## CHAPTER IV

## FINDINGS AND DISCUSSION

## A. Findings

## 1. General Description of Research Location

a. The Brief History about Language Service Center (PPB) IAIN Antasari Banjarmasin

The research has been done at Language Service Center (PPB) IAIN Antasari Banjarmasin. It is located on KM 4,5 Jalan Ahmad Yani, Banjarmasin. Language Service Center (PPB) IAIN Antasari was originally named Language Institute of IAIN Antasari, which was founded in 1975. In 1989 changed to Language Services Unit (UPB) IAIN Antasari. Then in early 2002 turned into a Language Service Center (PPB) IAIN Antasari until now.

Since Language Institute of IAIN Antasari was founded in 1975 until 1989, it experienced several changes of director. They were:
a. H. Muhammad Daud Yahya (1975-1977);
b. Drs. Muhammad Ramli (1977-1979);
c. Drs. Anwar Masy'ari (1979-1982);
d. Drs. H. Syaifuddin Syukur, MA (1982-1986); and
e. Drs. H. Abdurrahim Yasin, Lc (1986-1989).

In 1989, the Language Institute of IAIN Antasari turned into Language Services Unit of IAIN Antasari that led by a head who was appointed by the rector. There were four heads of Language Services Unit of IAIN Antasari, they were:
a. Drs. H. Abdurrahim Yasin, Lc (1989-1995);
b. Drs. Burhanuddin Abdullah, M.Ag (1995-1997);
c. Drs. Isa Anshari MZ (1997-2000); and
d. Drs.. Abdulkadir Munsyi, Dip. Ad.Ed (2000-2001)

In early 2002, the Language Services Unit of IAIN Antasari turned into Language Service Center (PPB) IAIN Antasari. it is a non-structural organization that led by a head, the coordinator is the Vice Rector, and Rector as responsible person. There has four heads of Language Service Center (PPB) IAIN Antasari since 2002 until now.
a. Dr. Hadariansyah, MA. (2002- December 2003);
b. Syaifuddin A. Husin, MA (2004 - July 2005);
c. Drs. H. Ahmad Gazali, M.Ag (August 2005 - July 2009)
d. Drs. H. M. Amin Djamaludin, MA. (2009 - now)

The Language Service Center has goals as follows:

- To build students' knowledge and skill in Arabic and English, either active or passive, so that they are able to compete in this globalized era.
- To build students’ independence and participating individuals in developing the nation of Indonesia; in supporting the government to educate the nation to be competent in a foreign language.
- To guide students in taking the test of entry of post graduate program after they graduate from IAIN Antasari Banjarmasin.
b. Description about Facilities of Language Service Center (PPB) IAIN Antasari Banjarmasin

Language Service Center (PPB) IAIN Antasari has facilities such as an office, a language laboratory (owned by Institute), and a library that consists some books of General, Language, and Religion. While the rooms for learning is by using some rooms of faculties in IAIN Antasari Banjarmasin, included their classroom facilities like LCD, fan, etc. For more information about them can be seen in appendix 1.
c. Description about Lecturers, Administration staff, and Students population of Language Service Center (PPB) IAIN Antasari Banjarmasin

- Lecturers

There are 46 lecturers and 12 assistants of Language Service Center (PPB) IAIN Antasari Banjarmasin. They are from different educational background but they have great knowledge of English.

For more information about them can be seen in appendix 2.

- Staff

The staffs of Language Service Center (PPB) IAIN Antasari Banjarmasin are 3 people, for more information about them can be seen in appendix 3.

- Students

The numbers of students at Language Service Center (PPB) IAIN Antasari Banjarmasin in academic year 2012/2013 are 1078 students. They are divided into 51 rooms; each room consists of $\pm 21$ students. More information about them can be seen in appendix 4.
d. The Handbook of Language Service Center (PPB) IAIN Antasari for Teachers and Students.

