

CHAPTER IV
FINDING AND DISCUSSION

A. Finding

After the writer conducted a research to investigate the comparative study on students' achievement between those who do private tutoring activity and do not of English department students of IAIN Antasari Banjarmasin academic year 2013/2014, the data that have been obtained are classified based on the problem statements. Before being analyzed, the data are presented in the description as follows:

1. Students who do private tutoring activity and do not

To get the data, the writer distributes a questionnaire consists of 20 questions to 169 respondents of academic year 2013/2014

a. Question Number 1

This question is used to know the students who do private tutoring activity and do not.

Table 4.1. Students who do private tutoring activity and do not.

| No | Answer | Frequency | centage |
|----|--------|-----------|---------|
| 1 | Yes | 28 | 16.57% |
| 2 | No | 141 | 83.43% |

| | | | |
|-------|--|-----|------|
| Total | | 169 | 100% |
|-------|--|-----|------|

The table above indicates that 28 or 16.57% students do private tutoring activity. There are 141 or 83.43% students who do not private tutoring activity.

b. Question Number 2

This question is to know the students' effort to improve their academic achievement.

Table 4.2. Students' effort to improve their academic achievement

| No | Answer | Frequency | Percentage |
|-------|--------|-----------|------------|
| 1 | A | 106 | 75.17% |
| 2 | B | 23 | 16.31% |
| 3 | C | 12 | 8.51% |
| Total | | 141 | 100% |

The table above shows that 75.17% or 106 of students who learn by themselves, 16.31% or 23 students who learn together or group study and only 12 students answer C join private with 12 students or 8.51%.

c. Question Number 3

This question is to know how long the students do private tutoring activity

Table 4.3. How long the students do private tutoring activity.

| No | Answer | Frequency | Percentage |
|-------|--------|-----------|------------|
| 1 | A | 9 | 32.14% |
| 2 | B | 11 | 39.28% |
| 3 | C | 8 | 28.58% |
| Total | | 28 | 100% |

The table above shows that 32.14% or 9 of students answer A more than two semester do private tutoring activity, 39.28% or 11 students do private tutoring in two semester and 11 students or 28.58% answer C in one semester.

d. Question 4

This question is to know what level that take is.

Table 4.4. What level that take is

| No | Answer | Frequency | Percentage |
|----|--------|-----------|------------|
| 1 | A | 7 | 25.00% |
| 2 | B | 10 | 35.72% |
| 3 | C | 11 | 39.28% |

| | | | |
|-------|--|----|------|
| Total | | 28 | 100% |
|-------|--|----|------|

The table above shows that 25.00% or 7 of students do private tutoring activity in level senior high school, 35.72% or 10 students in level junior high school and 11 or 39.28% students do private tutoring in level elementary school.

e. Question 5

This question is to know the kind of teaching way in private tutoring activity.

Table 4.5. The kind of teaching way in private tutoring activity

| No | Answer | Frequency | Percentage |
|-------|--------|-----------|------------|
| 1 | A | 7 | 25.00% |
| 2 | B | 14 | 50.00% |
| 3 | C | 7 | 25.00% |
| Total | | 28 | 100% |

The table above shows that 25.00% or 7 of students do private tutoring activity in explain all of the material, 25.00% or 14 answer B by explaining the material that was not understood and 7 students do private tutoring activity just helping in doing homework.

f. Question 6

This question is to know what the guide in teaching private tutoring is.

Table 4.6. What the guide in teaching private tutoring is

| No | Answer | Frequency | Percentage |
|-------|--------|-----------|------------|
| 1 | A | 0 | 00.00% |
| 2 | B | 16 | 57.14% |
| 3 | C | 12 | 46.86% |
| Total | | 28 | 100% |

The table above shows that 00.00% or no student in teaching private tutoring by the guide in resume book, 57.14% or 16 answer B by the guide in school book and 12 students or 46.86% used general book in teaching private tutoring.

g. Question 7

This question is to know how many times in teaching private tutoring activity.

