

CHAPTER IV

FINDING AND DISCUSSION

A. Finding

To know more about the speaking ability of the sixth semester students' at English Department, in debate club (LiDS EDUCIA) and non debate club, the researcher tested the students using speaking test, the researcher gave the test to students and they answered it. Here, the researcher describes about result of the research on the field that collected by techniques of data collection. The researcher did the research on May, 20th 2016, until June 20th 2016. This is the findings of speaking ability of club students members and non debate club students of the sixth semester students at IAIN Antasari Banjarmasin.

1. Description about the students' speaking ability in debate club (LiDS EDUCIA) of the sixth semester students at English Department IAIN Antasari Banjarmasin.

To know about the students' speaking ability of the sixth semester students in debate club (LiDS EDUCIA) at English Department IAIN Antasari Banjarmasin, the researcher conducted speaking test on May, 20th 2016 until June, 20th 2016 by asking some questions to students. In scoring, the writer divided into five aspects. They are accent, grammar, vocabulary, fluency, and comprehension. For more detail information, the data can be seen in the table below.

Table 4.1 The Result of Speaking Test of The sixth semester students in LiDS EDUCIA at English Department IAIN Antasari Banjarmasin.

No	Initial Name	A	G	V	F	C	Score	Category
1	A	3	4	3	3	4	64	Fair
2	E	4	3	4	3	5	76	Good
3	F	4	4	4	5	5	88	Very Good
4	H	4	4	3	4	4	76	Good
5	I	5	5	4	5	5	96	Very Good
6	K	5	5	4	5	4	92	Very Good
7	M	3	3	3	3	4	64	Fair
8	M	5	3	5	4	4	84	Very Good
9	N	4	4	4	5	5	88	Very Good
10	R	4	4	5	4	4	84	Very Good
11	R	4	3	4	3	4	72	Good

Information about the table above:

A = Accent

B = Grammar

C = Vocabulary

F = Fluency

C = Comprehension

The total score of every students the finish score 100 (example, $4+4+4+5+5/25*100 = 88$), so based on the table above, it shows that the highest score of students in debate club (LiDS EDUCIA) is 92 and then, the lowest score is 64, and accumulate score is 20.18.

Based on the result of the test, it is found that the categories of the speaking ability of students in debate club (LiDS EDUCIA) of the sixth semester students at English Department IAIN Antasari Banjarmasin are categorized in:

- a. Very Good category, 6 students (54.54%) with score 80 – 100
- b. Good category, 3 students (27.27%) with score 70 – 79
- c. Fair category, 2 students (1.18%) with score 60 – 69
- d. Poor category, student (0%) with score 45 – 59
- e. Very Poor category, student (0%) with score < 45

Table 4.2 The frequency distribution of the students speaking ability and category of students from in debate club (LiDS EDUCIA)

No	Score	Frequency	Percentage	Categories
1	80 – 100	6	54.54%	Very Good
2	70 – 79	3	27.27%	Good
3	60 – 69	2	18.18%	Fair
4	45 – 59	0	0%	Poor
5	< 45	0	0%	Very Poor
		11	100%	

To know the students' speaking ability of the sixth semester students in debate club (LiDS EDUCIA) at English Department IAIN Antasari Banjarmasin the researcher used the accounting of Mean formula as follows:

$$M_x = \frac{\sum f \times}{N}$$

$$M_x = \frac{222}{11}$$

$$M_x = 20.18$$

Thus, the students' speaking ability of the sixth semester students in debate club (LiDS EDUCIA) at English department IAIN Antasari Banjarmasin can be concluded in Very Good Category.

2. Description about the students' speaking ability in non debate club of the sixth semester students at English Department IAIN Antasari Banjarmasin.

To know about the students' speaking ability of the sixth semester students in non debate club at English Department IAIN Antasari Banjarmasin, the writer conducted a speaking test on May, 20th 2016 until June, 20th 2016 by asking some questions to students. In scoring, the writer divided into five aspects. They are accent, grammar, vocabulary, fluency, and comprehension. For more detail information, the data can be seen in the table below.

Table 4.3 The Result of Speaking Test of The sixth semester students in non debate club at English Department IAIN Antasari Banjarmasin.

No	Name	A	G	V	F	C	Score	Category
1	D	3	3	3	3	3	60	Fair
2	F	3	3	2	3	3	56	Poor
3	H	2	3	3	3	4	60	Fair
4	H	3	4	3	3	4	68	Fair
5	I	3	2	3	3	3	56	Poor
6	I	3	2	3	3	3	56	Poor
7	J	3	4	4	3	4	72	Good

(Continued table 4.3)

8	K	3	3	3	3	4	64	Fair
9	N	3	4	3	3	4	68	Fair
10	N	3	3	2	2	3	52	Poor
11	S	2	3	2	3	4	56	Poor

Information about the table above:

A = Accent

B = Grammar

C = Vocabulary

F = Fluency

C = Comprehension

The total score of every students the finish score 100 (example, $2+3+2+3+4/25*100 = 56$), so based on the table above, it shows that the highest score of students in non debate club is 72 and then, the lowest score is 52, and accumulate score is 15.18.