In Language Service Center (PPB) at IAIN Antasari Banjarmasin, the English teachers use Interchange Third Edition (Student's Book 1 \& 2)
is created by Jack C. Richards, Jonathan Hull, and Susan Proctor for guiding their teaching. This book is also used by all students. In addition, the book 1 or 2 is used to help the learning process in PPB for a semester ( $\pm 6$ months).

Interchange Third edition is a four-level series for adult and youngadult learners of English from the beginning to the high-intermediate level. The Interchange Third Edition Level 1 Student's Book builds on the foundations established in the Intro for accurate and fluent communication, extending grammatical, lexical, and functional skills. Topics such as school, work, leisure activities, entertainment, and food are presented in unique ways using interesting real-life information. The Student's Book contains 16 teaching units, frequent progress checks that allow students to assess and monitor their own learning.

While The Interchange Third Edition Level 2 (Cambridge interchange 2) Student's Book builds on the foundations established in Level 1 for accurate and fluent communication, extending grammatical, lexical, and functional skills. Each Unit includes up-to-date content, additional grammar practice and more opportunities to develop speaking and listening skills. Topics such as travel, childhood, customs, personality, and predicaments are presented in unique ways using interesting real-life information.
2. Data about Grammar Mastery of the Students of SMA, MA, SMK and Islamic Boarding School Graduates at Language Service Center (PPB) IAIN Antasari Banjarmasin Academic Year 2012-2013.

To better understand about students' grammar mastery, the writer conducted a written test on $24^{\text {th }}$ of May 2013, $30^{\text {th }}$ of May 2013, $31^{\text {st }}$ of May 2013 and $1^{\text {st }}$ of June 2013 at Language Service Center (PPB) classes.

This test containing 40 items for 45 minutes, which consist of 20 questions for multiple choice (right answer will be score 2,5), 10 questions for choosing true/false (right answer will be score 2), and 10 questions for completing the blank test (right answer will be score 3). The highest score is 100 and the lowest is 0.

Based on the grammar test result of the students of SMA, MA, SMK and Islamic Boarding School graduates at Language Service Center (PPB) IAIN Antasari Banjarmasin academic year 2012-2013, it can be seen in these tables below:

Table 4.1 The Students' Grammar Test Result of Senior High School (SMA) Graduates at Language Service Center (PPB) IAIN Antasari Banjarmasin Academic Year 2012-2013.

| Subject <br> Number | Test Type |  |  | Score |
| :---: | :---: | :---: | :---: | :---: |
|  | Multiple Choice | True and False test | Fill in the blank test |  |
| 1. | 30 | 14 | 24 | 68 |
| 2. | 37.5 | 12 | 21 | 70.5 |
| 3. | 42.5 | 12 | 27 | 81.5 |
| 4. | 32.5 | 12 | 15 | 59.5 |
| 5. | 45 | 18 | 21 | 84 |
| 6. | 35 | 14 | 18 | 67 |
| 7. | 37.5 | 12 | 18 | 67.5 |
| 8. | 40 | 10 | 21 | 71 |
| 9. | 42.5 | 12 | 27 | 81.5 |
| 10. | 32.5 | 14 | 18 | 64.5 |
| 11. | 27.5 | 8 | 12 | 47.5 |
| 12. | 30 | 12 | 12 | 54 |
| 13. | 27.5 | 12 | 9 | 48.5 |
| 14. | 30 | 12 | 18 | 60 |
| 15. | 30 | 18 | 21 | 69 |
| 16. | 30 | 10 | 18 | 58 |
| 17. | 42.5 | 12 | 24 | 78.5 |
| 18. | 20 | 12 | 24 | 56 |
| 19. | 20 | 10 | 21 | 51 |
| 20. | 32.5 | 8 | 21 | 61.5 |
| 21. | 35 | 20 | 9 | 64 |
| 22. | 32.5 | 14 | 24 | 70.5 |
| 23. | 27.5 | 14 | 21 | 62.5 |
| 24. | 37.5 | 14 | 21 | 72.5 |
| 25. | 37.5 | 16 | 18 | 71.5 |
| 26. | 32.5 | 10 | 15 | 57.5 |
| 27. | 32.5 | 16 | 24 | 72.5 |
| Total |  |  |  | 1770 |
| Mean Score |  |  |  | 65, 56 |