Table 4.7. How many times in teaching private tutoring activity

| No | Answer | Frequency | Percentage |
|----|--------|-----------|------------|
| 1 | A | 3 | 10.72% |
| 2 | B | 16 | 57.14% |

| | | | |
|-------|---|----|--------|
| 3 | C | 9 | 32.14% |
| Total | | 28 | 100% |

The table above shows that 10.72% or 3 students answer A more than three times, 57.14% or 16 answer B two or three times in teaching tutoring activity and 9 students or 32.14% do private tutoring activity in one or two times.

h. Question 8

This question is to know how many times that spent in every meeting are.

Table 4.8. How many times that spent in every meeting are

| No | Answer | Frequency | Percentage |
|-------|--------|-----------|------------|
| 1 | A | 15 | 53.58% |
| 2 | B | 13 | 46.42% |
| 3 | C | 0 | 00.00% |
| Total | | 28 | 100% |

The table above shows that 00.00% or no student in teaching private tutoring answer C, 53.58% or 15 students answer A more than

one hour in teaching private tutoring activity and 13 students or 46.42% do private tutoring one hour in every meeting.

i. Question 9

This question is to know does private tutoring activity disturb your lecture.

Table 4.9. Does private tutoring activity disturb your lecture

| No | Answer | Frequency | Percentage |
|-------|--------|-----------|------------|
| 1 | A | 0 | 00.00% |
| 2 | B | 5 | 17.86% |
| 3 | C | 23 | 82.14% |
| Total | | 28 | 100% |

The table above shows that 00.00% or no student answer A disturbed, 17.86% or 5 students answer B a little bit disturbed and 23 students or 82.14% answer C not disturbed between teaching private tutoring activity and students' lecture.

j. Question 10

This question is to know does private tutoring activity give negative in academic achievement.

Table 4.10. Does private tutoring activity give negative in academic achievement

| No | Answer | Frequency | Percentage |
|-------|--------|-----------|------------|
| 1 | A | 2 | 7.14% |
| 2 | B | 26 | 92.86% |
| 3 | C | 0 | 00.00% |
| Total | | 28 | 100% |

The table above shows that 2 students answer A answer Yes give negative, 92.86% or 26 students answer B sometime gives negative and no one student answer C no gives negative in academic achievement.

k. Question 11

This question is to know does private tutoring activity give benefit in academic achievement.

Table 4.11. Does private tutoring activity give benefit in academic achievement

| No | Answer | Frequency | Percentage |
|-------|--------|-----------|------------|
| 1 | A | 27 | 96.43% |
| 2 | B | 1 | 3.57% |
| 3 | C | 0 | 00.00% |
| Total | | 28 | 100% |

The table above shows that 27 students or 96.43% answer A answer yes gives benefit in academic achievement, 3.57% or 1 students answer B sometime gives benefit and no one student answer C no gives benefit.

l. Question 12

This question is to know by the private tutoring activity to help in lecture learning activity

Table 4.12. By the private tutoring activity to help in lecture learning activity

| No | Answer | Frequency | Percentage |
|-------|--------|-----------|------------|
| 1 | A | 20 | 71.43% |
| 2 | B | 7 | 25.00% |
| 3 | C | 1 | 3.57% |
| Total | | 28 | 100% |

The table above shows that 20 students or 71.43% answer A helping in lecture learning activity, 25.00% or 7 students answer B a little bit helping and one student answer C.

m. Question 13

This question is to know does private tutoring activity increase students' experiences in the college material.

Table 4.13. Does private tutoring activity increase students' experiences in the college material

| No | Answer | Frequency | Percentage |
|-------|--------|-----------|------------|
| 1 | A | 21 | 75.00% |
| 2 | B | 9 | 25.00% |
| 3 | C | 0 | 00.00% |
| Total | | 28 | 100% |

The table above shows that 21 students or 75.00% answer A increase students' experiences in college material, 25.00% or 7 students answer B a little bit increase and no one students answer C.

n. Question 14

This question is to know how the students' academic achievement after do private tutoring activity.

