

Appendix 7**The Reliability Computation of the Data Collecting Instrument****a. Reliability of the half test:**

$$r_l = \frac{\sum XY}{\sqrt{[\sum X^2][\sum Y^2]}}$$

$$r_l = \frac{5564}{\sqrt{[5531][5771]}}$$

$$r_l = \frac{5564}{\sqrt{31919401}}$$

$$r_l = \frac{5564}{5649.73}$$

$$r_l = 0.9848258$$

b. Reliability of the whole test

$$rk = \frac{2rl}{1 + rl}$$

$$rk = \frac{2(0.9848258)}{1 + 0.9848258}$$

$$rk = \frac{1.9696516}{1.9848258}$$

$$rk = 0.9923265$$