Based on the result of the test, it is found that the categories of the speaking ability of students non debate club of the sixth semester students at English Department IAIN Antasari Banjarmasin are categorized in:

- a. Very Good category, 0 students (0%) with score 80 – 100
- b. Good category, 1 students (9.09%) with score 70 – 79
- c. Fair category, 5 students (45.45%) with score 60 – 69
- d. Poor category, 5 student (45.45%) with score 45 – 59
- e. Very Poor category, 0 student (0%) with score <45

Table 4. 4 The frequency distribution of the speaking ability and category of students non debate club.

No	Score	Frequency	Percentage	Categories
1	80 – 100	0	0%	Very Good
2	70 – 79	1	9.09%	Good
3	60 – 69	5	45.45%	Fair
4	45 – 49	5	45.45%	Poor
5	<45	0	0%	Very Poor
		11	100%	

To know the speaking ability of students non debate club of the sixth semester students at English Department IAIN Antasari Banjarmasin the researcher uses the accounting of Mean formula as follows:

$$M_x = \frac{\sum f \times}{N}$$

$$M_x = \frac{167}{11}$$

$$M_x = 15.18$$

Thus the students' speaking ability non debate club of the sixth semester students at English Department IAIN Antasari Banjarmasin can be concluded in Fair Category.

Then researcher counting the comparison between students in debate club (LiDS EDUCIA) and students non debate club.

3. Significant different

To know the comparison of students' speaking ability between students in debate club (LiDS EDUCIA) and non debate club at English Department IAIN Antasari Banjarmasin, the researcher uses " t_{test} ". After that the collected data have been processed, the researcher analysis them make conclusion by using t_{test}

$$\text{formula: } t = \frac{M_1 - M_2}{SE_{M_1 - M_2}}$$

Based on the result of the test in appendix, the researcher calculates the mean formula of each major student. To keep the subject identity, the researcher just uses number of identifying the subject.

a. Looking for Mean Variable I by using the following formula:

$$M_x \text{ Or } M_1 = \frac{\sum fx}{N_1}$$

$$M_x \text{ Or } M_1 = \frac{222}{11}$$

$$M_x \text{ Or } M_1 = 20.18$$

b. Looking for Mean variable II by using the following formula:

$$M_y \text{ Or } M_2 = \frac{\sum fy}{N_2}$$

$$M_y \text{ Or } M_2 = \frac{167}{11}$$

$$M_y \text{ Or } M_2 = 15.18$$

c. Looking for standard Deviation for variable I by using the following formula:

The result of $\sum fx^2$ of variable I can be seen in appendix.

$$SD_x \text{ or } SD_1 = \sqrt{\frac{\sum fX^2}{N_1 - 1}}$$

$$SD_x \text{ or } SD_1 = \sqrt{\frac{65.636}{11-1}} = \sqrt{6.563} = 2.561$$

d. Looking for standard Deviation for Variable II by using the following formula:

The result of $\sum fy$ of variable II can be seen in appendix.

$$SD_y \text{ or } SD_2 = \sqrt{\frac{\sum fY^2}{N_2 - 1}}$$

$$SD_y \text{ or } SD_2 = \sqrt{\frac{25.636}{11-1}} = \sqrt{2.563} = 1.601$$

e. Looking for Standard Error for Mean Variable I by using the following formula:

$$SE_{M_x} \text{ Or } SE_{M_1} = \frac{SD_1}{\sqrt{N_1 - 1}}$$

$$SE_{M_x} \text{ Or } SE_{M_1} = \frac{2.561}{\sqrt{11}} = \frac{2.561}{\sqrt{11}} = \frac{2.561}{3.316} = 0.772$$

f. Looking for Standard Error for Mean Variable II by using the following formula:

$$SE_y \text{ Or } SE_{M_2} = \frac{SD_2}{\sqrt{N_1}}$$

$$SE_{M_y} \text{ Or } SE_{M_2} = \frac{1.600}{\sqrt{11}} = \frac{1.600}{\sqrt{11}} = \frac{1.600}{3.316} = 0.482$$

g. Looking for standard Error for comparative Mean Variable I and Mean variable II by using the following formula:

$$SE_{M_1} - M_2 = \sqrt{SE_{M_1}^2 + SE_{M_2}^2}$$

$$SE_{M_1 - M_2} = \sqrt{0.772^2 + 0.482^2}$$

$$SE_{M_1 - M_2} = \sqrt{0.595 + 0.232}$$

$$SE_{M_1 - M_2} = \sqrt{0.827} = 0.909$$

h. looking for t_o , by using the following formula:

$$t_o = \frac{M_1 - M_2}{SE_{M_1 - M_2}}$$

$$t_o = \frac{20,18 - 15,18}{0.909}$$

$$t_o = \frac{5}{0.909} = 5.489$$

i. Giving interpretation for “ t_o ” with consulting t table (“ t_{tabel} ”):

Looking for Degree of Freedom

$$\frac{df}{db} = (N_1 + N_2 - 2)$$

$$\frac{df}{db} = (11 + 11 - 2) = 20$$

After the researcher found the df (degrees of freedom), which is 20, and then consult with t_{tabel} , can be seen in appendix.

j. The researcher makes a conclusion.

