

CHAPTER IV

RESEARCH FINDING AND DISCUSSION

A. Description of Research Finding

To find out the influence on teachers Pedagogic Competence in the view of EFL learners towards students achievement on Private Junior High School in sub-districts of Ngaliyan Semarang especially grade of ninth year of 2016/2017. The researcher carried out an analysis of quantitative data. The data was obtained by giving questionnaire to samples from three schools. The researcher prepared 19 questions as the instrument of questionnaire. The subjects of this research were divided into three samples from three schools, they are:

No	School	Student Sample
1	SMP Hasanuddin7	33
2	SMP Nurul Islam	32
3	SMP Hj. Isriati	35
Total		100

Table.2.5 The Number of Sample Grade of SMP in Sub-districts of Ngaliyan Semarang

B. The Description of Research Data

The research data result consists of independent variable is teachers Pedagogic competence in the view of EFL learners (X), and dependent variable is students achievement in EFL at ninth grade of Private Junior High School in Sub-districts of Ngaliyan Semarang in academic year of 2016/2017 (Y). In this section was described from data of each variable that has been

counted from the average (mean), median, mode and Deviation Standard. It also presented a frequency of distribution table and chart on the distribution frequency of each variable. Because there are three schools in Ngaliyan Semarang that have a teacher certified, then we discussed it from the scope of school into whole of school.

1. Certified Teachers of Pedagogic Competence in the View of EFL Learners

a. SMP Hasanuddin 07 Semarang

Teachers Pedagogic competence in the view of EFL learners (X) is about influence of certified teachers. It was obtained by questionnaire consists of 19 question by 33 student and there are 4 answer where the highest score is 4 and the lowest score is 1.

Before the researcher analyzed data generally, then the researcher was analyzed specifically in each indicator of Pedagogic Competence. Where for each indicator consists of two question of questionnaire, by the result are:

- 1) The Teachers Mastery the Students Characteristic of Physically, Moral, Spiritual, Social, Cultural, Emotional and Intellectually.

The variable determination of tendency is the Pedagogic competence of teachers in mastering of the students characteristic physically, moral, spiritual,

social, cultural, emotional and intellectually, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (S_{Di}) by formula $S_{Di} = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq M_i + 1.5 S_{Di}$
- High : $M_i \leq X < M_i + 1.5 S_{Di}$
- Low : $M_i - 1.5 S_{Di} \leq X < M_i$
- Very Low : $X < M_i - 1.5 S_{Di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in mastering of students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	14	42.42 %	Very High
2	$5 \leq X < 6.5$	16	48.48 %	High
3	$3.5 \leq X < 5$	2	6.10 %	Low
4	$X < 3.5$	1	3.0 %	Very Low
Total		33	100 %	

**Table 2.6 Table of Frequency of Teachers
Competence in Mastering Students Characteristic
Physically, Moral, Spiritual, Social, Cultural,
Emotional and Intellectually.**

Based on the table above, the table of frequency of teachers competence in mastering characteristic of students physically, moral, spiritual, social, cultural, emotional and intellectually namely Very High category is 14 students (42.42%), frequency of teachers competence in mastering characteristic of students physically, moral, spiritual, social, cultural, emotional and intellectually namely High category is 16 students (48.48%), frequency of teachers competence in mastering characteristic of students physically, moral, spiritual, social, cultural, emotional and intellectually namely Low category is 2 students (6.10%), and frequency of teachers competence in mastering characteristic of students physically, moral, spiritual, social, cultural, emotional and intellectually namely Very Low category is 1 student (3.0%).

So, it is concluded that the tendency of teachers competence mastery of students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually is 14 students (42.42%).

2) The Teachers Mastery in Learning Theory and Education Principle.

The variable tendency of teachers Pedagogic competence in Mastering of Learning Theory and Education Principle, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (S_{Di}) by formula $S_{Di} = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq M_i + 1.5 S_{Di}$
- High : $M_i \leq X < M_i + 1.5 S_{Di}$
- Low : $M_i - 1.5 S_{Di} \leq X < M_i$
- Very Low : $X < M_i - 1.5 S_{Di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in Mastering of Learning Theory and Education Principle.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	26	78.79 %	Very High
2	$5 \leq X < 6.5$	7	21.21 %	High
3	$3.5 \leq X < 5$	0	0 %	Low
4	$X < 3.5$	0	0 %	Very Low

Total	33	100 %	
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Table 2.7 Table of Frequency of Teachers Competence in Mastering of Learning Theory and Education Principle.

Based on the table above, the table of frequency teachers competence in Mastering of Learning Theory and Education Principle namely Very High category is 26 students (78.79%), frequency of teachers competence in Mastering of Learning Theory and Education Principle namely High category is 7 students (21.21%), frequency of teachers competence in Mastering of Learning Theory and Education Principle namely Low category is 0 student (0%), and frequency of teachers competence in Mastering of Learning Theory and Education Principle namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in mastering of Learning Theory and Education Principle Very High category is 26 students (78.79%).

- 3) The Teachers Develop Curriculum related with English Lesson.

The variable tendency of teachers Pedagogic competence in developing curriculum related with English lesson, after the minimum score (X_{min}) and

the maximum score (X_{max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{max} + X_{min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{max} - X_{min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq M_i + 1.5 SD_i$
 High : $M_i \leq X < M_i + 1.5 SD_i$
 Low : $M_i - 1.5 SD_i \leq X < M_i$
 Very Low : $X < M_i - 1.5 SD_i$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in developing curriculum related with English lesson.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	18	54.55 %	Very High
2	$5 \leq X < 6.5$	13	39.39 %	High
3	$3.5 \leq X < 5$	1	3.03 %	Low
4	$X < 3.5$	1	3.03 %	Very Low
Total		33	100 %	

Table 2.8 Table of Frequency of Teachers Competence in Developing Curriculum related with English Lesson.

Based on the table above, the frequency of teachers competence in developing curriculum related with English lesson namely Very High category is 18 students (54.55%), frequency of teachers competence in developing curriculum related with English lesson namely High category is 13 students (39.39%), frequency of teachers competence in developing curriculum related with English lesson namely Low category is 1 student (3.03%), and frequency of teachers competence in developing curriculum related with English lesson namely Very Low category is 1 student (3.03%).

So, it is concluded that the tendency of teachers competence in developing curriculum related with English lesson namely Very High category is 18 students (54.55%).

4) The Teachers Organize of Learning Process to Educate

The variable tendency of teachers Pedagogic competence in learning process, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of

normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq Mi + 1.5 Sdi$

High : $Mi \leq X < Mi + 1.5 Sdi$

Low : $Mi - 1.5 Sdi \leq X < Mi$

Very Low : $X < Mi - 1.5 Sdi$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in learning process.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	19	57.58 %	Very High
2	$5 \leq X < 6.5$	10	30.30 %	High
3	$3.5 \leq X < 5$	4	12.12%	Low
4	$X < 3.5$	0	0 %	Very Low
Total		33	100 %	

Table 2.9 Table of Frequency of Teachers Competence in Learning Process

Based on the table above, the frequency of teachers competence in learning process namely Very High category is 19 students (57.58%), frequency of teachers competence in learning process namely High category is 10 students (30.30%), frequency of teachers competence in learning process namely Low

category is 4 students (12.12%), and frequency of teachers competence in learning process namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in learning process namely Very High category is 19 students (57.58%).

5) The Teachers Use of Information Technology in Learning Process.

The variable tendency of teachers Pedagogic competence in using Information Technology in learning process, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (S_{Di}) by formula $S_{Di} = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

Very High	: $X \geq M_i + 1.5 S_{Di}$
High	: $M_i \leq X < M_i + 1.5 S_{Di}$
Low	: $M_i - 1.5 S_{Di} \leq X < M_i$
Very Low	: $X < M_i - 1.5 S_{Di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in using Information Technology in learning process.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	15	45.45 %	Very High
2	$5 \leq X < 6.5$	17	51.52 %	High
3	$3.5 \leq X < 5$	0	0 %	Low
4	$X < 3.5$	1	3.03 %	Very Low
Total		33	100 %	

Table 2.10 Table of Frequency of Teachers Competence in Using Information Technology in Learning Process

Based on the table above, the frequency of teachers competence in using Information Technology in learning process namely Very High category is 15 students(45.45%), frequency of teachers competence in using Information Technology in learning process namely High category is 17 students (51.52%), frequency of teachers competence in using Information Technology in learning process namely Low category is 0 student (0%), and frequency of teachers competence in using Information Technology in learning process namely Very Low category is 1 student (3.03%).

So, it is concluded that the tendency of teachers competence in using of Information Technology in learning process in High category is 17 students (51.52%).

6) The Teachers Give Facilitate to Develop and Realize the Students Potential

The variable tendency of teachers Pedagogic competence in facilitating to develop and realize the students potential, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq M_i + 1.5 Sd_i$
- High : $M_i \leq X < M_i + 1.5 Sd_i$
- Low : $M_i - 1.5 Sd_i \leq X < M_i$
- Very Low : $X < M_i - 1.5 Sd_i$

Based on that calculation can be made the tendency of distribution table as follows:

The variable distribution categorization of teachers competence in facilitating to develop and realize the student potential

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	22	66.67 %	Very High
2	$5 \leq X < 6.5$	9	27.27 %	High

3	$3.5 \leq X < 5$	2	6.06 %	Low
4	$X < 3.5$	0	0 %	Very Low
Total		33	100 %	

Table 2.11 Table of Frequency of Teachers competence in facilitating to Develop and Realize the Students Potential

Based on the table above, table of frequency teachers competence in facilitating to develop and realize the students potential namely Very High category is 22 students (66.67%), frequency of teachers competence in facilitating to develop and realize the students potential namely High category is 9 students (27.27%), frequency of teachers competence in facilitating to develop and realize the students potential namely Low category is 2 students (6.06%), and frequency of teachers competence in facilitating to develop and realize the students potential namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in facilitating to develop and realize the students potential namely Very High category is 22 students (66.67%).

- 7) The Teachers Can Communicate Effectively, Firm and Good Manner with the Students

The variable tendency of teachers Pedagogic competence in communicating effectively, firm and

good manner with the students, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq M_i + 1.5 Sd_i$
 High : $M_i \leq X < M_i + 1.5 Sd_i$
 Low : $M_i - 1.5 Sd_i \leq X < M_i$
 Very Low : $X < M_i - 1.5 Sd_i$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in communicating effectively, firm and good manner with the students.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	13	39.39 %	Very High
2	$5 \leq X < 6.5$	15	45.46 %	High
3	$3.5 \leq X < 5$	4	12.12 %	Low
4	$X < 3.5$	1	3.03 %	Very Low
Total		33	100 %	

**Table 2.12 Table of Frequency Teachers
Competence in Communicating Effectively,
Firm and Good Manner with the Students**

Based on the table above, the frequency of teachers competence in communicating effectively, firm and good manner with the students namely Very High category is 13 students (39.39%), frequency of teachers competence in communicating effectively, firm and good manner with the students namely High category is 15 students (45.46%), frequency of teachers competence in communicating effectively, firm and good manner with the students namely Low category is 4 students (12.12%), and frequency of teachers competence in communicating effectively, firm and good manner with the students namely Very Low category is 1 student (3.03%).