Table 4.14. How the students' academic achievement after do private tutoring activity

| No | Answer | Frequency | Percentage |
|----|--------|-----------|------------|
| 1 | A | 18 | 64.29% |
| 2 | B | 6 | 21.43% |
| 3 | C | 4 | 14.29% |

| | | | |
|-------|--|----|------|
| Total | | 28 | 100% |
|-------|--|----|------|

The table above shows that 18 students or 64.29% answer A rise in academic achievement, 21.43% or 6 students answer B same in academic achievement and 4 students or 14.29% answer C down after do private tutoring activity in academic achievement.

2. Students' Achievement

To get the data, the writer conducted documentary. The achievements of students can be seen in the table below:

Table 4.15. Student Achievement for they who do Private Tutoring Activity

| No | Name | IPK |
|----|------|------|
| 1 | A | 3.56 |
| 2 | B | 3.68 |
| 3 | C | 3.55 |
| 4 | D | 3.66 |
| 5 | E | 3.63 |
| 6 | F | 3.43 |

| | | |
|----|---|------|
| 7 | G | 3.40 |
| 8 | H | 3.45 |
| 9 | I | 3.65 |
| 10 | J | 3.61 |
| 11 | K | 3.54 |
| 12 | L | 3.45 |
| 13 | M | 3.47 |
| 14 | N | 3.37 |
| 15 | O | 3.39 |
| 16 | P | 3.41 |
| 17 | Q | 3.43 |
| 18 | R | 3.29 |
| 19 | S | 3.27 |
| 20 | T | 3.22 |
| 21 | U | 3.44 |
| 22 | V | 3.57 |

| | | |
|----|------|--------------------|
| 23 | W | 3.59 |
| 24 | X | 3.56 |
| 25 | Y | 3.52 |
| 26 | Z | 3.66 |
| 27 | A1 | 3.46 |
| 28 | B1 | 3.23 |
| | N=28 | $\Sigma X = 97.49$ |

Based on the table above, the mean score for students' achievement is as follows:

$$M_x = \frac{\Sigma}{N}$$

$$M_x = \frac{97.49}{28}$$

$$M_x = 3.48$$

The calculation above shows that the mean score of students' achievement is 3.48.

Table. 4.16 Student Achievement for they who do not private tutoring activity

| No | Name | IPK |
|----|------|------|
| 1 | C1 | 3.61 |
| 2 | D1 | 3.54 |
| 3 | E1 | 3.15 |
| 4 | F1 | 3.1 |
| 5 | G1 | 3.17 |
| 6 | H1 | 3.15 |
| 7 | I1 | 3.28 |
| 8 | J1 | 3.36 |
| 9 | K1 | 3.43 |
| 10 | L1 | 3.64 |
| 11 | M1 | 3.33 |
| 12 | N1 | 3.46 |
| 13 | O1 | 3.44 |
| 14 | P1 | 3.29 |
| 15 | Q1 | 3.41 |

| | | |
|----|------|--------------------|
| 16 | R1 | 3.63 |
| 17 | S1 | 3.43 |
| 18 | T1 | 3 |
| 19 | U1 | 3.27 |
| 20 | W1 | 3.42 |
| 21 | V1 | 3.11 |
| 22 | X1 | 3.21 |
| 23 | Y1 | 3.41 |
| 24 | Z1 | 3.24 |
| 25 | A2 | 3.52 |
| 26 | B2 | 3.33 |
| 27 | C2 | 3.2 |
| 28 | D2 | 3.35 |
| | N=28 | $\Sigma Y = 93.48$ |

Based on the table above, the mean score for students' achievement is as follows:

$$My = \frac{\sum y}{N}$$

$$My = \frac{93.48}{28}$$

$$My = 3.34$$

The table 4.15. and 4.16. above show that the total scores of the students who do private tutoring activity is 97.49 with the mean score 3.48 and the total scores of the students who do not private tutoring activity is 93.48 with the mean score 3.34.

3. The comparative study on students' achievement between those who do and do not do private tutoring activity

After getting the data about students who do and do not private tutoring activity on students' achievement, the writer analyzes them and makes conclusion by using the "t-test" formula.

