Appendix 15

The Calculation of Mean and Standard Deviation of the Score of the Simple Present Tense Mastery of the Grade Students of MTs Negeri Kudus in Academic Year 2011/2012 who are Taught by Using PowerPoint.

a. Mean

N = 30
Maximum Score = 82.5
Minimum Score = 55

Number of interval = 1 + (3.3) log N
= 1 + (3.3) log 30
= 1 + (3.3) × 1.48
= 1 + 4.884
= 5.884
= 6

Interval width (i)

$$i = \frac{\textit{the highest score - the lowest score}}{\textit{the number of interval}}$$

$$= \frac{82.5 - 55}{6}$$

= 4.58
= 5

Table 4.1 The Frequency Distribution of the Simple Present Tense Mastery of the Seventh Grade Students of MTs Negeri Kudus in Academic Year 2011/2012 who are Taught by Using PowerPoint.

No.	Score	f	x	fx	%
1.	55-59	5	57	285	16.67
2.	60-64	4	62	248	13.33
3.	65-69	10	67	670	33.33
4.	70-74	4	72	288	13.33
5.	75-79	5	77	385	16.67
6.	80-84	2	82	164	6.67
Total		**30**	**417**	**2040**	**100**

Mean ($\bar{x}$) = $\frac{\sum fx}{N}$

$$= \frac{2040}{30}$$

= 68