So, it is concluded that the tendency of teachers competence in communicating effectively, firm and good manner with the students namely High category is 15 students (45.46%).

8) The Teachers can Design Assessment and Students Evaluation

The variable tendency of teachers Pedagogic competence in designing assessment and students evaluation, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find

the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq M_i + 1.5 S_d$

High : $M_i \leq X < M_i + 1.5 S_d$

Low : $M_i - 1.5 S_d \leq X < M_i$

Very Low : $X < M_i - 1.5 S_d$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in designing assessment and students English achievement evaluation.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	18	54.54 %	Very High
2	$5 \leq X < 6.5$	12	36.37 %	High
3	$3.5 \leq X < 5$	2	6.06 %	Low
4	$X < 3.5$	1	3.03 %	Very Low
Total		33	100 %	

Table 2.13 Table of Frequency of Teachers Competence in Designing Assessment and Students Evaluation

Based on the table above, the table of frequency of teachers of competence in designing assessment and students evaluation namely Very High category is 18 students (54.54%), frequency of teachers competence in designing assessment and students evaluation namely High category is 12 students (36.37%), frequency of teachers competence in designing assessment and students evaluation namely Low category is 2 students (6.06%), and frequency of teachers competence in designing assessment and students evaluation namely Very Low category is 1 student (3.03%).

So, it is concluded that the tendency of teachers competence in designing assessment and students evaluation namely High category is 18 students (54.54%).

9) The Teachers Utilize the Result of Assessment and Students Evaluation

The variable determination tendency of the Pedagogic competence in utilizing the result of assessment and students evaluation, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula

$S_{Di} = 1/6 (X_{max} - X_{min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 7 and the Ideal of Deviation Standard is 1.67.

From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq M_i + 1.5 S_{Di}$

High : $M_i \leq X < M_i + 1.5 S_{Di}$

Low : $M_i - 1.5 S_{Di} \leq X < M_i$

Very Low : $X < M_i - 1.5 S_{Di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in utilizing the result of assessment and students evaluation.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 9.5$	15	45.46 %	Very High
2	$7 \leq X < 9.5$	16	48.48 %	High
3	$4.5 \leq X < 7$	2	6.06 %	Low
4	$X < 4.5$	0	0 %	Very Low
Total		33		

Table 2.14 Table of Frequency of Teachers Competence in Utilizing the Result of Assessment and Students Evaluation

Based on the table above, the frequency teachers competence in utilizing the result of assessment and students evaluation namely Very High category is 15 students (45.46%), frequency of

teachers competence in utilizing the result of assessment and students evaluation namely High category is 2 students (48.48%), frequency of teachers competence in utilizing the result of assessment and students evaluation namely Low category is 2 students (6.06%), and frequency of teachers competence in utilizing the result of assessment and students evaluation namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in utilizing the result of assessment and students evaluation namely High category is 18 students (54.54%).

10) The Teachers Do Action Reflectively to Improve Learning Quality

The variable determination tendency of the Pedagogic competence in doing reflection to improve learning quality, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 47.5 and the Ideal of Deviation Standard is 9.5.

From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq Mi + 1.5 Sdi$

High : $Mi \leq X < Mi + 1.5 Sdi$

Low : $Mi - 1.5 Sdi \leq X < Mi$

Very Low : $X < Mi - 1.5 Sdi$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in doing reflection to improve learning quality.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 3.25$	13	39.40 %	Very High
2	$2.5 \leq X < 3.5$	13	39.40 %	High
3	$1.75 \leq X < 2.5$	7	21.20%	Low
4	$X < 1.75$	0	0%	Very Low
Total		33	100%	

Table 2.14 Table of Frequency of Teachers Competence in Doing Reflection to Improve Learning Quality

Based on the table above, the frequency of teachers competence in doing reflection to improve learning quality namely Very High category is 13 students (39.40%), frequency of teachers competence in doing reflection to improve learning quality namely High category is 13 students (39.40%), frequency of

teachers competence in doing reflection to improve learning quality namely Low category is 7 student (21.20%), and frequency of teachers competence in doing reflection to improve learning quality namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in doing reflection to improve learning quality namely Very High category is 13 students (39.40%) and High category is 13 students (39.40%).

After knowing the capabilities of teacher in each competences then the researcher analyzed the Pedagogic competence of certified English teachers thoroughly in SMP Hasanuddin 07 Semarang. The Pedagogic competence of certified English teachers (X) is the effects on Pedagogic competence of certified English teachers. The variable of Pedagogic competence of certified English teachers (X) obtained from 33 respondents. There are 4 alternative answers and the highest score is 4, the lowest score is 1. Based on the variable Pedagogic competence of teacher, the highest score of 71 and the lowest score of 48, with the value of Mean (M) of 61, Median (Me) of 60, Mode (Mo) of 59 and Deviation Standard (SD) of 5.646.

To determine the number of interval class used the formula is The number of class = $1 + 3,3 \log n$, where n is the total of sample or respondent. From the calculation known that $n = 33$, retrieved some grade $1 + 3.3 \log 33 = 6.01$ or rounded to 6 interval classes. The range of data counted by formula Maximal Value – Minimum Value, then retrieved the range data of $71 - 48 = 23$ While the length of class = range of data/the number of class = $23/6 = 3.83$ rounded into 4.

The data Pedagogic competence of certified English teachers in SMP Hasanuddin 07 Semarang :

Number	INTERVAL	F	PERCENTAGE
1	48 – 51	1	3.03 %
2	52 – 56	4	12.12 %
3	57 – 60	11	33.34 %
4	61 – 64	5	15.15 %
5	65 – 68	7	21.21 %
6	69 – 72	5	15.15 %
Total		33	100.00%

Table 2.15 Total of Pedagogic Competence in SMP Hasanuddin 07 Semarang

Based on the frequency of variable distribution teachers competence above can be described in the chart as follow:

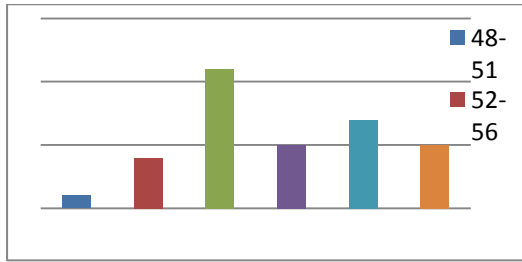


Figure 3.1 The Diagram of Frequency Distribution of X Variable in SMP Hasanuddin 07 Semarang

Based on the table and diagram above, frequency of variable Pedagogic competence of certified English teachers majority on interval of 57 - 60 is 11 students (33.34%) and the least on interval 48 - 51 is 1 student (3.03 %)

The variable determination tendency is the Pedagogic competence in SMP Hasanuddin 07 Semarang, after the minimum score (X min) and the maximum score (X max) known, the next is to find the ideal of average value (Mi) by formula $Mi = \frac{1}{2} (X \max + X \min)$, to find the ideal of Deviation Standard (SDi) by formula $SDi = \frac{1}{6} (X \max - X \min)$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 47.5 and the Ideal of Deviation Standard is 9.5.

From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq Mi + 1.5 Sdi$

High : $M_i \leq X < M_i + 1.5 S_{di}$

Low : $M_i - 1.5 S_{di} \leq X < M_i$

Very Low : $X < M_i - 1.5 S_{di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable distribution categorization competence of certified English teachers in SMP Hasanuddin 07 Semarang.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 61.75$	16	48.49 %	Very High
2	$47.5 \leq X < 61.75$	17	51.51 %	High
3	$33.25 \leq X < 47.5$	0	0 %	Low
4	$X < 33.25$	0	0 %	Very Low
Total		33		

Table 2.16 Table of Frequency of Pedagogic Competence in SMP Hasanuddin 07 Semarang

Based on the table above, the table of frequency of Pedagogic competence of certified English teachers namely Very High category is 16 students (48.49%), frequency of Pedagogic competence of certified English teachers namely High category is 17 students (51.51%), frequency of Pedagogic competence of certified English teachers namely Low category is 0 student (0%), and frequency of Pedagogic competence of certified

English teachers namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of Pedagogic competence of certified English teachers namely High category is 17 students (51.51%).

b. SMP Nurul Islam Semarang

Pedagogic Competence of certified English teacher (X) is the effects about teacher certified. The variable of Pedagogic Competence about certified English teachers (X) obtained by questionnaire consists of 19 question by 32 students and there are 4 answer where the highest score is 4 and the lowest score is 1.

Before the researcher analyzed the data generally, the researcher analyzed specifically in each indicator of Pedagogic Competence. Every indicator consists of two questions of questionnaire, by the result are:

- 1) The Teachers Mastery of the Students Characteristic Physically, Moral, Spiritual, Social, Cultural, Emotional and Intellectually.

The variable determination of tendency is the Pedagogic of teachers competence in mastering the characteristic of students physically, moral, spiritual, social, cultural, emotional and intellectually, after the minimum score (X min) and the maximum score (X max) known, the next is to find the ideal of average

value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (S_{Di}) by formula $S_{Di} = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq M_i + 1.5 S_{Di}$
- High : $M_i \leq X < M_i + 1.5 S_{Di}$
- Low : $M_i - 1.5 S_{Di} \leq X < M_i$
- Very Low : $X < M_i - 1.5 S_{Di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in mastering students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	6	18.75 %	Very High
2	$5 \leq X < 6.5$	14	43.75 %	High
3	$3.5 \leq X < 5$	6	18.75%	Low
4	$X < 3.5$	6	18.75%	Very Low
Total		32	100 %	

Table 2.17 Table of Frequency of Teachers Competence in Mastering Students Characteristic Physically, Moral, Spiritual, Social, Cultural, Emotional and Intellectually

Based on the table above, the frequency of teachers competence in mastering students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually namely Very High category is 6 students (18.75%), frequency of teachers competence in mastering students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually namely High category is 14 students (43.75%), frequency of teachers competence in mastering students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually namely Low category is 6 students (18.75%), and frequency of teachers competence in mastering students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually namely Very Low category is 6 students (18.75%).

So, it is concluded that the tendency of teachers competence in mastering students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually in High category is 14 students (43.75%).

2) The Teachers in Mastering of Learning Theory and Education Principle.

The variable tendency of teachers Pedagogic competence in Mastering of Learning Theory and Education Principle, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

Very High	: $X \geq M_i + 1.5 SD_i$
High	: $M_i \leq X < M_i + 1.5 SD_i$
Low	: $M_i - 1.5 SD_i \leq X < M_i$
Very Low	: $X < M_i - 1.5 SD_i$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in Mastering of Learning Theory and Education Principle.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	15	46.88 %	Very High
2	$5 \leq X < 6.5$	14	43.75 %	High
3	$3.5 \leq X < 5$	3	9.37%	Low
4	$X < 3.5$	0	0 %	Very Low
Total		32	100 %	

Table 2.18 Table of Frequency of Teachers Competence Mastery of Learning Theory and Education Principle

Based on the table above, the frequency of teachers competence in Mastering of Learning Theory and Education Principle namely Very High category is 15 students (46.88%), frequency of teachers competence in Mastering of Learning Theory and Education Principle namely High category is 14 students (43.75%), frequency of teachers competence in Mastering of Learning Theory and Education Principle namely Low category is 3 students (9.37%), and frequency of teachers competence in Mastering of Learning Theory and Education Principle namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in mastering of Learning Theory and Education Principle namely Very High category is 15 students (46.88%).