Based on the table above, it shows that the score of the students of SMA graduates at PPB in IAIN Antasari Banjarmasin. The highest score is 84 which are divided in multiple choice score is 45 , choosing true or false is 18 , and filling in the blank is 21 . While the lowest score is 48.5 which are divided in multiple choice is 27.5 , replacing the word is 12 , and filling in the blank is 9 . Then, the accumulated score is 1770 .


Fig. 4.1 Frequency of the Students' Grammar Test Result of SMAGraduates

Table 4.2 The Frequency Distribution of the Students' Grammar Test Result of Senior High School (SMA) Graduates at Language Service Center (PPB) IAIN Antasari Banjarmasin Academic Year 2012-2013.

| No | Score | Frequency | Percentage \% | Category |
| :---: | :--- | :---: | :---: | :--- |
| 1 | $80-100$ | 3 | 11,11 | Excellent |
| 2 | $70-<80$ | 7 | 25,93 | Good |
| 3 | $60-<70$ | 9 | 33,33 | Fair |
| 4 | $50-<60$ | 6 | 22,22 | Low |
| 5 | $0-<50$ | 2 | 7,41 | Very Low |
|  |  | 27 | 100 |  |

From the table above, it can be seen that there are 3 students ( $11,11 \%$ ) whose score are around 80 - 100 that classified in Excellent Category. There are 7 students $(25,93 \%)$ whose score are around $70-<80$ that classified in Good Category. There are 9 students $(33,33 \%)$ whose score are around $60-<70$ that classified in Fair Category. There are 6 students $(22,22 \%)$ whose score are around 50-<60 that classified in Low Category. Meanwhile, there are 2 students ( $7,41 \%$ ) whose score are around $0-<50$ that classified in Very Low Category.

To know the students' grammar mastery of SMA graduates at PPB, the writer uses the accounting of mean score as follows:
$M_{1}=\frac{\sum x}{N}=\frac{1770}{27}=65,56$

So, the students' grammar mastery of SMA graduates at Language Service Center (PPB) can be concluded in Fair Category.

Table 4.3 The Students' Grammar Test Result of Islamic High School (MA) Graduates at Language Service Center (PPB) IAIN Antasari Banjarmasin Academic Year 2012-2013.

| Subject Number | Test Type |  |  | Score |
| :---: | :---: | :---: | :---: | :---: |
|  | Multiple Choice | True and False test | Fill in the blank test |  |
| 1. | 22.5 | 16 | 21 | 59.5 |
| 2. | 50 | 12 | 21 | 83 |
| 3. | 27.5 | 16 | 15 | 58.5 |
| 4. | 42.5 | 18 | 18 | 78.5 |
| 5. | 40 | 10 | 24 | 74 |
| 6. | 35 | 12 | 27 | 74 |
| 7. | 40 | 8 | 24 | 72 |
| 8. | 37.5 | 16 | 21 | 74.5 |
| 9. | 42.5 | 10 | 27 | 79.5 |
| 10. | 40 | 12 | 21 | 73 |
| 11. | 32.5 | 14 | 21 | 67.5 |
| 12. | 37.5 | 12 | 15 | 64.5 |
| 13. | 35 | 8 | 21 | 64 |
| 14. | 32.5 | 14 | 18 | 64.5 |
| 15. | 35 | 18 | 21 | 74 |
| 16. | 35 | 16 | 18 | 69 |
| 17. | 45 | 14 | 27 | 86 |
| 18. | 42.5 | 16 | 21 | 79.5 |
| 19. | 25 | 12 | 12 | 49 |
| 20. | 35 | 16 | 24 | 75 |
| 21. | 42.5 | 8 | 15 | 65.5 |
| 22. | 22.5 | 16 | 24 | 62.5 |
| 23. | 30 | 10 | 21 | 61 |
| 24. | 30 | 12 | 24 | 66 |
| 25. | 32.5 | 16 | 21 | 69.5 |
| 26. | 37.5 | 8 | 15 | 60.5 |
| $27 /$ | 35 | 10 | 18 | 63 |
| Total |  |  |  | 1867.5 |
| Mean Score |  |  |  | 69, 17 |

