

BAB IV DISCUSSION

A. THE DESCRIPTION OF DATA

The data that the researcher used in this study is oral proficiency scoring categories (Brown, 2001, 406-407) which explaining about five criteria in scoring students' speaking skill through role-play method. In this chapter, the researcher shows the result of test. There are two kinds of test, namely pre-test and post-test.

1. The results of pre-test

a. Pre-test 1

Tabel 4.1

No	Name	Criteria					score
		Grammar	Vocabulary	Comprehension	Fluency	pronunciation	
1	Ahmad Noor Rizal	2	2	2	2	2	40
2	Ahmad Yusuf Maulana	2	2	2	2	2	40
3	Anggah Rosailah	2	3	2	2	2	44
4	Cahaya Maulida Dewi	2	2	2	3	2	44
5	Dewi Masitoh	2	3	2	2	2	44
6	Dimas Adi Pratama	2	3	2	2	2	44
7	Eva Noviani	2	2	2	2	2	40
8	Evira Nor Miftakhilda	2	2	2	2	2	40
9	Faila Suffa Maghdalena	2	2	2	2	2	40
10	Faiz Nur Faizal	2	3	2	2	2	44
11	Ibnu Malik	2	2	2	3	2	44
12	Lisa Malikhatin	2	2	2	2	2	40
13	Maulida Yunitasari	2	2	3	2	2	44
14	Muhammad Alamul Huda	2	2	3	2	2	44
15	Muhammad Jeri	42	2	2	2	2	40

	Purwanto						
16	Muhammad Khasan Luthfi	2	3	2	2	2	44
17	Muhammad Ubaidillah	2	3	2	2	2	44
18	Mutiara Yanuar	2	3	2	2	2	44
19	Nella Masmiya Sari	2	3	2	2	2	44
20	Nur Ilmiah	2	2	2	2	2	40
21	Ovyana Fransisca	2	2	2	2	2	40
22	Rifkiana Rohmania	2	3	2	2	2	44
23	Rizki Eka Aditya Saputra	2	3	2	2	2	44
24	Sabila Rizqiyah	2	2	2	2	2	40
25	Sahal Irfan	2	3	2	2	2	44
26	Santini	2	2	3	2	2	44
27	Sariyatul Inayah	2	2	2	2	2	40
28	Sefya Ayu Rizkiyani	2	3	2	2	3	48
29	Siti Aisyah	2	2	3	2	2	44
30	Sukma Surya Kusuma	2	2	2	2	2	40
31	Syinta Zulaikha	2	2	3	2	2	44
32	Vira Ila Nabilatir Rohmaniyah	2	2	2	2	2	40
N=32	Total						1360
	Mean						43

In the first pre-test, the researcher could take conclusion that their speaking skill is still low. As mentioned in the table, after data analyzed, it shows that the mean is 43, the median is 44, the highest score is 48, the lowest score is 40.

b. Pre-test 2

Tabel 4.2

No	Name	Criteria					Score
		Grammar	Vocabulary	Comprehension	Fluency	pronunciation	
1	Ahmad Noor Rizal	2	3	2	2	3	48

2	Ahmad Yusuf Maulana	2	3	2	2	3	48
3	Anggah Rosailah	3	3	2	2	3	52
4	Cahaya Maulida Dewi	2	3	2	3	2	48
5	Dewi Masitoh	3	3	2	2	3	52
6	Dimas Adi Pratama	3	3	2	2	3	52
7	Eva Noviani	2	3	2	2	3	48
8	Evira Nor Miftakhilda	2	3	2	2	3	48
9	Faila Suffa Maghdalena	2	3	2	2	3	48
10	Faiz Nur Faizal	3	3	2	2	3	52
11	Ibnu Malik	2	3	2	3	3	52
12	Lisa Malikhatin	2	3	2	2	3	48
13	Maulida Yunitasari	3	3	3	2	2	52
14	Muhammad Alamul Huda	2	3	3	2	3	52
15	Muhammad Jeri Purwanto	2	3	2	2	3	48
16	Muhammad Khasan Luthfi	2	3	2	2	3	48
17	Muhammad Ubaidillah	3	3	2	2	3	52
18	Mutiara Yanuar	3	3	2	2	3	52
19	Nella Masmiya Sari	3	3	2	2	3	52
20	Nur Ilmiah	2	3	2	2	3	48
21	Ovyana Fransisca	2	3	2	2	3	48
22	Rifkiana Rohmania	3	3	2	2	3	52
23	Rizki Eka Aditya Saputra	3	3	2	2	3	52
24	Sabila Rizqiyyah	2	3	2	2	3	48
25	Sahal Irfan	2	3	2	2	3	48
26	Santini	3	2	3	2	3	52
27	Sariyatul Inayah	2	3	2	2	3	48
28	Sefya Ayu Rizkiyani	3	3	2	2	3	52
29	Siti Aisyah	2	3	3	2	3	52
30	Sukma Surya Kusuma	2	3	2	2	3	48
31	Syinta Zulaikha	2	3	3	2	3	52
32	Vira Ila Nabilatir Rohmaniyah	2	3	2	3	3	52
N=32	Total						1604
	Mean						50