3) The Teachers Develop Curriculum related with English Lesson.

The variable tendency of teachers Pedagogic competence in developing curriculum related with English lesson, after the minimum score (X_{min}) and the maximum score (X_{max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{max} + X_{min})$, to find the ideal of Deviation Standard (S_{Di}) by formula $S_{Di} = \frac{1}{6} (X_{max} - X_{min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq M_i + 1.5 S_{Di}$
- High : $M_i \leq X < M_i + 1.5 S_{Di}$
- Low : $M_i - 1.5 S_{Di} \leq X < M_i$
- Very Low : $X < M_i - 1.5 S_{Di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in developing curriculum related with English lesson.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	14	43.75 %	Very High
2	$5 \leq X < 6.5$	18	56.25 %	High
3	$3.5 \leq X < 5$	0	0 %	Low
4	$X < 3.5$	0	0 %	Very Low

Total	32	100 %	
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Table 2.19 Table of Frequency of Teachers Competence in Developing Curriculum related with English Lesson

Based on the table above, the frequency of teachers competence in developing curriculum related with English lesson namely Very High category is 14 students (43.75%), frequency of teachers competence in developing curriculum related with English lesson namely High category is 18 students (56.25%), frequency of teachers competence in developing curriculum related with English lesson namely Low category is 0 student (0%), and frequency of teachers competence in developing curriculum related with English lesson namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in developing curriculum related with English lesson namely High category is 18 students (56.25%).

4) The Teachers Organize of Learning Process

The variable tendency of teachers Pedagogic competence in learning process, after the minimum score (X_{min}) and the maximum score (X_{max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{max} + X_{min})$, to find the

ideal of Deviation Standard (SDi) by formula $SDi = 1/6 (X_{max} - X_{min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq Mi + 1.5 Sdi$
 High : $Mi \leq X < Mi + 1.5 Sdi$
 Low : $Mi - 1.5 Sdi \leq X < Mi$
 Very Low : $X < Mi - 1.5 Sdi$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in learning process.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	3	9.38 %	Very High
2	$5 \leq X < 6.5$	12	37.50%	High
3	$3.5 \leq X < 5$	1	3.12 %	Low
4	$X < 3.5$	16	50 %	Very Low
Total		32	100 %	

Table 2.20 Table of Frequency of Teachers Competence in Learning Process

Based on the table above, the frequency of teachers competence in learning process namely Very High category is 3 students (9.38%), frequency of teachers competence in learning process namely High

category is 12 students (37.50%), frequency of teachers competence in learning process namely Low category is 1 student (3.12%), and frequency of teachers competence in learning process namely Very Low category is 16 students (50%).

So, it is concluded that the tendency of teachers competence in learning process namely Very Low category is 16 students (50%).

5) The Teachers Use of Information Technology in Learning Process.

The variable tendency of teachers Pedagogic competence in using Information Technology in learning process, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

Very High	: $X \geq M_i + 1.5 Sd_i$
High	: $M_i \leq X < M_i + 1.5 Sd_i$
Low	: $M_i - 1.5 Sd_i \leq X < M_i$
Very Low	: $X < M_i - 1.5 Sd_i$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in using Information Technology in learning process.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	9	28.12 %	Very High
2	$5 \leq X < 6.5$	15	46.88 %	High
3	$3.5 \leq X < 5$	6	18.75%	Low
4	$X < 3.5$	2	6.25 %	Very Low
Total		32	100 %	

Table 2.21 Table of Frequency of Teachers Competence in Using Information Technology in Learning Process

Based on the table above, the frequency teachers competence in using Information Technology in learning process namely Very High category is 9 students (28.12%), frequency of teachers competence in using Information Technology in learning process namely High category is 15 students (46.88%), frequency of teachers competence in using Information Technology in learning process namely Low category is 6 students(18.75%), and frequency of teachers competence in using Information Technology in learning process namely Very Low category is 2 students (6.25%).

So, it is concluded that the tendency of teachers competence in using Information Technology

in learning process namely High category is 15 students (46.88%).

6) The Teachers Facilitates to Develop and Realize the Students Potential

The variable tendency of teachers Pedagogic competence in facilitating the students potential, after the minimum score (X_{min}) and the maximum score (X_{max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{max} + X_{min})$, to find the ideal of Deviation Standard (S_{Di}) by formula $S_{Di} = \frac{1}{6} (X_{max} - X_{min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq M_i + 1.5 S_{Di}$

High : $M_i \leq X < M_i + 1.5 S_{Di}$

Low : $M_i - 1.5 S_{Di} \leq X < M_i$

Very Low : $X < M_i - 1.5 S_{Di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in facilitating the students potential.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	16	50.00 %	Very High

2	$5 \leq X < 6.5$	13	40.62 %	High
3	$3.5 \leq X < 5$	3	9.38 %	Low
4	$X < 3.5$	0	0 %	Very Low
Total		32	100 %	

Table 2.22 Table of Frequency of Teachers Competence in Facilitating the Students Potential

Based on the table above, the frequency teachers competence in facilitating the students potential namely Very High category is 16 students (50.00%), frequency of teachers competence in facilitating the students potential namely High category is 13 students (40.62%), frequency of teachers competence in facilitating the students potential namely Low category is 3 students (9.38%), and frequency of teachers competence in facilitating the students potential namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in facilitating the students' potential namely Very High category is 16 students (50.00%).

- 7) The Teachers can Communicate Effectively, Firm and Good Manner with the Students

The variable tendency of teachers Pedagogic competence in communicating effectively, firm and

good manner with the students, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (S_{Di}) by formula $S_{Di} = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq M_i + 1.5 S_{Di}$
- High : $M_i \leq X < M_i + 1.5 S_{Di}$
- Low : $M_i - 1.5 S_{Di} \leq X < M_i$
- Very Low : $X < M_i - 1.5 S_{Di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in communicating effectively, firm and good manner with the students.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	8	25.00 %	Very High
2	$5 \leq X < 6.5$	19	59.38 %	High
3	$3.5 \leq X < 5$	4	12.50 %	Low
4	$X < 3.5$	1	3.12 %	Very Low
Total		32	100 %	

**Table 2.23 Table of Frequency Teachers
Competence in Communicating Effectively,
Firm and Good Manner with Students**

Based on the table above, the frequency of teachers competence in communicating effectively, firm and good manner with the students namely Very High category is 8 students (25.00%), frequency of teachers competence in communicating effectively, firm and good manner with the students namely High category is 19 students (59.38%), frequency of teachers competence in communicating effectively, firm and good manner with the students namely Low category is 4 students(12.50%), and frequency of teachers competence in communicating effectively, firm and good manner with the students namely Very Low category is 1 student (3.12%).

So, it is concluded that the tendency of teachers competence in communicating effectively, firm and good manner with the students namely High category is 19 students (59.38%).

8) The Teachers can Design Assessment and Students Evaluation

The variable tendency of teachers Pedagogic competence in designing assessment and students evaluation, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find

the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq M_i + 1.5 S_d$

High : $M_i \leq X < M_i + 1.5 S_d$

Low : $M_i - 1.5 S_d \leq X < M_i$

Very Low : $X < M_i - 1.5 S_d$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in designing assessment and students achievement evaluation.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	12	37.50 %	Very High
2	$5 \leq X < 6.5$	18	56.25 %	High
3	$3.5 \leq X < 5$	2	6.25 %	Low
4	$X < 3.5$	0	0 %	Very Low
Total		32	100 %	

Table 2.24 Table of Frequency of Teachers Competence in Designing Assessment and Students Evaluation

Based on the table of frequency of teachers competence in designing assessment and students evaluation namely Very High category is 12 students

(37.50%), frequency of teachers competence in designing assessment and students evaluation namely High category is 18 students (56.25%), frequency of teachers competence in designing assessment and students evaluation namely Low category is 2 students (6.25%), and frequency of teachers competence in designing assessment and students evaluation namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in designing assessment and students evaluation namely High category is 18 students (56.25%).

9) The Teachers Utilize the Result of Assessment and Students Evaluation

The variable tendency of teachers Pedagogic competence in utilizing the result of assessment and students evaluation, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 7 and the Ideal of Deviation Standard is 1.66.

From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq Mi + 1.5 Sdi$

High : $Mi \leq X < Mi + 1.5 Sdi$

Low : $Mi - 1.5 Sdi \leq X < Mi$

Very Low : $X < Mi - 1.5 Sdi$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in utilizing the result of assessment and students evaluation.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 9.5$	23	71.87%	Very High
2	$5 \leq X < 9.5$	7	21.88 %	High
3	$4.5 \leq X < 5$	2	6.25 %	Low
4	$X < 4.5$	0	0 %	Very Low
Total		32	100	

Table 2.25 Table of Frequency of Teachers Competence in Utilizing the Result of Assessment and Students Evaluation

Based on the table above, the frequency teachers competence in utilizing the result of assessment and students evaluation namely Very High category is 23 students (71.87%), frequency of teachers competence in utilizing the result of assessment and students evaluation namely High category is 7 students (21.88%), frequency of teachers competence in utilizing the result of assessment and

students evaluation namely Low category is 2 students (6.25%), and frequency of teachers competence in utilizing the result of assessment and students evaluation namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in utilizing the result of assessment and students evaluation namely High category is 23 students (72.87%).

10) The Teachers Do Action Reflectively to Improve Learning Quality

The variable tendency of teachers Pedagogic competence in doing reflection to improve learning quality, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 47.5 and the Ideal of Deviation Standard is 9.5.

From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq M_i + 1.5 SD_i$

High : $M_i \leq X < M_i + 1.5 SD_i$

Low : $M_i - 1.5 S_{di} \leq X < M_i$

Very Low : $X < M_i - 1.5 S_{di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in doing reflection to improve learning quality.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 3.25$	17	53.13 %	Very High
2	$2.5 \leq X < 3.25$	14	42.75 %	High
3	$2.5 \leq X < 1.75$	1	3.12 %	Low
4	$X < 1.75$	0	0%	Very Low
Total		32	100%	

Table 2.14 Table of Frequency of Teachers Competence in Doing Reflection to Improve Learning Quality

Based on the table above, the frequency teachers competence in doing reflection to improve learning quality namely Very High category is 17 students (53.13%), frequency of teachers competence in doing reflection to improve learning quality namely High category is 14 students (42.75%), frequency of teachers competence in utilizing doing reflection to improve learning quality namely Low category is 1 student (3.12%), and frequency of teachers competence in doing reflection to improve learning quality namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in doing reflection to improve learning quality namely Very High category is 17 students (53.13%).

After knowing the teachers capabilities of each competence, then the researcher analyzed the Pedagogic competence of certified English teachers thoroughly in SMP Nurul Islam Semarang. The Pedagogic competence of certified English teachers (X) is the effects on Pedagogic competence quality of certified English teachers. The variable of Pedagogic competence of certified English teachers (X) obtained from 32 respondents. There are 4 alternative answers and the highest score is 4, the lowest score is 1. Based on the variable Pedagogic competence of teachers, the highest score of 72 and the lowest score of 38, with the value of Mean (M) of 56.565, Median (Me) of 56, Mode (Mo) of 55 and Deviation Standard (SD) of 7.824.