Based on the table above, it shows that the score of MA graduates at PPB in IAIN Antasari Banjarmasin. The highest score is 86 which are divided in multiple choice score is 45 , choosing true or false is 14 , and filling in the blank is 27 . While the lowest score is 49 which are divided in multiple choice is 25 , replacing the word is 12 , and filling in the blank is 12 . Then, the accumulated score is 1867,5 .


Fig. 4.2 Frequency of the Students' Grammar Test Result of MA Graduates

Table 4.4 The Frequency Distribution of The Students' Grammar Test Result of Islamic High School (MA) Graduates at Language Service Center (PPB) IAIN Antasari Banjarmasin Academic Year 2012-2013.

| No | Score | Frequency | Percentage \% | Category |
| :---: | :--- | :---: | :---: | :--- |
| 1 | $80-100$ | 2 | 7,41 | Excellent |
| 2 | $70-<80$ | 10 | 37,04 | Good |
| 3 | $60-<70$ | 12 | 44,44 | Fair |
| 4 | $50-<60$ | 2 | 7,41 | Low |
| 5 | $0-<50$ | 1 | 3,70 | Very Low |
|  |  | 27 | 100 |  |

From the table above, it can be seen that there are 2 students $(7,41 \%)$ whose score are around $80-100$ that classified in Excellent Category. There are 10 students $(37,04 \%)$ whose score are around $70-<80$ that classified in Good Category. There are 12 students $(44,44 \%)$ whose score are around 60 $<70$ that classified in Fair Category. There are 2 students (7,41\%) whose score are around $50-<60$ that classified in Low Category. Meanwhile, there are 1 students $(3,70 \%)$ whose score are around $0-<50$ that classified in Very Low Category.

To know the students' grammar mastery of MA graduates at Language Service Center (PPB), the writer uses the accounting of mean score as follows:

$$
M_{2}=\frac{\sum x}{N}=\frac{1867,5}{27}=69,17
$$

So, the students' grammar mastery of MA graduates at Language Service Center (PPB) can be concluded in Fair Category.

Table 4.5 The Students' Grammar Test Result of Vocational High School (SMK) Graduates at Language Service Center (PPB) IAIN Antasari Banjarmasin Academic Year 2012-2013.

| Subject Number | Test Type |  |  | Score |
| :---: | :---: | :---: | :---: | :---: |
|  | Multiple Choice | True and False test | Fill in the blank test |  |
| 1. | 35 | 12 | 21 | 68 |
| 2. | 30 | 14 | 12 | 56 |
| 3. | 32.5 | 14 | 24 | 70.5 |
| 4. | 27.5 | 4 | 3 | 34.5 |
| 5. | 25 | 18 | 24 | 67 |
| 6. | 37.5 | 14 | 21 | 72.5 |
| 7. | 25 | 14 | 18 | 57 |
| 8. | 32.5 | 6 | 3 | 41.5 |
| 9. | 35 | 18 | 15 | 68 |
| 10. | 35 | 14 | 6 | 55 |
| 11. | 37.5 | 10 | 18 | 65.5 |
| 12. | 40 | 12 | 15 | 67 |
| 13. | 25 | 16 | 15 | 56 |
| 14. | 35 | 14 | 9 | 58 |
| 15. | 40 | 14 | 21 | 75 |
| 16. | 35 | 16 | 18 | 69 |
| 17. | 27.5 | 12 | 18 | 57.5 |
| 18.. | 30 | 12 | 21 | 63 |
| 19.. | 40 | 16 | 18 | 74 |
| 20. | 17.5 | 14 | 15 | 46.5 |
| 21. | 25 | 12 | 9 | 46 |
| 22. | 35 | 8 | 12 | 55 |
| 23. | 35 | 14 | 27 | 76 |
| 24. | 30 | 14 | 9 | 53 |
| 25. | 35 | 14 | 15 | 64 |
| 26. | 30 | 14 | 15 | 59 |
| 27. | 32.5 | 10 | 15 | 57.5 |
| Total |  |  |  | 1632 |
| Mean Score |  |  |  | 60, 44 |