Table 4.17. Work table Mean and Standard Deviation of both samples

| No. | Score | | X (X-M ₁) | Y (Y-M ₂) | x ² | y ² |
|-----|-----------|---------------|--------------------------|--------------------------|----------------|----------------|
| | Do (X) | Do not (Y) | | | | |
| 1 | 3.56 | 3.61 | 0.08 | 0.27 | 0.0064 | 0.0729 |
| 2 | 3.68 | 3.54 | 0.2 | 0.2 | 0.04 | 0.0729 |
| 3 | 3.55 | 3.15 | 0.07 | -0.19 | 0.0049 | 0.0729 |

| | | | | | | |
|----|------|------|-------|-------|--------|--------|
| 4 | 3.66 | 3.1 | 0.18 | -0.24 | 0.0324 | 0.0729 |
| 5 | 3.63 | 3.17 | 0.15 | -0.17 | 0.0225 | 0.0729 |
| 6 | 3.43 | 3.15 | -0.05 | -0.19 | 0.0025 | 0.0729 |
| 7 | 3.40 | 3.28 | -0.08 | -0.06 | 0.0064 | 0.0729 |
| 8 | 3.45 | 3.36 | -0.03 | 0.02 | 0.0009 | 0.0729 |
| 9 | 3.65 | 3.43 | 0.17 | 0.09 | 0.0289 | 0.0729 |
| 10 | 3.61 | 3.64 | 0.13 | 0.3 | 0.0169 | 0.0729 |
| 11 | 3.54 | 3.33 | 0.06 | -0.01 | 0.0036 | 0.0729 |
| 12 | 3.45 | 3.46 | -0.03 | 0.12 | 0.0009 | 0.0729 |
| 13 | 3.47 | 3.44 | -0.01 | 0.1 | 0.0001 | 0.0729 |
| 14 | 3.37 | 3.29 | -0.11 | -0.05 | 0.0121 | 0.0729 |
| 15 | 3.39 | 3.41 | -0.09 | 0.07 | 0.0081 | 0.0729 |
| 16 | 3.41 | 3.63 | -0.07 | 0.29 | 0.0049 | 0.0729 |
| 17 | 3.43 | 3.43 | -0.05 | 0.09 | 0.0025 | 0.0729 |
| 18 | 3.29 | 3 | -0.19 | -0.34 | 0.0361 | 0.0729 |
| 19 | 3.27 | 3.27 | -0.21 | -0.07 | 0.0441 | 0.0729 |

| | | | | | | |
|----|--------------------|--------------------|-------|-------|-------------------------|-------------------------|
| 20 | 3.22 | 3.42 | -0.26 | 0.08 | 0.0676 | 0.0729 |
| 21 | 3.44 | 3.11 | -0.04 | -0.23 | 0.0016 | 0.0729 |
| 22 | 3.57 | 3.21 | 0.09 | -0.13 | 0.0081 | 0.0729 |
| 23 | 3.59 | 3.41 | 0.11 | 0.07 | 0.0121 | 0.0729 |
| 24 | 3.56 | 3.24 | 0.08 | -0.1 | 0.0064 | 0.0729 |
| 25 | 3.52 | 3.52 | 0.04 | 0.18 | 0.0016 | 0.0729 |
| 26 | 3.66 | 3.33 | 0.18 | -0.01 | 0.0324 | 0.0729 |
| 27 | 3.46 | 3.2 | -0.02 | -0.14 | 0.0004 | 0.0729 |
| 28 | 3.23 | 3.35 | -0.25 | 0.01 | 0.0625 | 0.0729 |
| | $\Sigma X = 97.49$ | $\Sigma Y = 93.48$ | | | $\Sigma x^2 =$ 0.466 | $\Sigma y^2 =$ 0.761 |

a. The writer counts the mean of each variable

To know the comparative study in a research, the first step is count mean of each variable.

1) Mean of IPK score of students who do private tutoring

$$M1 = \frac{\Sigma x}{N}$$

$$M1 = \frac{97.49}{28}$$

$$M1 = 3.48$$

- 2) Mean of IPK score of students who do not private tutoring activity

$$M2 = \frac{\sum x}{N}$$

$$M2 = \frac{93.48}{28}$$

$$M2 = 3.34$$

- b. The writer counts the standard deviation of each major

The second step to know the comparative study is count the standard deviation of each variable.