To determine the number of intervals class used the formula is the number of class = $1 + 3,3 \log n$, where n is the total of sample or respondent. From the calculation known that $n = 32$, retrieved some grade $1 + 3.3 \log 32 = 5.9$ or rounded into 6 interval classes. The range of data counted by formula

Maximal Value – Minimum Value, then retrieved the range data of $72 - 38 = 34$ While the length of class = range of data/the number of class = $34/6 = 5.666$ rounded into 6.

The Pedagogic Competence Data of certified English teachers in SMP Nurul Islam Semarang :

Number	INTERVAL	F	PERCENTAGE
1	38 – 43	3	9.37 %
2	44 – 49	3	9.37 %
3	50 – 55	9	28.13 %
4	56 – 61	12	37.50 %
5	62 – 67	2	6.20 %
6	68 – 73	3	9.37 %
Total		32	100.00%

Table 2.26 The Total of Pedagogic Competence in SMP Nurul Islam Semarang

Based on the frequency of variable distribution teachers competence above can be described in the chart as follow:

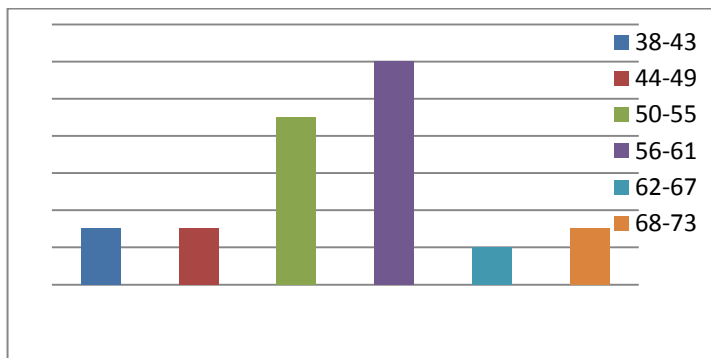


Figure 3.2 The Diagram of Frequency Distribution of X Variable in SMP Nurul Islam Semarang

Based on the table and diagram above, frequency variable of Pedagogic Competence of certified English teachers, majority on the interval of 56 - 61 total of 12 students (37.50%) and the least on interval 62 - 67 total of 2 students (6.20%).

The variable tendency of teachers Pedagogic competence in SMP Nurul Islam Semarang, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (S_{D_i}) by formula $S_{D_i} = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 47.5 and the Ideal of Deviation Standard is 9.5.

From the calculation above can be categorized in 4 classes as follows:

Very High	: $X \geq M_i + 1.5 S_{D_i}$
High	: $M_i \leq X < M_i + 1.5 S_{D_i}$
Low	: $M_i - 1.5 S_{D_i} \leq X < M_i$
Very Low	: $X < M_i - 1.5 S_{D_i}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable distribution categorization of competence of certified English teachers in SMP Nurul Islam Semarang

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 61.75$	5	15.63 %	Very High
2	$47.5 \leq X < 61.75$	22	68.74 %	High
3	$33.25 \leq X < 47.5$	5	15.63 %	Low
4	$X < 33.25$	0	0 %	Very Low
Total		32	100 %	

Table 2.27 Table of Frequency of Pedagogic Competence in SMP Nurul Islam Semarang

Based on the table above, the frequency of Pedagogic competence on certified English teachers namely Very High category is 5 students (15.63%), frequency competence of Pedagogic competence of certified English teachers namely High category is 22 students (68.74%), frequency of Pedagogic competence of certified English teachers namely Low category is 5 students (15.63%), and frequency of Pedagogic competence of certified English teachers namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of Pedagogic competence of certified English teachers namely High category is 22 students (68.74%).

c. SMP Hj. Isriati Semarang

Teachers Pedagogic Competence in the view of EFL learners (X) is about influence teacher certified. It was obtained by questionnaire consists of 19 questions by 35 student and there are 4 answer where the highest score is 4 and the lowest score is 1.

Before the researcher analyzed data generally, the researcher was analyzed specifically every indicator of Pedagogic competence, each indicator consists of two questions of questionnaire, by the result are:

- 1) The Teachers Mastery Students Characteristic Physically, Moral, Spiritual, Social, Cultural, Emotional and Intellectually.

The variable tendency of teachers Pedagogic competence in mastering of students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq Mi + 1.5 Sdi$
 High : $Mi \leq X < Mi + 1.5 Sdi$
 Low : $Mi - 1.5 Sdi \leq X < Mi$
 Very Low : $X < Mi - 1.5 Sdi$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in mastering of students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	14	40.00 %	Very High
2	$5 \leq X < 6.5$	19	54.28 %	High
3	$3.5 \leq X < 5$	2	5.72 %	Low
4	$X < 3.5$	0	0 %	Very Low
Total		35	100 %	

Table 2.28 Table of Frequency of Teachers Competence in Mastering of Students Characteristic Physically, Moral, Spiritual, Social, Cultural, Emotional and Intellectually

Based on the table above, the frequency of teachers competence in mastering of students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually namely Very High category is 14 students (40.00%), frequency of teachers competence in mastering of students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually namely High

category is 19 students (54.28%), frequency of teachers competence in mastering of students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually namely Low category is 2 students (5.72%), and frequency of teachers competence in mastering of students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually namely Very Low category is 0 student (0%).

So, it can be concluded that the tendency of teachers competence in mastering of students characteristic physically, moral, spiritual, social, cultural, emotional and intellectually namely High category is 19 students (54.28%).

2) The Teachers Mastery in Learning Theory and Education Principle.

The variable tendency of teachers Pedagogic competence in Mastering of Learning Theory and Education Principle, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the

Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq Mi + 1.5 Sdi$

High : $Mi \leq X < Mi + 1.5 Sdi$

Low : $Mi - 1.5 Sdi \leq X < Mi$

Very Low : $X < Mi - 1.5 Sdi$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence Mastery in Learning Theory and Education Principle.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	23	65.71 %	Very High
2	$5 \leq X < 6.5$	10	28.58 %	High
3	$3.5 \leq X < 5$	2	5.71 %	Low
4	$X < 3.5$	0	0 %	Very Low
Total		35	100 %	

Table 2.29 Table of Frequency of Teachers Competence in Mastering of Learning Theory and Education Principle

Based on the table above, the frequency of teachers competence in mastering of learning theory and education principle namely Very High category is 23 students (65.71%), frequency of teachers competence in mastering of learning theory and education principle namely High category is 10 students (28.58%), frequency of teachers competence in mastering of learning theory and education

principle namely Low category is 2 students (5.71%), and frequency of teachers competence in mastering of learning theory and education principle namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in mastering of learning theory and education principle namely Very High category is 23students (65.71%).

3) The Teachers Develop Curriculum Related with English Lesson

The variable tendency of teachers Pedagogic competence in developing curriculum related with English lesson, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

Very High	: $X \geq M_i + 1.5 SD_i$
High	: $M_i \leq X < M_i + 1.5 SD_i$
Low	: $M_i - 1.5 SD_i \leq X < M_i$
Very Low	: $X < M_i - 1.5 SD_i$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in developing curriculum related with English lesson.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	17	48.57 %	Very High
2	$5 \leq X < 6.5$	18	51.43 %	High
3	$3.5 \leq X < 5$	0	0 %	Low
4	$X < 3.5$	0	0 %	Very Low
Total		35	100 %	

Table 2.30 Table of Frequency of Teachers Competence in Developing Curriculum Related with English Lesson

Based on the table above, frequency of teachers competence in developing curriculum related with English lesson namely Very High category is 17 students (48.57%), frequency of teachers competence in developing curriculum related with English lesson namely High category is 18 students (51.43%), frequency of teachers competence in developing curriculum related with English lesson namely Low category is 0 student (0%), and frequency of teachers competence in developing curriculum related with English lesson namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in developing curriculum related

with English lesson namely High category is 18 students (51.43%).

4) The Teachers Organize in Learning Process

The variable tendency of teachers Pedagogic competence in learning process, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (S_{Di}) by formula $S_{Di} = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq M_i + 1.5 S_{Di}$
- High : $M_i \leq X < M_i + 1.5 S_{Di}$
- Low : $M_i - 1.5 S_{Di} \leq X < M_i$
- Very Low : $X < M_i - 1.5 S_{Di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in learning process.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	8	22.86 %	Very High
2	$5 \leq X < 6.5$	14	40.00 %	High
3	$3.5 \leq X < 5$	6	17.14 %	Low

4	$X < 3.5$	7	20.00 %	Very Low
Total		35	100 %	

Table 2.31 Table of Frequency of Teachers Competence in Learning Process

Based on the table above, the frequency of teachers competence in learning process namely Very High category is 8 students (22.86%), frequency of teachers competence in learning process namely High category is 14 students (40.00%), frequency of teachers competence in learning process namely Low category is 6 students (17.14%), and frequency of teachers competence in learning process namely Very Low category is 7 students (20.00%).

So, it is concluded that the tendency of teachers competence in learning process namely High category is 14 students (40.00%).

- 5) The Teachers Use Information Technology in Learning Process.

The variable tendency of teachers Pedagogic competence in using Information Technology in learning process, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of

average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq Mi + 1.5 Sdi$
- High : $Mi \leq X < Mi + 1.5 Sdi$
- Low : $Mi - 1.5 Sdi \leq X < Mi$
- Very Low : $X < Mi - 1.5 Sdi$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in using Information Technology in learning process.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	13	37.14 %	Very High
2	$5 \leq X < 6.5$	17	48.57 %	High
3	$3.5 \leq X < 5$	4	14.43 %	Low
4	$X < 3.5$	1	2.86 %	Very Low
Total		35	100 %	

Table 2.32 Table of Frequency of Teachers Competence in Using Information Technology in Learning Process

Based on the table above, the frequency of teachers competence in using Information Technology in learning process namely Very High category is 13 students (37.14%), frequency of teachers competence in using Information Technology in learning process namely High category is 17 students (48.57%), frequency of teachers competence in using

Information Technology in learning process namely Low category is 4 students (14.43%), and frequency of teachers competence in using Information Technology in learning process namely Very Low category is 1 student (2.86%).

So, it is concluded that the tendency of teachers competence in using Information Technology in learning process namely High category is 17 students (48.57%).

6) The Teachers Facilitates to Develop and Realize the Students Potential

The variable tendency of teachers Pedagogic competence in facilitating the students potential, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq M_i + 1.5 Sd_i$

High : $M_i \leq X < M_i + 1.5 Sd_i$

Low : $M_i - 1.5 Sd_i \leq X < M_i$

Very Low : $X < Mi - 1.5 Sdi$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in facilitating the students potential.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	18	51.43 %	Very High
2	$5 \leq X < 6.5$	13	37.14 %	High
3	$3.5 \leq X < 5$	3	8.57 %	Low
4	$X < 3.5$	1	2.86 %	Very Low
Total		35	100 %	

Table 2.33 Table of Frequency of teachers competence in Facilitating the Students Potential

Based on the table above, the frequency teachers competence in facilitating the students potential namely Very High category is 18 students(51.43%), frequency of teachers competence in facilitating the students potential namely High category is 13 students (37.14%), frequency of teachers competence in facilitating the students potential namely Low category is 3 students(8.57%), and frequency of teachers competence in facilitating the students potential namely Very Low category is 1 student (2.86%).