In the second pre-test, the students were able to increase their grammar. It was proven when they made an example of dialogue about asking and giving information and only one student that could not increase the score. As mentioned in the table, after data analyzed, it shows that the mean is 50, the median is 52, the highest score is 52, the lowest score is 48.

c. Pre-test 3

Tabel 4.3

No	Name	Criteria					Score
		Grammar	Vocabulary	Comprehension	Fluency	pronunciation	
1	Ahmad Noor Rizal	3	3	3	2	3	56
2	Ahmad Yusuf Maulana	3	3	3	2	3	56
3	Anggah Rosailah	3	3	3	3	3	60
4	Cahaya Maulida Dewi	3	3	2	3	3	56
5	Dewi Masitoh	3	3	3	3	3	60
6	Dimas Adi Pratama	3	3	3	2	3	56
7	Eva Noviani	3	3	3	2	3	56
8	Evira Nor Miftakhilda	3	3	3	2	3	56
9	Faila Suffa Maghdalena	3	3	3	2	3	56
10	Faiz Nur Faizal	3	3	3	3	3	60
11	Ibnu Malik	3	3	3	3	3	60
12	Lisa Malikhatin	3	3	3	2	3	56
13	Maulida Yunitasari	3	3	3	3	3	60
14	Muhammad Alamul Huda	3	3	3	3	3	60
15	Muhammad Jeri Purwanto	3	3	3	2	3	56
16	Muhammad Khasan Luthfi	3	3	3	2	3	56
17	Muhammad Ubaidillah	3	3	3	2	3	56
18	Mutiara Yanuar	3	3	3	3	3	60
19	Nella Masmiya Sari	3	3	3	3	3	60

20	Nur Ilmiah	3	3	3	2	3	56
21	Ovyana Fransisca	3	3	3	2	3	56
22	Rifkiana Rohmania	3	3	3	3	3	60
23	Rizki Eka Aditya Saputra	3	3	3	2	3	56
24	Sabila Rizqiyah	3	3	3	2	3	56
25	Sahal Irfan	3	3	3	2	3	56
26	Santini	3	3	3	3	3	60
27	Sariyatul Inayah	3	3	3	2	3	56
28	Sefya Ayu Rizkiyani	3	3	3	3	3	60
29	Siti Aisyah	3	3	3	3	3	60
30	Sukma Surya Kusuma	3	3	3	2	3	56
31	Syinta Zulaikha	3	3	3	3	3	60
32	Vira Ila Nabilatir Rohmaniyah	3	3	3	3	3	60
N=32	Total						1848
	Mean						58

In the last pre-test, the students were able to increase their comprehension and fluency. As mentioned in the table, after data analyzed, it shows that the mean is 58, the median is 56, the highest score is 60, the lowest score is 56.

2. The results of post-test

a. Post-test 1

Tabel 4.4

No	Name	Criteria					Score
		Grammar	Vocabulary	Comprehension	Fluency	pronunciation	
1	Ahmad Noor Rizal	2	3	2	2	2	44
2	Ahmad Yusuf Maulana	2	3	2	2	2	44
3	Anggah Rosailah	2	3	2	2	3	48
4	Cahaya Maulida Dewi	2	2	2	3	2	44
5	Dewi Masitoh	2	3	2	2	3	48

