Appendix 11

The Reliability of the Test Items of Try Out for Measuring the Simple present Tense Mastery of the Seventh Grade Students of MTs N Kudus in Academic Year 2010 /2011 who are Taught by using iFlash Media

$$r_{xy} = \frac{N\sum xy-(\sum x)(\sum y)}{\sqrt{\{N\sum x^2-(\sum x)^2\}\{N\sum y^2-(\sum y)^2\}}}$$

N = 30

$\sum x$ = 347

$\sum y$ = 407

$\sum xy$ = 4779

$\sum x^2$ = 4197

$\sum y^2$ = 5627

$$r_{xy} = \frac{N\sum xy-(\sum x)(\sum y)}{\sqrt{\{N\sum x^2-(\sum x)^2\}\{N\sum y^2-(\sum y)^2\}}}$$

$$= \frac{30\times 4779-(347)(407)}{\sqrt{\{30\times 4197-(347)^2\{30\times 5627-(407)^2\}}}$$

$$= \frac{143370-141229}{\sqrt{(125910-120409)(168810-165649)}}$$

$$= \frac{2141}{\sqrt{5501\times 3161}}$$

$$= \frac{2141}{\sqrt{17388661}}$$

$$= \frac{2141}{4169.97}$$

$$= 0.51$$

$$r_{11} = \frac{2\, r_{xy}}{1 + r_{xy}}$$

$$= \frac{2 \times 0.51}{1 + 0.51}$$

$$= \frac{1.02}{1.51}$$

$$= 0.67$$

The result of the calculation above shows that the coefficient of reliability is 0.67. It means that the test items for the try out is high reliable.