So, it is concluded that the tendency of teachers competence in facilitating the students

potential namely Very High category is 18 students (51.43%).

7) The Teachers can Communicate Effectively, Firm and Good Manner with the Students

The variable tendency of teachers Pedagogic competence in communicating effectively, firm and good manner with the students, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (S_{D_i}) by formula $S_{D_i} = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq M_i + 1.5 S_{D_i}$
- High : $M_i \leq X < M_i + 1.5 S_{D_i}$
- Low : $M_i - 1.5 S_{D_i} \leq X < M_i$
- Very Low : $X < M_i - 1.5 S_{D_i}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in communicating effectively, firm and good manner with the students.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	15	42.86 %	Very High
2	$5 \leq X < 6.5$	15	42.86 %	High
3	$3.5 \leq X < 5$	3	8.57 %	Low
4	$X < 3.5$	2	5.71 %	Very Low
Total		35	100 %	

Table 2.34 Table of Frequency of Teachers Competence in Communicating Effectively, Firm, and Good Manner with The Student

Based on the table above, the frequency of teachers competence in communicating effectively, firm and good manner with the students namely Very High category is 15 students (42.86%), frequency of teachers competence in communicating effectively, firm and good manner with the students namely High category is 15 students (42.86%), frequency of teachers competence in communicating effectively, firm and good manner with the students namely Low category is 3 students (8.57%), and frequency of teachers competence in communicating effectively, firm and good manner with the students namely Very Low category is 2 students (5.71%).

So, it is concluded that the tendency of teachers competence in communicating effectively, firm and good manner with the students namely High category and High are 15 students (42.86%).

8) The Teachers can Design Assessment and Students Evaluation

The variable tendency of teachers Pedagogic competence in designing assessment and students evaluation, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (S_{Di}) by formula $S_{Di} = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 5 and the Ideal of Deviation Standard is 1. From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq M_i + 1.5 S_{Di}$

High : $M_i \leq X < M_i + 1.5 S_{Di}$

Low : $M_i - 1.5 S_{Di} \leq X < M_i$

Very Low : $X < M_i - 1.5 S_{Di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in designing assessment and students achievement evaluation.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 6.5$	16	45.71 %	Very High
2	$5 \leq X < 6.5$	17	48.57 %	High
3	$3.5 \leq X < 5$	0	0 %	Low
4	$X < 3.5$	2	5.72 %	Very Low

Total	35	100 %	
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Table 2.35 Table of Frequency of Teachers Competence in Designing Assessment and Students Evaluation

Based on the table above, the frequency of teachers competence in designing assessment and students evaluation namely Very High category is 16 students (45.71%), frequency of teachers competence in designing assessment and students evaluation namely High category is 17 students (48.57%), frequency of teachers competence in designing assessment and students evaluation namely Low category is 0 student (0%), and frequency of teachers competence in designing assessment and students evaluation namely Very Low category is 2 students (5.72%).

So, it is concluded that the tendency of teachers competence in designing assessment and students evaluation namely High category is 17 students (48.57%).

9) The Teachers Utilize the Result of Assessment and Students Evaluation

The variable tendency of teachers Pedagogic competence in utilizing the result of assessment and students evaluation, after the minimum score (X_{min}) and the maximum score (X_{max}) known, the next is to

find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 7 and the Ideal of Deviation Standard is 1.6.

From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq M_i + 1.5 S_{di}$
- High : $M_i \leq X < M_i + 1.5 S_{di}$
- Low : $M_i - 1.5 S_{di} \leq X < M_i$
- Very Low : $X < M_i - 1.5 S_{di}$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in utilizing the result of assessment and students evaluation.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 9.5$	16	45.72 %	Very High
2	$7 \leq X < 9.5$	13	37.14 %	High
3	$4.5 \leq X < 7$	6	17.14 %	Low
4	$X < 4.5$	0	0 %	Very Low
Total		35	100 %	

Table 2.36 Table of Frequency of Teachers Competence in Utilizing the Result of Assessment and Students Evaluation

Based on the table above, the frequency of teachers competence in utilizing the result of

assessment and students evaluation namely Very High category is 16 students (45.72%), frequency of teachers competence in utilizing the result of assessment and students evaluation namely High category is 13 students (37.14%), frequency of teachers competence in utilizing the result of assessment and students evaluation namely Low category is 6 students (17.14%), and frequency of teachers competence in utilizing the result of assessment and students evaluation namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of teachers competence in utilizing the result of assessment and students evaluation namely High category is 16 students (45.72%).

10) The Teachers Do Action Reflectively to Improve Learning Quality

The variable tendency of teachers Pedagogic competence in doing reflection to improve learning quality, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average

value on Pedagogic Competence is 47.5 and the Ideal of Deviation Standard is 9.5.

From the calculation above can be categorized in 4 classes as follows:

Very High : $X \geq Mi + 1.5 Sdi$

High : $Mi \leq X < Mi + 1.5 Sdi$

Low : $Mi - 1.5 Sdi \leq X < Mi$

Very Low : $X < Mi - 1.5 Sdi$

Based on that calculation can be made the tendency of distribution table as follows:

The variable of teachers competence in doing reflection to improve learning quality.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 3.25$	10	28.57%	Very High
2	$2.5 \leq X < 3.25$	13	37.15%	High
3	$2.5 \leq X < 1.75$	5	14.28%	Low
4	$X < 1.75$	7	20%	Very Low
Total		33	100%	

Table 2.14 Table of Frequency of Teachers Competence in Doing Reflection to Improve Learning Quality

Based on the table above, the frequency teachers competence in doing reflection to improve learning quality namely Very High category is 13 students (37.15%), frequency of teachers competence in doing reflection to improve learning quality namely High category is 10 students (28.57%), frequency of

teachers competence in utilizing doing reflection to improve learning quality namely Low category is 5 students (14.28%), and frequency of teachers competence in doing reflection to improve learning quality namely Very Low category is 7 student (20%).

So, it is concluded that the tendency of teachers competence in doing reflection to improve learning quality namely High category is 13 students (37.15%).

After knowing the teachers capabilities of each competence, then the researcher analyzed the Pedagogic competence of certified English teachers thoroughly in SMP Hj. Isriati Semarang. The Pedagogic Competence of certified English teachers (X) is the student perception on Pedagogic competence of certified English teachers. The variable of Pedagogic competence of certified English teachers (X) obtained from 35 respondents. There are 4 alternative answers and the highest score is 4, the lowest score is 1. Based on the variable Pedagogic competence of teacher, the highest score of 74 and the lowest score of 40, with the value of Mean (M) of 58.057, Median (Me) of 58, Mode (Mo) of 60 and Deviation Standard (SD) of 8.418.

To determine the number of intervals class used the formula is The number of class = $1 + 3,3 \log n$, where n is the total of sample or respondent. From the calculation known that $n = 35$, retrieved some grade $1 + 3.3 \log 35 = 6.09$ or rounded into 6 interval classes. The range of data counted by formula Maximal Value – Minimum Value, then retrieved the range data of $74 - 40 = 34$ While the length of class = range of data/the number of class = $34/6 = 5.666$ rounded into 6.

The Pedagogic Competence Data of certified English teachers in SMP Hj. Isriati Semarang:

Number	INTERVAL	F	PERCENTAGE
1	40 – 45	3	8.57 %
2	46 – 51	4	11.43 %
3	52 – 57	8	22.86 %
4	58 – 63	11	31.43 %
5	64 – 69	7	20 %
6	70 – 75	2	5.71 %
Total		35	100.00%

Table 2.37 Total of Pedagogic Competence Quality in SMP Hj. Isriati Semarang

Based on the frequency variable distribution of teachers competence above can be described in the chart as follow:

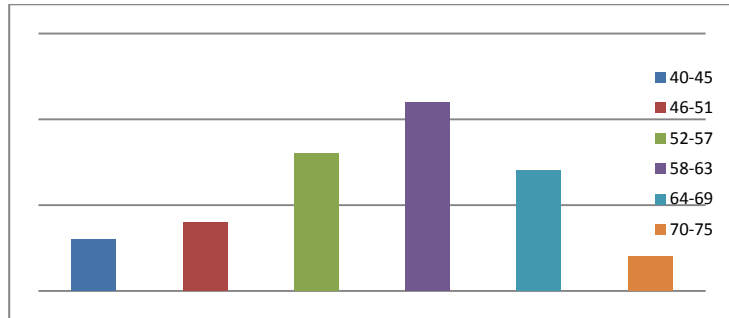


Figure 3.3 The Diagram of Frequency Distribution of X Variable in SMP Hj. Isriati Semarang

Based on table and diagram above, frequency of variable of Pedagogic Competence on certified English teachers, majority on the interval of 58 - 63 total of 11 students (31.43%) and the least on interval 70 - 75 total of 2 students (5.71%).

The variable tendency of teachers Pedagogic competence in utilizing the result of assessment and students evaluation, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (SD_i) by formula $SD_i = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 47.5 and the Ideal of Deviation Standard is 9.5.

From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq Mi + 1.5 Sdi$
- High : $Mi \leq X < Mi + 1.5 Sdi$
- Low : $Mi - 1.5 Sdi \leq X < Mi$
- Very Low : $X < Mi - 1.5 Sdi$

Based on that calculation can be made the tendency of distribution table as follows:

The variable distribution categorization competence of certified English teachers in SMP Hj. Isriati Semarang.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 61.75$	9	25.71 %	Very High
2	$47.5 \leq X < 61.75$	23	65.71 %	High
3	$33.25 \leq X < 47.5$	3	8.58 %	Low
4	$X < 33.25$	0	0 %	Very Low
Total		35	100	

Table 2.38 Table Frequency of Pedagogic Competence of Certified English Teachers

Based on the table above, the frequency of Pedagogic competence on certified English teachers namely Very High category is 9 students (25.71%), frequency of Pedagogic competence of certified English teachers namely High category is 23 students (65.71%), frequency of Pedagogic competence of certified English teachers namely Low category is 3 students (8.58%), and frequency of Pedagogic

competence of certified English teachers namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of Pedagogic competence of certified English teachers namely High category is 23 students (65.71%).

d. Teachers Pedagogic Competence in the View of EFL Learners in Sub-districts of Ngaliyan Semarang City

Teachers Pedagogic competence in the view of EFL learners (X) is the influence of certified English teachers. It was obtained by questionnaire consists of 19 questions with 100 respondents. Before the researcher analyzed the data thoroughly, so the researcher analyzed data for each competence with the result as follows:

