest of Control and Experimental Class.

Based on the result of students' pretest score of control and experimental class were normal and homogeneous so the reseacher only compared the students' score of post-test.

The researcher compared students' score of posttest of both class that consisted of the highest score, the lowest score and the mean score in writing narrative text. After that the researcher found out the score of each class from students' score in posttest to know whether the students' achievement was getting

down, same or different. The result of difference of statistical data in posttest of control class and experimental class can be seen in the table below.

Table 4.10 Descriptive Statistic of Control and Experimental Group

		Statistics	
		posttest_control	posttest_experimental
N	Valid	27	28
	Missing	1	0
Mean		67.7037	72.6429
Median		70.0000	72.0000
Mode		70.00	76.00

Based on the table above, it can be seen the difference of the students' score in posttest of control and experimental class in writing narrative text. In posttest of control class showed that the highest score was 76, the lowest score was 60 and the mean score was 67.7037, while in posttest of experimental class showed that the highest score was 84, the lowest score was 60 and the mean score was 72.6429.

The result above showed that the experimental class who were taught writing in narrative text by using hand puppet as media was higher than the control class who were taught writing in narrative text without using hand puppet as media. It showed that there was significant difference of the students' achievement in writing narrative text that were taught writing in narrative text by using hand puppet as media and those were taught writing in narrative text without using hand puppet as media. In other words, the using hand puppet as

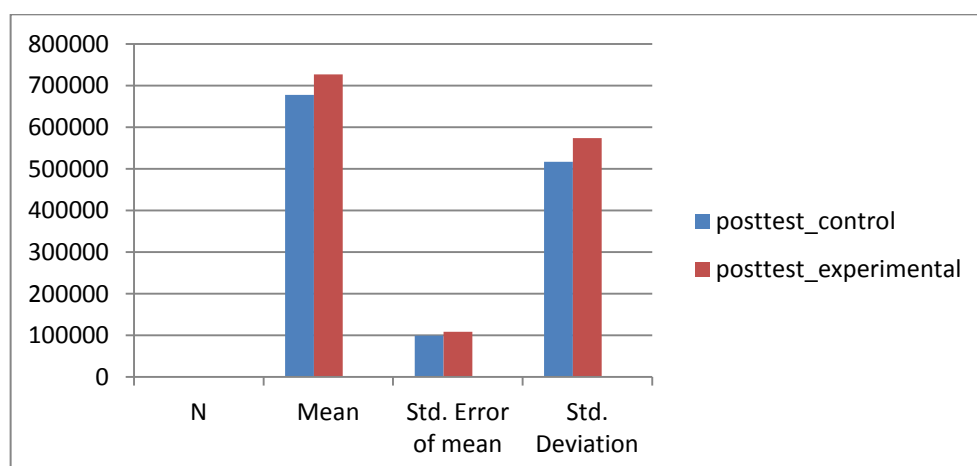
media in teaching narrative text was effective to improve the students at the eighth of MTs Darul Huda Wonodadi on academic year 2016/2017.

In this research, the researcher used statistical test using computation Independent Sample T Test by SPSS 16.00. It is used to know the effectiveness of using hand puppet as media in teaching writing narrative text. These subjects were referred to as independent because they are independently from the different subject. The result as follow:

Table 4.11 Group Statistics of Two Groups

		Statistics	
		posttest_control	posttest_experimental
N	Valid	27	28
	Missing	1	0
Mean		67.7037	72.6429
Std. Error of Mean		.99402	1.08405
Std. Deviation		5.16508	5.73627

Figure 4.5 can be shown in the form of histogram below



Based on the table 4.11, the data presented the performance scores of the members of two groups which the students who were taught writing narrative text without using hand puppet as media and those were taught writing narrative text by using hand puppet as media. output independent sample statistics shows that there are mean scores differences between the control class and the experimental class. The mean score of control class is 67.7037 and the mean score of experimental class is 72.6429. The member of students (N) in the control class is 27 and in the experimental class is 28. The standard deviation of control class is 5.16508 and the error mean.99402. On the experimental class, the standard deviation is 5.73627 and the error mean is 1.08405.

B. Hypothesis Testing

The hypotheses testing of this research are as follow:

1. If t_{count} is bigger than t_{table} , the alternative hypothesis (H_a) is accepted and the null hypothesis (H_0) is rejected.

It means that there is different score of students' achievement in writing narrative text who was taught without and using hand puppet as media. The different is significant.

2. If t_{count} is smaller than t_{table} the alternative hypothesis (H_a) is rejected and the null hypothesis (H_0) is accepted.

It means that there is no different score of students' achievement in writing narrative text who was taught without and using hand puppet as media. The different is not significant

To know whether the t_{count} is bigger or smaller than t_{table} , the researcher analyzed the data by using SPP 16.0.