6	Dimas Adi Pratama	2	3	2	2	3	48
7	Eva Noviani	2	3	2	2	2	44
8	Evira Nor Miftakhilda	2	3	2	2	2	44
9	Faila Suffa Maghdalena	2	3	2	2	2	44
10	Faiz Nur Faizal	2	3	2	2	3	48
11	Ibnu Malik	2	3	2	3	2	48
12	Lisa Malikhatin	2	3	2	2	2	44
13	Maulida Yunitasari	2	3	3	2	2	48
14	Muhammad Alamul Huda	2	3	3	2	2	48
15	Muhammad Jeri Purwanto	2	3	2	2	2	44
16	Muhammad Khasan Luthfi	2	3	2	2	3	48
17	Muhammad Ubaidillah	2	3	2	2	3	48
18	Mutiara Yanuar	2	3	2	2	3	48
19	Nella Masmiya Sari	2	3	2	2	3	48
20	Nur Ilmiah	2	2	2	2	3	44
21	Ovyana Fransisca	2	3	2	2	2	44
22	Rifkiana Rohmania	2	3	2	2	3	48
23	Rizki Eka Aditya Saputra	2	3	2	2	3	48
24	Sabila Rizqiyyah	2	3	2	2	2	44
25	Sahal Irfan	2	3	2	2	2	44
26	Santini	2	2	3	2	3	48
27	Sariyatul Inayah	2	3	2	2	2	44
28	Sefya Ayu Rizkiyani	2	3	2	2	3	48
29	Siti Aisyah	2	2	3	2	3	48
30	Sukma Surya Kusuma	2	3	2	2	2	44
31	Syinta Zulaikha	2	3	3	2	2	48
32	Vira Ila Nabilatir Rohmaniyah	2	3	2	3	2	48
N=32	Total						1480
	Mean						46

After the students were given instruction about role play method, they could increase their speaking skill especially in vocabulary and pronunciation. But there were three students that could not increase their score. As mentioned in the table, after data analyzed,

it shows that the mean is 46, the median is 48, the highest score is 48, the lowest score is 44.

b. Post-test 2

Tabel 4.5

No	Name	Criteria					Score
		Grammar	Vocabulary	Comprehension	Fluency	pronunciation	
1	Ahmad Noor Rizal	3	3	2	2	3	52
2	Ahmad Yusuf Maulana	3	3	2	2	3	52
3	Anggah Rosailah	3	3	3	2	3	56
4	Cahaya Maulida Dewi	2	3	2	3	3	52
5	Dewi Masitoh	3	3	3	2	3	56
6	Dimas Adi Pratama	3	3	2	2	3	52
7	Eva Noviani	3	3	2	2	3	52
8	Evira Nor Miftakhilda	3	3	2	2	3	52
9	Faila Suffa Maghdalena	3	3	2	2	3	52
10	Faiz Nur Faizal	3	3	3	2	3	56
11	Ibnu Malik	3	3	2	3	3	56
12	Lisa Malikhatin	3	3	2	2	3	52
13	Maulida Yunitasari	3	3	3	2	3	56
14	Muhammad Alamul Huda	3	3	3	2	3	56
15	Muhammad Jeri Purwanto	3	3	2	2	3	52
16	Muhammad Khasan Luthfi	2	3	3	2	3	52
17	Muhammad Ubaidillah	3	3	2	2	3	52
18	Mutiara Yanuar	3	3	3	2	3	56
19	Nella Masmiya Sari	3	3	3	2	3	56
20	Nur Ilmiah	3	3	2	2	3	52
21	Ovyana Fransisca	3	3	2	2	3	52
22	Rifkiana Rohmania	3	3	3	2	3	56
23	Rizki Eka Aditya Saputra	3	3	2	2	3	52

24	Sabila Rizqiyyah	3	3	2	2	3	52
25	Sahal Irfan	3	3	2	2	3	52
26	Santini	3	3	3	2	3	56
27	Sariyatul Inayah	3	3	2	2	3	52
28	Sefya Ayu Rizkiyani	3	3	3	2	3	56
29	Siti Aisyah	3	3	3	2	3	56
30	Sukma Surya Kusuma	3	3	2	2	3	52
31	Syinta Zulaikha	3	3	3	2	3	56
32	Vira Ila Nabilatir Rohmaniyah	3	3	2	3	3	56
N=32	Total						1720
	Mean						54

The result of the second post-test, the students were able to improve their speaking skill. Their grammar was better but there were three students that could not increase their score. As mentioned in the table, after data analyzed, it shows that the mean is 54, the median is 52, the highest score is 56, the lowest score is 52.

c. Post-test 3

Table 4.6

No	Name	Criteria					score
		Grammar	Vocabulary	Comprehension	Fluency	pronunciation	
1	Ahmad Noor Rizal	3	3	3	4	3	64
2	Ahmad Yusuf Maulana	3	3	3	4	3	64
3	Anggah Rosailah	4	4	3	4	3	72
4	Cahaya Maulida Dewi	3	3	3	4	3	64
5	Dewi Masitoh	4	3	3	4	3	68
6	Dimas Adi Pratama	3	3	3	4	3	64
7	Eva Noviani	3	3	3	4	3	64
8	Evira Nor Miftakhilda	3	3	3	4	3	64
9	Faila Suffa	3	3	3	4	3	64