No	Competence	SMP Hasanuddin 07						SMP Nurul Islam						SMP Hj. Isriati						SMP in Sub-districts of Ngalyan					
		ST	T	R	SR	ST	T	R	SR	ST	T	R	SR	ST	T	R	SR	ST	T	R	SR				
1	Competence 1	14	16	2	1	6	14	6	6	14	19	2	0	34	49	10	7								
2	Competence 2	26	7	0	0	15	14	3	0	23	10	2	0	64	31	5	0								
3	Competence 3	18	13	1	1	14	18	0	0	17	18	0	0	49	49	1	1								
4	Competence 4	19	10	4	0	3	12	1	16	8	14	6	7	30	36	11	23								
5	Competence 5	15	17	0	1	9	15	6	2	13	17	4	1	37	49	10	4								
6	Competence 6	22	9	2	0	16	13	3	0	18	13	3	1	56	35	8	1								
7	Competence 7	13	15	4	1	8	19	4	1	15	15	3	2	36	49	11	4								
8	Competence 8	18	11	2	1	12	18	2	0	16	17	0	2	46	47	4	3								
9	Competence 9	15	16	2	0	23	7	2	0	16	13	6	0	54	36	10	0								
10	Competence 10	13	13	7	0	17	14	1	0	10	13	5	7	40	40	13	7								

Table 2.39 Data of Each Competence for Private of SMP in Sub-districts of Ngalyan

Based on the table of variable frequency Pedagogic Competence of certified English teachers on the category:

- 1) The teachers competence in mastering students characteristic physically, moral, spiritual, social, culture, emotional and intellectually namely High category is 49 students (49%).
- 2) The teachers competence in mastering learning theory and educational Principle namely High category is 64 students (64%).
- 3) The teachers competence in developing curriculum related with English lesson namely Very High and High category are 49 students (49%).
- 4) The teachers competence in learning process namely High category is 36 students (36%).
- 5) The teachers competence in utilizing information technology to learning process namely High category is 49 students (49%).
- 6) The teachers competence in facilitating to develop and realize students potential namely Very High is 56 students (56%).
- 7) The teachers competence in communicating effectively, firm, and good manner namely High category is 49 students (49%).

- 8) The teachers competence in designing assessment and students achievement evaluation namely High category is 47 students (47%).
- 9) The teachers competence in utilizing the result of assessment and learning evaluation of Very High category is 54 students (54%).
- 10) The teachers in doing reflectively to improve learning quality namely Very High and High category is 40 students (40%)

After the researcher knows the different of data for each competence, the next is the researcher analyzed the data in groups. There are 4 alternative answers where the highest score of 4 and the lowest score of 1. Based on the data of teachers competence obtained the highest score of 74 and the lowest of 38; with the value of Mean (Me) of 58.23, Median (Me) of 58.5, Mode (Mo) of 60 and Deviation Standard of 7.66.

To determine the number of intervals class used the formula is the number of class = $1 + 3,3 \log n$, where n is the total of sample or respondent. From the calculation known that $n = 100$, retrieved some grade $1 + 3.3 \log 100 = 7.6$ or rounded into 8 interval classes. The range of data counted by formula Maximal Value – Minimum Value, then retrieved the range data of $74 - 38 = 36$ While the

length of class = range of data/the number of class = $36/8$
 = 4.5 rounded into 5.

The data of Pedagogic competence of certified English teachers

No	INTERVAL	F	PERCENTAGE
1	38 – 42	3	3 %
2	43 – 47	5	5 %
3	48 – 52	10	10 %
4	53 – 57	26	26 %
5	58 – 62	27	27 %
6	63 – 67	15	15 %
7	68 – 72	13	13 %
8	73 – 77	1	1 %
TOTAL		100	100.00%

Table 2.40 Data of Pedagogic Competence at Private of SMP in Sub-districts of Ngaliyan Semarang

Based on the table of frequency teachers competence of distribution above can be described in the chart, as follows:

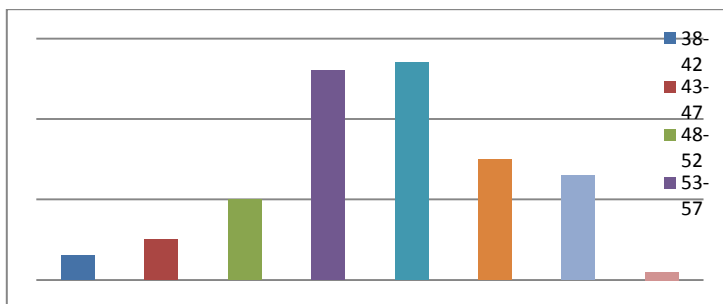


Figure 3.4 The Diagram of Frequency Distribution of X Variable in Sub-districts of Ngaliyan Semarang

Based on the table and diagram above, frequency of variable of Pedagogic competence certified English teachers majority on the interval of 58 - 62 total of 27 students (27%) and the least on interval 73 - 77 total of 1 students (1%).

The variable tendency of teachers Pedagogic competence in the view of EFL learners, after the minimum score (X_{\min}) and the maximum score (X_{\max}) known, the next is to find the ideal of average value (M_i) by formula $M_i = \frac{1}{2} (X_{\max} + X_{\min})$, to find the ideal of Deviation Standard (S_{D_i}) by formula $S_{D_i} = \frac{1}{6} (X_{\max} - X_{\min})$. Based on the reference of normality above, ideal of average value on Pedagogic Competence is 47.5 and the Ideal of Deviation Standard is 9.5.

From the calculation above can be categorized in 4 classes as follows:

- Very High : $X \geq M_i + 1.5 S_{D_i}$
- High : $M_i \leq X < M_i + 1.5 S_{D_i}$
- Low : $M_i - 1.5 S_{D_i} \leq X < M_i$
- Very Low : $X < M_i - 1.5 S_{D_i}$

Based on that calculation can be made the tendency of distribution table as follows:

The Variable distribution Categorization of Pedagogic Competence of certified English teachers.

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 61.75$	29	29 %	Very High
2	$47.5 \leq X < 61.75$	63	63 %	High
3	$33.25 \leq X < 47.5$	8	8 %	Low
4	$X < 33.25$	0	0 %	Very Low
Total		100	100 %	

Table 2.41 Data of Distribution Frequency Pedagogic Competence for SMP in Sub-districts of Ngaliyan Semarang

Based on the table above, the frequency Pedagogic competence of certified English teachers namely Very High category is 29 students (29%), frequency of Pedagogic competence of certified English teachers namely High category is 63 students (63%), frequency of Pedagogic competence of certified English teachers namely Low category is 8 students (8%), and frequency of Pedagogic competence of certified English teachers namely Very Low category is 0 student (0%).

So, it is concluded that the tendency of Pedagogic competence of certified English teachers namely High category is 63 students (63%).

2. Students Achievement in EFL at Ninth Grade of SMP in Sub-districts of Ngaliyan

a. SMP Hasanuddin 07 Semarang

Students Achievement in EFL at ninth grade in SMP Hasanuddin 07 Semarang is the result that achieved

from ability of writing, reading, making a sentence and also doing the conversation fluently and can be implementing in the daily activity, to measure variable of Students Achievement at ninth grade of SMP Hasanuddin 07 Semarang, the researcher didn't make instrument by herself but it was taken from the final score data of English lesson from grade of VII until VIII. The variable of Students English Achievement at ninth grade in SMP Hasanuddin 07 Semarang is 33 total of respondents. Based on the variable Students English Achievement at ninth grade of SMP Hasanuddin 07 Semarang, it was obtained the highest score of 321 and the lowest score of 292, with Mean (M) of 304.242, Median (M) of 305, Mode (Mo) of 305 and the Deviation Standard (SD) of 7.124.

To determine the variable tendency of Pedagogic competence of certified English teachers, after Minimum score (X min) and Maximum score (X max) known, then find the value of ideal average (Mi) by formula $Mi = \frac{1}{2} (X \max + X \min)$, and the next to find the ideal Deviation Standard (SDi) by formula $SDi = \frac{1}{6} (X \max - X \min)$, from the calculation known that $n = 33$, retrieved the number of class $1 + 3.3 \log 33 = 6$ interval classes. So, the retrieved the highest score and the lowest score. From the data obtained the highest score of 321 and the lowest

score of 292. The range of data counted by formula Maximal score – Minimum score, and obtained the range of data of $321 - 292 = 29$ while the length of class = range / number of class = $29/6 = 4.89$ rounded into 5.

The Data of Students English Achievement in English at ninth grade of SMP Hasanuddin 07 Semarang

Number	INTERVAL	F	PERCENTAGE
1	292 – 296	7	21.21 %
2	297 – 301	1	3.03 %
3	302 – 306	15	45.45 %
4	307 – 311	7	21.21 %
5	312 – 316	1	3.03 %
6	317 – 321	2	6.07 %
TOTAL		33	100%

Table 2.42 Data of Students English Achievement in SMP Hasanuddin 07 Semarang

Based on the table of frequency distribution on students learning achievement above can be described in the chart, as follows:

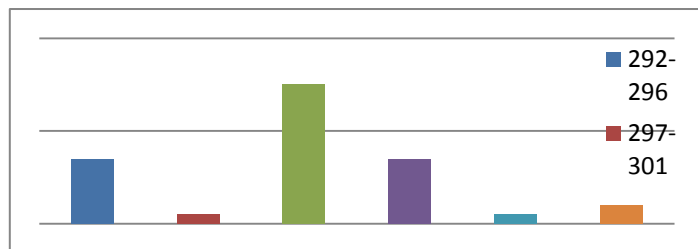


Figure 3.5 The Diagram of Students English Achievement Ninth Grade of SMP Hasanuddin 07 Semarang

Based on the table and chart above, frequency of Students English Achievement at ninth grade of SMP Hasanuddin 07 Semarang majority in the interval of 302 - 306 is 15 students (45.45%) and the least in the interval of 312 – 316 is 1 student (3.03 %).

The determination of tendency of students learning achievement based on the value ideal Mean in variable of Students English Achievement at ninth grade of SMP Hasanuddin 07 Semarang is 300, the ideal Deviation Standard of 20. From the calculation above can be categorized into 4 classes, as follows:

- Very Good : $X \geq Mi + 1.5 Sdi$
- Good : $Mi \leq X < Mi + 1.5 Sdi$
- Less : $Mi - 1.5 Sdi \leq X < Mi$
- Very Less : $X < Mi - 1.5 Sdi$

Based on the calculation above, the table of distribution tendency as follows:

Table of Categorization Distribution on Students English Achievement at ninth grade of SMP Hasanuddin 07 Semarang

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 330$	0	0 %	Very Good
2	$300 \leq X < 330$	25	75.76 %	Good
3	$270 \leq X < 300$	8	24.24 %	Less
4	$X < 270$	0	0 %	Very Less
Total		33	100%	

Table 2.43 Table of Categorization Distribution on Students English Achievement Ninth grade of SMP Hasanuddin 07 Semarang

Based on the table above, frequency of Students English Achievement at ninth grade of SMP Hasanuddin 07 Semarang namely Very Good category of 0 student (0%), frequency of Students English Achievement at ninth grade of SMP Hasanuddin 07 Semarang namely Good category of 25 students (75.76%), frequency of Students English Achievement at ninth grade of SMP Hasanuddin 07 Semarang namely Less category of 8 students (24.24 %), and frequency of Students English Achievement at ninth grade of SMP Hasanuddin 07 Semarang namely Very Less category of 0 students (0 %).