Table 4.12 The Result of Analyzing Independent Sample T Test

Group Statistics					
Class		N	Mean	Std. Deviation	Std. Error Mean
Nilai	Control class	27	67.7037	5.16508	.99402
	Experimental class	28	72.6429	5.73627	1.08405

Table 4.13 The Result of Analyzing Independent Sample T Test

Independent Samples Test										
		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	T	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Nilai	Equal variances assumed	.316	.576	-3.352	53	.001	-4.93915	1.47365	-7.89492	-1.98339
	Equal variances not assumed			-3.358	52.759	.001	-4.93915	1.47080	-7.88952	-1.98879

Interpretation for the data can be done by concerning on the value of t_{count} and significant value (Sig). The researcher uses both of them to analyze the data and the test the hypothesis. In this case, t_{count} is compared to t_{table} whereas if $-t_{\text{table}} < t_{\text{count}} < t_{\text{table}}$ or $t_{\text{count}} > t_{\text{table}}$, so null hypothesis (H_0) is rejected and if $-t_{\text{table}} \leq t_{\text{count}} \leq t_{\text{table}}$, so null hypothesis (H_0) is accepted (Priyatno, 2008:77). In addition, in

interpreting significance value, if it is higher than 0.05 ($\text{Sig} > 0.05$), H_0 is accepted while if it is lower than 0.05 ($\text{Sig} < 0.05$) H_0 is rejected. In other words, H_0 is rejected if $\text{Sig} < 0.05$ and $t_{\text{count}} > t_{\text{table}}$.

On the table 4.13 shows the result of output independent sample T test. The number of t_{count} is -3.352 and t_{table} is 2.00575. The result of computation is $-3.352 < -2.005$ ($3.352 > 2.005$) while the significance value < 0.05 ($0.004 < 0.05$), so H_0 is rejected and H_a is accepted. This means that H_a which states that there is significant different achievement of students' writing narrative text at the eighth grade of MTs Darul Huda Wonodadi in academic year 2016/2017 in writing narrative text who was taught without and using hand puppet as media and those are taught using hand puppet as media is accepted. Whereas H_0 which states that there is no significant different achievement of students' writing narrative at the eighth grade of MTs Darul Huda Wonodadi in academic year 2016/2017 in writing narrative text between who are taught writing without using hand puppet as media and those who are taught by using hand puppet as media is rejected.

C. Discussion

In this part, the writer presents the discussion about the data analysis on the research that has been presented in the previous sub chapter. In this case the writer divides discussion about data analysis, which is intended to find out the effectiveness of using hand puppet as media on the students' achievement in writing narrative text, it can be identified through the result of pre-test and post-test experiment class and control class.

Based on the analysis obtained from the students' post-test control the mean score is 67.7037. While the mean score of the students' post-test experiment class is 72.6429. And the result of t_{count} (3.352) is higher than t_{table} (2.005). It indicates that after giving treatment by using hand puppet as media the students have better achievement and the writer has known in the application of treatment the students' attention be focused in learning, and the students easy to understand the lesson. it is related with Lewis (1973:364) hand puppet is easy to understand, memorize, remember and could avoid misunderstanding because the students see the object directly, when the writers teach without hand puppet the situation in classroom is very crowded and the students are not active. Based on Mahoney (1998:72), the purpose of teaching English by using puppets are (a) to develop students' imagination and creativity, (b) to provide opportunities for students to share oral interpretations, and (c) to provide a supportive environment for experimenting with voice and language, like the writer know, when the writer teach with hand puppet the students shows their imagination with ask many question that shows the students active in the class.

Based on the research method in chapter III in this research, the writer conducted in the quasi experimental research design named Nonrandomized Control Group Design. In this research, the first step was administering of pre-test by giving writing narrative text. Pre-test was given to the 55 students of experimental and control group to measure their ability before being given a treatment. The test was given to know basic competence and to know their earlier knowledge before they got treatment. After getting the result of pre-test the two

groups are given a different treatment. The experimental class got a treatment by using hand puppet as a medium during getting the treatment, the students felt interested, enjoy, active, happy and enthusiastic to learn narrative text (prambayun 2016:11). But in control class was taught by using without hand puppet, the students felt confused, and bored in classroom. The last step, the writers was administering of post-test. The post-test were in the form of writing narrative text about The Story of the Smart Parrot and about The Goose and the Golden Eggs. The test was used to measure the students' ability after they were given treatment. The post-test was conduct in the last meeting and only one meeting.

So, the teaching and learning writing process is effective. It is refer to the previous studies focuses on using finger puppet. The first previous study written by Dwi Ratna (2014) conducted in pre-eksperimental design in form of one group pretest posttest in teaching speaking achievement at MTs Sultan Agung Jabalsari Tulungagung. The second one is thesis written by Umi Hanifah (2009) conducted in quasi eksperimental design in teaching written descriptive text at SMPN 2 Mayong. They stated that using puppet was effective and makes students felt interesting, enjoyable, and focus in teaching-learning process. Meanwhile, in this research the researcher using hand puppet as media on the students' achievement in writing narrative text. In this research the researcher conducted an experimental research used was quasi experimental name nonrandomized control group design.

After a calculation in the previous explanation, the result to know was any significant different in writing narrative text score or not, the writer used of statically computing t-test. It can be seen by the result of statistical computing t-

test, the result of t_{score} is 3.352. When the t_{score} is compared to t_{table} with the degree of freedom 53, the t_{score} 3.352 is higher than t_{table} 2.005. Therefore, based on the hypothesis testing, the null hypothesis (H_0) is rejected and alternative hypothesis (H_a) is accepted.

From explanation above, it is very appropriate with the result that in teaching and learning process using hand puppet is effective, especially in teaching writing narrative text. Based on research finding in this research that there are any significant different in writing narrative of students before and after being taught using hand puppet. Thus, it can be concluded that the effectiveness using hand puppet as media on the students' achievement in writing narrative text is effective in teaching learning process on the eight grade MTs Darul Huda Wonodadi in the Academic Year of 2015/2016.