

APPENDIX 15

Reliability of Posttest 1

The statistical formula is:

$$R = 1 - \frac{6.(d^2)}{N.(n^2 - 1)}$$

$$R = 1 - \frac{6.(1200)}{35.(35^2 - 1)}$$

$$R = 1 - \frac{6.(1200)}{35.(1225 - 1)}$$

$$R = 1 - \frac{6.(1200)}{30.1224}$$

$$R = 1 - \frac{7200}{30.1224}$$

$$R = 1 - \frac{7200}{42840}$$

$$R = 1 - 0.168$$

$$R = 0.83$$

R = Reliability

N = Number of students

D = The different of rank correlation

1-6 = Constant number

(Shohamy, 1985)

It means that this posttest has very high reliability