So, it is concluded that the tendency of Students English Achievement at ninth grade of SMP Hasanuddin 07 Semarang namely High category of 25 students (75.76%).

b. SMP Nurul Islam Semarang

Students English Achievement at ninth grade of SMP Nurul Islam Semarang is the result that achieved from ability of writing, reading, making a sentence and also doing the conversation fluently and can be implementing in the daily activity. To measure variable of Students English Achievement at ninth grade of SMP

Nurul Islam Semarang, the researcher didn't make instrument by herself but it was taken from the data final score of English lesson from grade of VII. The variable of Students English Achievement at ninth grade of SMP Nurul Islam Semarang is 32 total of respondents. Based on the variable Students English Achievement at ninth grade of SMP Nurul Islam Semarang, it was obtained the highest score of 330 and the lowest score of 292, with Mean (M) of 303.219, Median (M) of 300, Mode (Mo) of 300 and the Deviation Standard (SD) of 10.722.

To determine the variable tendency of Pedagogic competence of certified English teachers, after Minimum score (X min) and Maximum score (X max) known, then find the value of ideal average (Mi) by formula $Mi = \frac{1}{2} (X \max + X \min)$, and the next to find the ideal Deviation Standard (SDi) by formula $SDi = \frac{1}{6} (X \max - X \min)$, from the calculation known that $n = 32$, retrieved the number of class $1 + 3.3 \log 32 = 5.9$ interval classes rounded into 6. So, it obtained the highest score and the lowest score. From the data obtained the highest score of 330 and the lowest score of 290. The range of data counted by formula Maximal score – Minimum score, and obtained the range of data of $330 - 290 = 40$ while the length of class = range number of class = $40/6 = 6.67$ rounded into 7.

The Data of Students English Achievement at ninth grade of SMP Nurul Islam Semarang

Number	INTERVAL	F	PERCENTAGE
1	290 – 296	8	25.00 %
2	297 – 303	12	37.50 %
3	304 – 310	7	21.86 %
4	311 – 317	2	6.25 %
5	318 – 324	1	3.14 %
6	325 – 331	2	6.25 %
TOTAL		32	100.00%

Table 2.43 Table of Students English Achievement Ninth Grade of SMP Nurul Islam Semarang

Based on the table of frequency of students learning achievement of distribution above can be described in the chart, as follows:

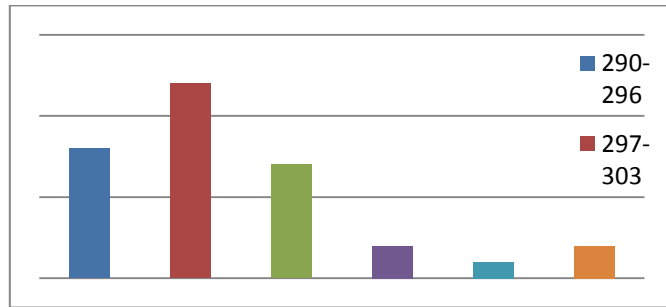


Figure 3.6 The Diagram of Students English Achievement Ninth Grade of SMP Nurul Islam Semarang

Based on the table and chart above, frequency of Students English Achievement at ninth grade of SMP Nurul Islam Semarang majority in the interval of 297-303

- 306 is 12 students (37.50%) and the least in the interval of 318 – 324 is 1 student (3.14 %).

The determination of tendency students learning achievement based on the value ideal Mean in variable of Students English Achievement at ninth grade of SMP Nurul Islam Semarang is 300, the ideal Deviation Standard of 20. From the calculation above can be categorized into 4 classes, as follows:

Very Good : $X \geq Mi + 1.5 Sdi$

Good : $Mi \leq X < Mi + 1.5 Sdi$

Less : $Mi - 1.5 Sdi \leq X < Mi$

Very Less : $X < Mi - 1.5 Sdi$

Based on the calculation above, the table of distribution tendency as follows:

Table of Categorization Distribution of Students English Achievement at ninth grade of SMP Nurul Islam Semarang

Number	Score	Frequency		Category
		Frequency	%	
1	$X \geq 330$	1	3.13 %	Very Good
2	$300 \leq X < 330$	17	53.12 %	Good
3	$270 \leq X < 300$	14	43.75 %	Less
4	$X < 270$	0	0 %	Very Less
Total		32	100%	

Table 2.44 Table of Categorization Distribution Students English Achievement Ninth Grade of SMP Nurul Islam Semarang

Based on the table above, frequency in Students English Achievement at ninth grade of SMP Nurul Islam Semarang namely Very Good category of 1 student (3.13%), frequency of Students English Achievement at ninth grade of SMP Nurul Islam Semarang namely Good category of 17 students (53.12%), frequency of Students English Achievement at ninth grade of SMP Nurul Islam Semarang namely Less category of 14 students (43.75 %), and frequency of Students English Achievement at ninth grade of SMP Nurul Islam Semarang namely Very Less category of 0 student (0 %).

So, it is concluded that the tendency of Students English Achievement at ninth grade of SMP Nurul Islam Semarang namely Good category of 17 students (53.12%).

c. SMP Hj. Isriati Semarang

Students English Achievement at ninth grade of SMP Hj. Isriati Semarang is the result that achieved from the ability of writing, reading, making a sentence and also doing the conversation fluently and can be implementing in the daily activity. To measure variable of Students English Achievement at ninth grade of SMP Hj. Isriati Semarang, the researcher didn't make instrument by herself but it was taken from the data final score of English lesson from grade of VII until VIII. The variable

on Students English Achievement at ninth grade of SMP Hj. Isriati Semarang is 35 total of respondents. Based on the variable of Students English Achievement at ninth grade of SMP Hj. Isriati Semarang, obtained the highest score of 334 and the lowest score of 297, with Mean (M) of 311.029, Median (M) of 307, Mode (Mo) of 300 and the Deviation Standard (SD) of 12.418.

To determine the variable tendency of Pedagogic competence of certified English teachers, after Minimum score (X min) and Maximum score (X max) known, then find the value of ideal average (Mi) by formula $Mi = \frac{1}{2} (X \max + X \min)$, and the next to find the ideal Deviation Standard (SDi) by formula $SDi = \frac{1}{6} (X \max - X \min)$, from the calculation known that $n = 35$, retrieved the number of class $1 + 3.3 \log 35 = 6.09$ interval classes rounded into 6. So, it obtained the highest score and the lowest score. From the data obtained the highest score of 330 and the lowest score of 290. The range of data counted by formula Maximal score – Minimum score, and obtained the range of data of $344 - 297 = 47$ while the length of class = range number of class = $47/6 = 7.83$ rounded into 8.

Data of Students English Achievement at ninth grade of SMP Hj. Isriati Semarang

Number	INTERVAL	F	PERCENTAGE
1	297 – 304	13	37.14 %

2	305 – 312	9	25.72 %
3	313 – 320	6	17.14 %
4	321 – 328	4	11.43 %
5	329 – 336	1	2.86 %
6	337 – 344	2	5.71 %
TOTAL		35	100.00%

Table 2.45 Table of Students English Achievement Ninth Grade of SMP Hj. Isriati Semarang

Based on the table of frequency students English achievement of distribution above can be described in the chart, as follows:

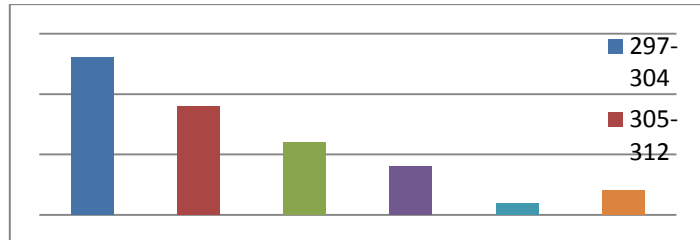


Figure3.7 The Diagram of Students English Achievement Ninth Grade of SMP Hj. Isriati Semarang

Based on the table and chart above, frequency of Students English Achievement at ninth grade of SMP Hj. Isriati Semarang majority in the interval of 297-304 is 13 students (37.14%) and the least in the interval of 329 – 336 is 1 student (2.86 %).

The determination of tendency students learning achievement based on the value ideal Mean in variable of Students English Achievement at ninth grade of SMP Hj.

Isriati Semarang is 300, the ideal Deviation Standard of 20. From the calculation above can be categorized into 4 classes, as follows:

Very Good : $X \geq Mi + 1.5 Sdi$

Good : $Mi \leq X < Mi + 1.5 Sdi$

Less : $Mi - 1.5 Sdi \leq X < Mi$

Very Less : $X < Mi - 1.5 Sdi$

Based on the calculation above, the table of distribution tendency as follows:

Table of Categorization Distribution on Students English Achievement at ninth grade of SMP Hj. Isriati Semarang

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 330$	3	8.57 %	Very Good
2	$300 \leq X < 330$	28	80.00%	Good
3	$270 \leq X < 300$	4	11.43%	Less
4	$X < 270$	0	0 %	Very Less
Total		35	100 %	

Table 2.44 The Table of Categorization Distribution Students English Achievement Ninth Grade of SMP Hj. Isriati Semarang

Based on the table above, frequency of Students Achievement at ninth grade of SMP Hj. Isriati Semarang namely Very Good category of 3 students (8.57%), frequency of Students English Achievement at ninth grade of SMP Hj. Isriati Semarang namely Good category of 28 students (80.00%), frequency of Students English Achievement at ninth grade of SMP Hj. Isriati Semarang

namely Less category of 4 students (11.43%), and frequency of Students English Achievement at ninth grade of SMP Hj. Isriati Semarang namely Very Less category of 0 students (0 %).

So, it can concluded that the tendency of Students English Achievement at ninth grade of SMP Hj. Isriati Semarang namely Good category of 28 students (80.00%).

d. Students Achievement in EFL at Ninth Grade of SMP in Sub-districts of Ngaliyan Semarang in Academic Year of 2016/2017

Students English Achievement at ninth grade of SMP in sub-districts of Ngaliyan Semarang is the result that has been achieved in the ability of writing, reading, making a sentence and also doing the conversation fluently and can be implementing in the daily activity. To measure variable of Students English Achievement lesson at ninth grade of SMP in sub-districts of Ngaliyan Semarang, the researcher didn't make an instrument by herself but it was taken from the data final score of English lesson from grade of VII until VIII. The variable on Students English Achievement at ninth grade of SMP in sub-districts of Ngaliyan Semarang is 100 respondents. Based on the variable Students English Achievement at

ninth grade of SMP in sub-districts of Ngaliyan Semarang, it was obtained the highest score of 334 and the lowest score of 290, with Mean (M) of 306.29, Median (M) of 305, Mode (Mo) of 310 and the Deviation Standard (SD) of 10.851.

To determine the variable tendency of Pedagogic competence of certified English teachers, after Minimum score (X min) and Maximum score (X max) known, then find the value of ideal average (Mi) by formula $Mi = \frac{1}{2} (X \max + X \min)$, and the next to find the ideal Deviation Standard (SDi) by formula $SDi = \frac{1}{6} (X \max - X \min)$, from the calculation known that $n = 100$, retrieved the number of class $1 + 3.3 \log 100 = 7.6$ interval classes rounded into 8. So, the retrieved the highest score and the lowest score. From the data obtained the highest score of 334 and the lowest score of 290. The range of data counted by formula Maximal score – Minimum score, and obtained the range of data of $344 - 290 = 44$ while the length of class = range number of class = $44/8 = 5.5$ rounded into 6.