Based on the table above, it shows that the students' score of SMK graduates at PPB in IAIN Antasari Banjarmasin. The highest score is 76 which are divided in multiple choice score is 35 , choosing true or false is 14 , and filling in the blank is 27 . While the lowest score is 34,5 which are divided in multiple choice is 27,5 , replacing the word is 4 , and filling in the blank is 3 . Then, the accumulated score is 1632 .


Fig. 4.3 Frequency of The Students' Grammar Test Result of SMK Graduates

Table 4.6 The Frequency Distribution of Students' Grammar Test Result of Vocational High School (SMK) Graduates at Language Service Center (PPB) IAIN Antasari Banjarmasin Academic Year 20122013.

| No | Score | Frequency | Percentage \% | Category |
| :---: | :---: | :---: | :---: | :--- |
| 1 | $80-100$ | 0 | 0,00 | Excellent |
| 2 | $70-<80$ | 5 | 18,52 | Good |
| 3 | $60-<70$ | 8 | 29,63 | Fair |
| 4 | $50-<60$ | 10 | 37,04 | Low |
| 5 | $0-<50$ | 4 | 14,81 | Very Low |
|  |  | 27 | 100 |  |

From the table above, it can be seen that there are 0 students $(0,00 \%)$ whose score are around $80-100$ that classified in Excellent Category. There are 5 students (18,52\%) whose score are around $70-<80$ that classified in Good Category. There are 8 students $(29,63 \%)$ whose score are around $60-<70$ that classified in Fair Category. There are 10 students (37,04\%) whose score are around 50-<60 that classified in Low Category. Meanwhile, there are 4 students $(14,81 \%)$ whose score are around $0-<50$ that classified in Very Low Category.

To know the students' grammar mastery of SMK graduates at Language Service Center (PPB), the writer uses the accounting of mean score as follows:
$M_{3}=\frac{\sum x}{N}=\frac{1632}{27}=60,44$

So, the students' grammar mastery of MA graduates at Language Service Center (PPB) can be concluded in Fair Category.

Table 4.7 The Students' Grammar Test Result of Islamic Boarding School (Ponpes) Graduates at Language Service Center (PPB) IAIN Antasari Banjarmasin Academic Year 2012-2013.