	Maghdalena						
10	Faiz Nur Faizal	4	4	3	4	3	72
11	Ibnu Malik	4	3	3	4	3	68
12	Lisa Malikhatin	3	3	3	4	3	64
13	Maulida Yunitasari	3	3	4	4	3	68
14	Muhammad Alamul Huda	3	3	4	4	4	72
15	Muhammad Jeri Purwanto	4	3	4	3	3	68
16	Muhammad Khasan Luthfi	3	4	3	3	3	64
17	Muhammad Ubaidillah	3	4	3	3	4	68
18	Mutiara Yanuar	4	4	3	3	3	68
19	Nella Masmiya Sari	4	4	3	3	4	72
20	Nur Ilmiah	3	3	3	4	3	64
21	Ovyana Fransisca	3	4	3	4	3	68
22	Rifkiana Rohmania	4	3	4	3	4	72
23	Rizki Eka Aditya Saputra	3	3	3	3	4	64
24	Sabila Rizqiyyah	3	3	3	3	4	64
25	Sahal Irfan	3	4	3	3	3	64
26	Santini	3	4	4	3	3	68
27	Sariyatul Inayah	3	3	3	4	3	64
28	Sefya Ayu Rizkiyani	4	3	3	4	4	72
29	Siti Aisyah	3	3	4	3	4	68
30	Sukma Surya Kusuma	4	3	3	3	3	64
31	Syinta Zulaikha	4	4	4	3	3	72
32	Vira Ila Nabilatir Rohmaniyah	3	4	3	3	4	72
N=32	Total						2148
	Mean						67

In the last post-test, the students were able to increase their comprehension and fluency. It showed that they gave good improvement after doing the role-play method. As mentioned in the table, after data analyzed, it shows that the mean is 67, the median is 68, the highest score is 72, the lowest score is 64.

3. The comparison result of pre-test and post-test

After getting the result of pre-test and post-test, the researcher accumulated all the results of pre-test in three days and post-test in three days then compared them. The accumulation score and mean of the test results can be seen in the tabel 4.7 and tabel 4.8 and the comparison result can be seen in the tabel 4.9

a. The accumulation score and mean of pre-test

Tabel 4.7

No	Pre-test 1	Pre-test 2	Pre-test 3	Total
1	40	48	56	144
2	40	48	56	144
3	44	52	60	156
4	44	48	56	148
5	44	52	60	156
6	44	52	56	152
7	40	48	56	144
8	40	48	56	144
9	40	48	56	144
10	44	52	60	156
11	44	52	60	156
12	40	48	56	144
13	44	52	60	156
14	44	52	60	156
15	40	48	56	144
16	44	48	56	148
17	44	52	56	152
18	44	52	60	156

19	44	52	60	156
20	40	48	56	144
21	40	48	56	144
22	44	52	60	156
23	44	52	56	152
24	40	48	56	144
25	44	48	56	148
26	44	52	60	156
27	40	48	56	144
28	48	52	60	160
29	44	52	60	156
30	40	48	56	144
31	44	52	60	156
32	40	52	60	152
N=32	TOTAL			4812
	MEAN			150,38

b. The accumulation score and mean of post-test score

Tabel 4.8

No	Post-test 1	Post-test 2	Post-test 3	Total
1	44	52	64	160
2	44	52	64	160
3	48	56	72	176
4	44	52	64	160
5	48	56	68	172
6	48	52	64	164
7	44	52	64	160
8	44	52	64	160

9	44	52	64	160
10	48	56	72	176
11	48	56	68	172
12	44	52	64	160
13	48	56	68	172
14	48	56	72	176
15	44	52	68	164
16	48	52	64	164
17	48	52	68	168
18	48	56	68	172
19	48	56	72	176
20	44	52	64	160
21	44	52	68	164
22	48	56	72	176
23	48	52	64	164
24	44	52	64	160
25	44	52	64	160
26	48	56	68	172
27	44	52	64	160
28	48	56	72	176
29	48	56	68	172
30	44	52	64	160
31	48	56	72	176
32	48	56	72	176
N=32	TOTAL			5348
	MEAN			167,14

c. The comparison score of pre-test and post-test

Tabel 4.9

The explanation of the symbols in the table are:

X : Pre-test result

Y : Post-test result

No	(X)	(Y)	$D=(X-Y)$	$D^2=(X-Y)^2$
1	144	160	-16	256
2	144	160	-16	256
3	156	176	-20	400
4	148	160	-12	144
5	156	172	-16	256
6	152	164	-12	144
7	144	160	-16	256
8	144	160	-16	256
9	144	160	-16	256
10	156	176	-20	400
11	156	172	-16	256
12	144	160	-16	256
13	156	172	-16	256
14	156	176	-20	400
15	144	164	-20	400
16	148	164	-16	256
17	152	168	-16	256
18	156	172	-16	256
19	156	176	-20	400
20	144	160	-16	256
21	144	164	-20	400

22	156	176	-20	400
23	152	164	-12	144
24	144	160	-16	256
25	148	160	-12	144
26	156	172	-16	256
27	144	160	-16	256
28	160	176	-16	256
29	156	172	-16	256
30	144	160	-16	256
31	156	176	-20	400
32	152	176	-24	576
	$\sum X = 4812$	$\sum Y = 5348$	$\sum D = -536$	$\sum D^2 = 9216$

The table shows that the test result is $\sum D = -536$ and $\sum D^2 = 9216$

B. THE ANALYSIS OF DATA

In analysing the data, the researcher tried to find out the standard of differences (SD_D) with the formula:

$$SD_D = \sqrt{\frac{\sum D^2}{N} - \left[\frac{\sum D}{N}\right]^2}$$

$$SD_D = \sqrt{\frac{9216}{32} - \left[\frac{-536}{32}\right]^2}$$

$$SD_D = \sqrt{288 - [-16,75]^2}$$

$$SD_D = \sqrt{288 - 16,75}$$

$$SD_D = \sqrt{271,25}$$

$$SD_D = 16,47$$

To find out the mean of differences (MD) between variable X and Y, the researcher used the formula:

$$MD = \sum \frac{D}{N}$$

$$MD = \sum \frac{-536}{32}$$

$$MD = -16,75$$

After gaining the result of $SD_D = 16,47$ the researcher calculated the standard error from the mean of differences (SE_{MD}) between variable X and Y:

$$SE_{MD} = \frac{SD_D}{\sqrt{N-1}}$$

$$SE_{MD} = \frac{16,47}{\sqrt{32-1}}$$

$$SE_{MD} = \frac{16,47}{\sqrt{31}}$$

$$SE_{MD} = \frac{16,47}{5,57}$$

$$SE_{MD} = 2,96$$

The last calculation is determining the result of t observation (t_o) of the test with formula:

$$t_o = \frac{MD}{SE_{MD}}$$

$$t_o = \frac{-16,75}{2,96}$$

$$t_o = -5,66$$

The result -5,66 indicated that there was a difference of degree as much as -5,66. Regardless the minus it does not indicate negative score.

To complete the result of the research, the researcher finds out the degree of freedom (df) with the formula:

$$df = N - 1$$

$$df = 32 - 1$$

$$df = 31$$

df = 31(see the table “t” value at the degree of significance of 5 % and 1%)

at the degree of significance 5% = 2,042

at the degree of significance 1% = 2,750

the result is $2,042 < 5,66 > 2,750$

the result of analyzing the data by using above formula shows that the coefficient is 5,66. It means that there is significance after the role-play is used for teaching speaking.

C. THE HYPOTHESIS OF DATA

Having analyzed the data of pre-test and post-test by using t-test formula, the result shows that the coefficient is 5,66. It means that there is significance increase in teaching speaking by using role-play method.

From the result of calculation, it is obtained the value of the t observation (t_o) is 5,66 the degree of freedom (df) is 31 (obtained from $N-1$) ($32-1=31$).

The researcher used the degree of significance of 5% and 1%. In the table of significance, it can be seen the df is 31 and the degree of significance of 5% and 1% the value of degree of significance are 2,042 and 2,750. If compared with each value of the degrees of significance, the result is $2,042 < 5,66 > 2,750$.

The statistic hypothesis of this research is:

1. The Alternative Hypothesis (H_a) is an opposite of null hypothesis. It is a statement that contradict a null hypothesis by stating the actual value of population is less than, or not equal to the value stated in null hypothesis. This hypothesis is wrong what we think about null hypothesis.
2. Null Hypothesis (H_o) always represents theories that have been put forward. H_o is a statement about population parameter that is assumed to be true. This hypothesis becomes a starting point that is used by

researcher to test whether the value stated in the null hypothesis is likely to be true.

D. THE INTERPRETATION OF DATA

Based on the result of data analysis, it is proven that the students score of speaking taught by using role-play method at MTs Darul Ulum Srikandang has increased. It means that the use of role-play method in teaching speaking is effective. Another reason based on the students response is because most students find that role-play is enjoyable. The reason leads to better attention in learning and stimulate them to participate in role-play activity.