The data of students English achievement ninth grade of SMP in sub-districts of Ngaliyan Semarang

Number	INTERVAL	F	PERCENTAGE
1	290 – 295	12	12 %
2	296 – 301	23	23 %
3	302 – 307	30	30 %

4	308 – 313	13	13 %
5	314 – 319	10	10 %
6	320 – 326	5	5 %
7	327 – 332	4	4 %
8	333 – 338	3	3 %
TOTAL		100	100.00%

Table 2.45 Table of Frequency Distribution Students English Achievement in Sub-districts of Ngaliyan Semarang

Based on the table of frequency students English achievement of distribution above can be described in the chart, as follows :

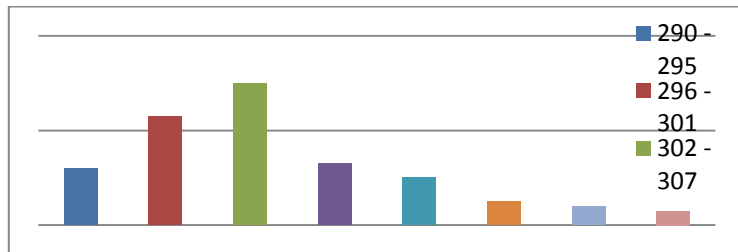


Figure 3.8 The Diagram of Students English Achievement Ninth Grade of SMP in Sub-districts of Ngaliyan Semarang

Based on the table and chart above, frequency of students English achievement at ninth grade of SMP Hj. Isriati Semarang majority in the interval of 302 - 307 is 30 students (30%) and the least in the interval of 333 - 338 is 3 students (3%).

The determination of tendency students learning achievement based on the value ideal Mean in variable of

students English achievement at ninth grade of SMP in sub-districts of Ngaliyan Semarang is 300, the ideal Deviation Standard of 20. From the calculation above can be categorized into 4 classes, as follows

- Very Good : $X \geq Mi + 1.5 Sdi$
 Good : $Mi \leq X < Mi + 1.5 Sdi$
 Less : $Mi - 1.5 Sdi \leq X < Mi$
 Very Less : $X < Mi - 1.5 Sdi$

Based on the calculation above, the table of distribution tendency as follows:

The Table of Categorization Distribution on Students English Achievement Ninth Grade of SMP in Sub-districts of Ngaliyan Semarang

No	Score	Frequency		Category
		Frequency	%	
1	$X \geq 330$	4	4 %	Very Good
2	$300 \leq X < 330$	70	70 %	Good
3	$270 \leq X < 300$	26	26%	Less
4	$X < 270$	0	0 %	Very Less
Total		100	100%	

Table 2.46 The Table of Frequency Students English Achievement Ninth Grade of SMP in Sub-districts of Ngaliyan Semarang

Based on the table above, frequency in Students English Achievement at ninth grade of SMP in sub-districts of Ngaliyan Semarang namely Very Good category of 4 students (4%), frequency in Students English Achievement at ninth grade of SMP in sub-

districts of Ngaliyan Semarang namely Good category of 70 students (70%), frequency in Students English Achievement at ninth grade of SMP in sub-districts of Ngaliyan Semarang namely Less category of 26 students (26%), and frequency in Students English Achievement at ninth grade of SMP in sub-districts of Ngaliyan Semarang namely Very Less category of 0 student (0 %).

So, it is concluded that the tendency of Students English Achievement at ninth grade of SMP in sub-districts of Ngaliyan Semarang namely Good category of 70 students (70%).

C. Hypothesis Test

1. Test of Simple Linier Regression

Before analyzing simple linier regression, first stage of test requirements is to find out the model of research regression.

1) Normality Test

Normality test is to test what the model of regression, variable of bullying or reduction have a normality distribution or no. The good regression is to have a normality distribution or approaching to normality by Liliefors Formula.

Variable Normality test of Pedagogic Competence of certified English teachers:

X MIN	38
XMAX	74
Z	0,231054
F(Z)	0,5913
S(Z)	0,68
MEAN	58,23
SD	7,660544
L	0,088636
L TABEL	0,0886
NORMAL	

From the data above, it can be concluded that Pedagogic competence of certified English teachers are normality. It can be seen because $L \geq L \text{ Tableis } 0.0886 \geq 0.0886$. While the data for variable of students English achievement, as follows:

The variable normality test of students English achievement grade of IX SMP in sub-districts of Ngaliyan Semarang:

X MIN	305
X MAX	344
Z	-0,0267
F(Z)	0,489339
S(Z)	0,62
MEAN:	306,29
SD	10,85096
L	0,130661
L.T	0,0886
NORMAL	

From the data above, it can be concluded that normality test of variable students English achievement grade of IX SMP in sub-districts of Ngaliyan Semarang are normality. It can be seen because $L \geq L$ Table is $0.130661 \geq 0.0886$.

2) Simple Regression Test

While simple regression test explained between effects on Pedagogic competence of certified English teachers towards students English achievement grade of IX SMP in sub-districts of Ngaliyan, as follows:

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	276,380	7,799		35,437	,000
X	,514	,133	,364	3,868	,000

a. Dependent Variable: y

From the table above, on *B* column there is a Constant (*a*) of 276.380, while value of *b* is 0.514. So, from the data above, the regression similarity can explained as follows:

$$Y = a + bX$$

$$Y = 276.380 + 0,514X$$

The result of analysis simple regression above showed that the result of simple regression produces is $Y = 276.380 + 0,514X$.

. That simple regression has a similarity of meaning are:

- 1) The score of constant 0,514 if the constant of Pedagogic competence of certified English teachers = 0, so the students English achievement is about 276.380.
- 2) Coefficient regression for Pedagogic competence of certified English teachers of 0,514 states that every increasing of Pedagogic competence of teacher will lead to improve learning achievement up to 0,514.

Coefficient b called coefficient direction of regression and showed the changed average of Y variable for each X variable change is one. This changing is increased when b positive and decreased when b is negative. So, from the equation can be explained that Constanta of 276.380 stated that there is no value of X then value of Y is 276.380. the coefficient regression of X of 0,514 stated that any addition 1 of X value, otomatically value of Y increased of 0.514.

From the table above, knowing that value of t_{count} of 3.868, while the value of significance is $0.000 < 0.05$, so **Ho is Rejected** and **Ha is Accepted**. It means

that there is a influence significantly between X variable and Y variable.

The magnitude influence of Pedagogic competence of certified English teachers can be seen from the magnitude of R^2 , the magnitude of calculation by SPSS application, obtained the data as follows:

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,364 ^a	,132	,124	7,19233

Based on the table above, obtained value R of 0.364, it is explained a percentage of the influence of independent variable about effects on Pedagogic competence quality of certified English teachers towards dependent variable is students English achievement called coefficient determination (R_{square}). From the table obtained R_{square} of 0,132 , it means that the effects on Pedagogic competence quality of certified English teachers have influence with students English achievement is about 13,2%, while the rest of 86,8% influenced by other factors that are not explained in this research.

ANOVA^a

Model	Sum of Squares	Df	Mean Square	F	Sig.
Regression	1543,787	1	1543,787	14,960	,000 ^b
Residual	10112,803	98	103,192		
Total	11656,590	99			

a. Dependent Variable: VAR00002

b. Predictors: (Constant), VAR00001

The table explained about the influence significantly of X variable towards Y variable. From the value of ANOVA through SPSS, it obtained score of F_{count} of 14.960 and probability $0.000 < 0.05$ so by stimulant of independent variable affect dependent variable. So, the hypothesis of effects on Pedagogic competence of certified English teachers towards students English achievement at ninth grade of SMP in sub-districts of Ngaliyan Semarang is ACCEPTED and PROVEN INFLUENCE.

D. Discussion

1. The Influence of Teachers Pedagogic Competence in the View of EFL Learners towards Student Achievement

The research aims to examine the effects on Pedagogic competence of certified English teachers grade of IX SMP in sub-districts of Ngaliyan Semarang in academic

year of 2016/2017. Based on the analysis of research, doing the discussion about the result, are:

Based on the result of analyzing known that Pedagogic competence of certified English teachers namely Very High category of 29 students (29%), frequency on Pedagogic competence of certified English teachers namely High category of 63 students (63%), frequency on Pedagogic competence of certified English teachers namely Low category of 8 students (8 %), and there is no to assess the Pedagogic competence of certified English teachers namely Very Low of 0 student (0%).

From the data above, we know that the majority of students contended that the Pedagogic competence of certified English teachers namely High. After getting certification, the teacher drilled again to sharpening their competencies through government program. If the teacher has a good competence can increase students English achievement and quality of education thoroughly.

The next step, the researcher discussed about students English achievement at grade of IX SMP in sub-districts of Ngaliyan. From the result of research obtained the data, as follows:

The students English achievement namely Very High category of 4 students (4%), frequency of students English achievement at grade of IX SMP in sub-districts of Ngaliyan

Semarang namely High category of 70 students (70%), frequency of students English achievement at grade of IX SMP in sub-districts of Ngaliyan Semarang namely Low category of 26 students (26%), and the frequency of students English achievement at grade of IX SMP in sub-districts of Ngaliyan Semarang namely Very Low category of 0 students (0%).

From the data above, majority of students have high achievements. It can be seen the data of 70 students have a high achievement in English lesson. The number of rated and showed a great level of success for teacher.

After the second data from the variable analyzed by simple regression analysis used SPSS. Before calculated the analyzing of simple regression, the researcher computed normality test to know what the data taken in normality or no. Based on the normality test obtained the data for X variable because of $L \geq L_{Table}$ is $0.0886 \geq 0.0886$. Because L count greater than or equal to significancy level of 0,5 so the data is **Normality**, while for Y variable obtained the significancy level of $0.130661 \geq 0.0886$, see the result the data Y variable is **Normality**.

After that the researcher computed the simple regression test. From the result above can be explained that there is a positive influence between Pedagogic competences of certified English teachers. This is proven by simple

regression test to know “There is a Positive Effects of Pedagogic Competence of Certified English Teachers Ninth Grade of SMP in sub-districts of Ngaliyan”. This result proven by simple regression test to know the effects on Pedagogic competence certified English teachers towards students English achievement ninth grade of SMP in sub-districts of Ngaliyan Semarang was obtained the value of $r_{count} > r_{table}$ is $0.364 > 0.256$, when tested of r_{table} with significancy level of 1%. This result explained that **Ha is Received** and **Ho is Rejected**. In addition the value of Adjusted R_{square} of 0.124 this research was proven that Pedagogic competence of teacher has influence of 0.132 or 13.2% towards student achievement.

In the world of education not only the student who required to develop their potential, but also the role of teacher is also required to have a competencies. The teacher is the position or the profession that must have special ability as a teacher. This profession can't be done by someone who hasn't the expertise to do activity as a teacher. Because the duty of teacher is to adding the authority and presence of teacher much needed of society. According to Law number 14 year of 2005 about teacher and lecturer and PP number 74 year of 2008, Teacher Competences are Pedagogic competence, Professional competence, Social, competence and Personality competence.