| Subject Number | Test Type |  |  | Score |
| :---: | :---: | :---: | :---: | :---: |
|  | Multiple Choice | True and False test | Fill in the blank test |  |
| 1. | 40 | 20 | 21 | 81 |
| 2. | 30 | 20 | 21 | 71 |
| 3. | 30 | 18 | 24 | 72 |
| 4. | 32.5 | 12 | 24 | 68.5 |
| 5. | 27.5 | 10 | 12 | 49.5 |
| 6. | 17.5 | 10 | 6 | 33.5 |
| 7. | 30 | 10 | 15 | 55 |
| 8. | 37.5 | 14 | 18 | 69.5 |
| 9. | 35 | 14 | 15 | 64 |
| 10. | 25 | 16 | 12 | 53 |
| 11. | 22.5 | 10 | 18 | 50.5 |
| 12. | 32.5 | 14 | 18 | 64.5 |
| 13. | 27.5 | 18 | 3 | 48.5 |
| 14. | 32.5 | 16 | 21 | 69.5 |
| 15. | 30 | 20 | 21 | 71 |
| 16. | 22.5 | 8 | 21 | 51.5 |
| 17. | 30 | 12 | 21 | 63 |
| 18. | 37.5 | 14 | 21 | 72.5 |
| 19. | 32.5 | 12 | 27 | 71.5 |
| 20. | 32.5 | 14 | 18 | 64.5 |
| 21. | 12.5 | 16 | 18 | 46.5 |
| 22. | 37.5 | 12 | 24 | 73.5 |
| 23. | 22.5 | 18 | 15 | 55.5 |
| 24. | 20 | 16 | 18 | 54 |
| 25. | 30 | 8 | 15 | 53 |
| 26. | 17.5 | 10 | 12 | 39.5 |
| 27. | 37.5 | 18 | 27 | 82.5 |
| Total |  |  |  | 1648.5 |
| Mean Score |  |  |  | 61, 06 |

Based on the table above, it shows that the students' score of Boarding School graduates at PPB in IAIN Antasari Banjarmasin. The highest score is 82,5 which are divided in multiple choice score is 37,5 , choosing true or false is 18, and filling in the blank is 27 . While the lowest score is 33,5 which are divided in multiple choice is 17,5 , replacing the word is 10 , and filling in the blank is 6 . Then, the accumulated score is 1648,5 .


Fig. 4.4 Frequency of The Students' Grammar Test Result of Boarding School Graduates

Table 4.8 The Frequency Distribution of The Students' Grammar Test Result of Boarding School (Ponpes) Graduates at Language Service Center (PPB) IAIN Antasari Banjarmasin Academic Year 2012-2013.

| No | Score | Frequency | Percentage \% | Category |
| ---: | :--- | :---: | :---: | :--- |
| 1 | $80-100$ | 2 | 7,41 | Excellent |
| 2 | $70-<80$ | 6 | 22,22 | Good |
| 3 | $60-<70$ | 7 | 25,93 | Fair |
| 4 | $50-<60$ | 7 | 25,93 | Low |
| 5 | $0-<50$ | 5 | 18,52 | Very Low |
|  |  | 27 | 100 |  |

From the table above, it can be seen that there are 2 students $(7,41 \%)$ whose score are around 80-100 that classified in Excellent Category. There are 6 students $(22,22 \%)$ whose score are around $70-<80$ that classified in Good Category. There are 7 students $(25,93 \%)$ whose score are around $60-<70$ that classified in Fair Category. There are 7 students $(25,93 \%)$ whose score are around 50-<60 that classified in Low Category. Meanwhile, there are 5 students ( $18,52 \%$ ) whose score are around $0-<50$ that classified in Very Low Category.

To know the students' grammar mastery of Boarding School graduates at Language Service Center (PPB), the writer uses the accounting of mean score as follows:

$$
M_{4}=\frac{\sum x}{N}=\frac{1648,5}{27}=61,06
$$

So, the students' grammar mastery of Boarding School graduates at Language Service Center (PPB) can be concluded in Fair Category.

## B. Discussion

This analysis uses two variables, namely "Educational Background" is categorical (nominal) and "grammar" is ratio (scale). To determine whether the four different educational backgrounds have different influence on students' mastery of grammar at Language Service Center (PPB) IAIN Antasari Banjarmasin, the writer uses statistical analysis "one way ANOVA" though SPSS statistics 17.0.

Based on the result of the test above, the writer calculates the mean formula of each group of student. It can be seen here.
$M_{1}=\frac{\sum x}{N}=\frac{1770}{27}=65,56$
$M_{2}=\frac{\sum x}{N}=\frac{1867,5}{27}=69,17$
$M_{3}=\frac{\sum x}{N}=\frac{1632}{27}=60,44$
$M_{4}=\frac{\sum x}{N}=\frac{1648,5}{27}=61,06$

From the result above have not shown a significant difference on grammar mastery between the students of SMA, MA, SMK and Boarding School graduates at Language Service Center (PPB) IAIN Antasari Banjarmasin. To see the difference, we have to conduct the assumption test first.