1) To know the students ‘ speaking ability between students in debate club (Lids Educia) and non debate club with the analysis below

a) H_a : Students’ speaking ability in debate club (LIDS EDUCIA) better than students’ speaking ability non debate club (M_{x_1}) > (M_{x_2})

b) Mean students’ speaking ability in debate club (LIDS EDUCIA):

$$M_{x_1} = 20.18$$

Mean students' speaking ability non debate club:

$$M_{x_2} = 15.18$$

c) So, students' speaking ability in debate club (LiDS EDUCIA) better than students' speaking ability non debate club.

2) After that to know the differences students' speaking ability between students in debate club (LIDS EDUCIA) and non debate club of the sixth semester students at English Department IAIN Antasari Banjarmasin.

a) Consulting score of "db/df" with " t_{tabel} "

$$t_{tabel} = \text{Value of critic "t"}$$

(1) In significant degrees t table 5% = 3.10

(2) In significant degrees t table 1% = 1.36

b) Making hypothesis interpretation:

(1) H_o (Zero Hypothesis): there are no significant differences.

(2) H_a (Alternative Hypothesis): there are significant differences.

(3) Consulting " t " with " t_{table} "

$$5.48 > 3.10$$

$$\frac{df}{db} = (N_1 + N_2 - 2)$$

$$\frac{df}{db} = (11 + 11 - 2) = 20$$

After that the researcher finds the df (degrees of freedom), which is 20, the researcher uses nearest df in the table, that is df at 47. The table is put in appendix.

Thus, $t_{table} 5\% = 3.10 > 5.48 > 1.36\% = 1$, T_{table} is lower than t_{count} .

H_o (Zero Hypothesis) is rejected and H_a (Alternative Hypothesis) is accepted.

By this result, the researcher concludes that **H_a is accepted.**

As a result, there are significant differences in students in debate club and non debate club in their speaking ability of the sixth semester students at English Department IAIN Antasari Banjarmasin.

B. Discussion

From the statistical measurement above shows that H_o (Zero Hypothesis) is not accepted or rejected; H_a (Alternative Hypothesis) is accepted, because value of t_{count} is higher than of t_{table} (value of critic "t"). It means:

1. How the speaking ability of the the sixth semester students in debate club (LiDS EDUCIA) and non the debate club at English Departement of IAIN Antasari Banjarmasin.
2. There is significant difference in the speaking ability between the sixth semester students in debate club (LiDS EDUCIA) and non debate club at English Departement of IAIN Antasari Banjarmasin.

Based on result of the test there are different highest and lowest scores of the test. The highest score of students in debate club is 24 and the highest score of students non debate club is 18. While the lowest score of the students in debate club is 15 and the lowest score of the students in non debate club is 13.

Based on the table 4.1, Speaking skill of students who followed debate club with five components, they are accent, grammar, vocabulary and fluency and comprehension. Accuracy total score is 45, Grammar total score is 42, vocabulary total score is 43, fluency total score is 44, and comprehension total score is 48.

Based on the table 4.3, Speaking skill of students who do not follow debate club with five components, they are accent, grammar, vocabulary and fluency and comprehension. Accuracy total score is 31, Grammar total score is 34, vocabulary total score is 31, fluency total score is 32, and comprehension total score is 39.

Based on the result of the test, there are differences between the highest and lower score. The highest score of the test students' speaking ability who followed debate total is 24, the highest score of the test student's speaking ability who do not follow debate total is 18, and then the lowest score of the students who follow debate in conclusion total score is 16, the lowest score of the students who do not follow debate in conclusion total score is 13.

Then, the researcher also found a difference mean score between students in debate club named LiDS EDUCIA and the student's non debate club. The researcher found the mean score of students' speaking ability in debate clubs named LiDS EDUCIA is 20,18. It speaking ability is categorized in Very Good Categorized. On the other hand the mean score of students' speaking ability non debate club students is 15,18. It speaking ability is categorized in Fair Category. Based on the scores that the researcher found and concluded show that the students' speaking scores from debate club LiDS EDUCIA is better than the

students' score from non debate club. The researcher found these data by testing the students of both LiDS EDUCIA students and non LiDS EDUCIA students from four aspect, they are Accent, Grammar, Vocabulary, Fluency and Comprehension.