- 1) Standard deviation of students who do private tutoring activity

$$SD_1 = \sqrt{\frac{\sum x^2}{N}}$$

$$SD_1 = \sqrt{\frac{0.466}{28}}$$

$$SD_1 = \sqrt{0.167}$$

$$SD_1 = 0.409$$

- 2) Standard deviation of students who do not private tutoring activity

$$SD_2 = \sqrt{\frac{\sum y^2}{N}}$$

$$SD_2 = \sqrt{\frac{0.761}{28}}$$

$$SD_2 = \sqrt{0.027}$$

$$SD_2 = 0.164$$

- c. The writer counts the standard error of mean from each major

The third step to know the comparative study is count the standard error of mean from each major.

- 1) Standard error of mean from students who do private tutoring activity

$$SE_{M1} = \frac{SD_1}{\sqrt{N-1}}$$

$$SE_{M1} = \frac{0.409}{\sqrt{28-1}}$$

$$SE_{M1} = \frac{0.409}{\sqrt{27}}$$

$$SE_{M1} = \frac{0.409}{5.2}$$

$$SE_{M1} = 0.078$$

- 2) Standard error of mean from students who do private tutoring activity

$$SE_{M2} = \frac{SD_2}{\sqrt{N-1}}$$

$$SE_{M2} = \frac{0.164}{\sqrt{28-1}}$$

$$SE_{M2} = \frac{0.164}{\sqrt{27}}$$

$$SE_{M2} = \frac{0.164}{5.2}$$

$$SE_{M_2} = 0.031$$

- d. The writer counts standard error from both samples

The fourth step to know the comparative study is count the standard error from both samples.

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

$$SE_{M_1-M_2} = \sqrt{0.078^2} + \sqrt{0.031^2}$$

$$SE_{M_1-M_2} = \sqrt{0.00608} + \sqrt{0.00096}$$

$$SE_{M_1-M_2} = \sqrt{0.00704}$$

$$SE_{M_1-M_2} = 0.08$$

- e. The writer counts *t-test*

The fifth step is count the *t-test*. Based on calculation of Mean variable I and II also the differences of Standard Error of its mean which are $M_1 = 3.48$ and $M_2 = 3.34$, the writer substitutes them in pattern of *t-test* as follow:

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

$$t = \frac{3.48 - 3.34}{0.08}$$

$$t = 1.75$$

- f. Giving interpretation for “t” with consulting *t-table*

- 1) Looking for degree

After having the t-test score, the writer looks at the *t-table* by calculating the degrees of freedom.

$$\begin{aligned} df/db &= N1+N2-2 \\ &= 28+28-2 \\ &= 54 \end{aligned}$$

2) Consulting score of “db/df” with “t table”

After the writer finds the df (the degrees of freedom), the writer refer to *t-table* at 54 degrees of freedom with the significance level 5% and also with the significance level 1%. By referring the *t-test* of the students to the *t-table* at 54 degrees of freedom and find the calculate value of t lies between critical values of 2.02 at 5% and 2.71 at 1%. The table can be seen in appendix.

g. The writer makes a conclusion

Based on the explanation of the formulas above, it is clearly seen that t count (1.75) < t-table 5% (2.02) < t-table 1% (2.71). t-table is higher than t count. Ho (Zero Hypothesis) is accepted and Ha (Alternative Hypothesis) is rejected. By this result, the writer concludes that Ha is rejected.

As the result, there is no significance difference students' achievement between those who do and do not do private tutoring activity of English department of IAIN Antasari Banjarmasin.

B. Discussion

After all obtained data are presented, they are also needed to be analyzed. To analyze the data, the writer divides the description based on the problem statements which are stated on the chapter 1.

Students who do and do not do private tutoring activity

From the finding, it is seen mean score of students who do private tutoring is 3.48 and do not private tutoring is 3.34. Based on the explanation of the formulas above, it is clearly seen that $t \text{ count } (1.75) < t\text{-table } 5\% (2.02) < t\text{-table } 1\% (2.71)$. $t\text{-table}$ is higher than $t \text{ count}$. H_a (Alternative Hypothesis) is rejected and H_o (Zero Hypothesis) is accepted. By this result, the writer concludes that H_o is accepted.