## 1. Testing Assumptions

a. Normality Test

In statistics, normality tests are used to determine whether a data set is well-modeled by a normal distribution or not. In this normality test, the writer uses the Kolmogorov-Smirnov in SPSS 17 for windows. This test says normal if the significance is more than 0.05 .

Table 4.9
Tests of Normality

| Education | Kolmogorov- |  |  |  |  | Smirnov $^{\text {a }}$ |  |  |
| :--- | :--- | ---: | ---: | ---: | ---: | ---: | :---: | :---: |

a. Lilliefors Significance Correction
*. This is a lower bound of the true significance.

The output above shows that the data is normally distributed. It can be seen from the significance is $0.200(0.200>0.05)$, so the data is considered normal.
b. Homogeneity of Variance Test

The writer tests this assumption in SPSS using Levene's test for homogeneity of variances. Its assumption is that the variances must be equal or homogeneous. Testing criteria, this is if the significance $<0.05$, so the variances are not equal; otherwise, if the significance $>0.05$, so variances are equal.

Table 4.10
Test of Homogeneity of Variances
Grammar

| Levene Statistic | df1 | df2 | Sig. |
| :---: | :---: | :---: | :---: |
| 2.031 | 3 | 104 | .114 |

From output above, it can be seen that the significance or $p$ value $>0.05$ (0.114>0.05). So, it can be concluded that the variances are equal and the homogeneity of variance assumption has been met.

## Hypothesis Tests

In this research, the writer uses the one-way analysis of variance (ANOVA). It is used to determine whether there is any significant difference on grammar mastery between the students of SMA, MA, SMK and Boarding

School graduates at Language Service Center (PPB). The test result of one-way ANOVA can be seen in Table 4.11 below:

Table 4.11
ANOVA
Grammar

|  | Sum of Squares | df | Mean <br> Square | F | Sig. |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Between <br> Groups | 1361.167 | 3 | 453.722 | 4.214 | .007 |
| Within <br> Groups <br> Total | 11198.000 | 104 | 107.673 |  |  |

From the output obtained F ratio is 4.214 and $\mathrm{F}_{\text {table }}$; df $1(\mathrm{k}-1)=4-1=$ 3 , and df $2(n-4)=108-4=104$ at the $\alpha=0.05$ level is 2.69 (see appendix of F table).

## Criteria of testing:

- If F ratio $<\mathrm{F}_{\text {table }}$, so Ho is accepted
- If F ratio $>\mathrm{F}_{\text {table }}$, so Ho is rejected

Thus, $\mathrm{F}_{\text {ratio }}>\mathrm{F}_{\text {table }}(4.214>2.69)$ so that Ho is rejected. By this result, the writer concluded that there is significant difference on grammar mastery between the students of SMA, MA, SMK and Boarding School graduates. In this case, the educational background has influence on grammar mastery of the students at Language Service Center (PPB) IAIN Antasari Banjarmasin
academic year 2012-2013. It found that MA and SMA graduates were not difficult to learn grammar, while Pesantren and SMK graduates, they have little difficulties. It's because some of them never or still have a bit of information about the grammar materials when they were in secondary high school.

Because the results are statistically significant, so the writer needs to the next statistical analysis, which is multiple groups comparison or post-hoc test. It is done to compare one group with another group, one by one and not simultaneously. The process is basically the same as the t-test. In this research, writer uses Scheffe and Tukey's HSD. It can see the table 4.12 below:

Table 4.12
Multiple Comparisons
Dependent Variable: grammar

|  | (I) educati on | (J) education | Mean Difference (I-J) | Std. <br> Error | Sig. | 95\% Confidence Interval |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Lower Bound | Upper <br> Bound |
| Tukey HSD | SMA | MA | -3.6111 | 2.8241 | . 579 | -10.985 | 3.763 |
|  |  | SMK | 5.1111 | 2.8241 | . 275 | -2.263 | 12.485 |
|  |  | Ponpes | 4.5000 | 2.8241 | . 387 | -2.874 | 11.874 |
|  | MA | SMA | 3.6111 | 2.8241 | . 579 | -3.763 | 10.985 |
|  |  | SMK | $8.7222^{*}$ | 2.8241 | . 014 | 1.348 | 16.096 |
|  |  | Ponpes | 8.1111* | 2.8241 | . 025 | . 737 | 15.485 |
|  | SMK | SMA | -5.1111 | 2.8241 | . 275 | -12.485 | 2.263 |
|  |  | MA | -8.7222 ${ }^{*}$ | 2.8241 | . 014 | -16.096 | -1.348 |
|  |  | Ponpes | -. 6111 | 2.8241 | . 996 | -7.985 | 6.763 |
|  | Ponpes | SMA | -4.5000 | 2.8241 | . 387 | -11.874 | 2.874 |
|  |  | MA | -8.1111* | 2.8241 | . 025 | -15.485 | -. 737 |
|  |  | SMK | . 6111 | 2.8241 | . 996 | -6.763 | 7.985 |
| Scheffe | SMA | MA | -3.6111 | 2.8241 | . 653 | -11.637 | 4.415 |
|  |  | SMK | 5.1111 | 2.8241 | . 356 | -2.915 | 13.137 |
|  |  | Ponpes | 4.5000 | 2.8241 | . 472 | -3.526 | 12.526 |
|  | MA | SMA | 3.6111 | 2.8241 | . 653 | -4.415 | 11.637 |
|  |  | SMK | 8.7222* | 2.8241 | . 027 | . 697 | 16.748 |
|  |  | Ponpes | 8.1111* | 2.8241 | . 047 | . 085 | 16.137 |
|  | SMK | SMA | -5.1111 | 2.8241 | . 356 | -13.137 | 2.915 |
|  |  | MA | -8.7222* | 2.8241 | . 027 | -16.748 | -. 697 |
|  |  | Ponpes | -. 6111 | 2.8241 | . 997 | -8.637 | 7.415 |
|  | Ponpes | SMA | -4.5000 | 2.8241 | . 472 | -12.526 | 3.526 |
|  |  | MA | -8.1111* | 2.8241 | . 047 | -16.137 | -. 085 |
|  |  | SMK | . 6111 | 2.8241 | . 997 | -7.415 | 8.637 |

*. The mean difference is significant at the 0.05 level.

From the output, through Post Hoc Test: Scheffe and Tukey's HSD are known the differences between groups are summarized as follows:

- The comparison between educational background of MA - SMK :
significant
- The comparison between educational background of MA - Ponpes :
significant

We can also see how far difference the mastery of grammar from the four educational backgrounds based on their means score. For more details, see chart below:


Fig. 4.5 Mean Score

From the chart above, we can see that the students who come from boarding school (Ponpes), which have mean score is 61,06 and vocational schools (SMK), which have mean score is 60,44 are less in mastering grammar. When collecting the data, the writer found that most of them get difficulties on some materials of grammar that has been taught in PPB B, including adverbs of quantity and simple present perfect.

1. Adverb of quantity; the students still have problems in deciding which is countable nouns and uncountable nouns. So that they are often mistaken in using adverbs of quantity to the appropriate noun.
2. Simple present perfect; as we know adverbs such as already, yet, still, so far, ever and never are frequently used with the present perfect to express the connection between the past and the present. In this case, some students find little problem to arrange or put adverbs in simple present tense. For example : they answer is We have prepared already dinner, actually the correct is We have already prepared dinner.
