

APPENDIX 13

Reliability of Posttest 2

The statistical formula is:

$$R = 1 - \frac{6 \cdot D^2}{N \cdot (N^2 - 1)}$$

$$R = 1 - \frac{6 \cdot 6}{30 \cdot (30^2 - 1)}$$

$$R = 1 - \frac{6 \cdot 6}{30 \cdot (900 - 1)}$$

$$R = 1 - \frac{576}{30.899}$$

$$R = 1 - \frac{576}{30.899}$$

$$R = 1 - \frac{576}{26970}$$

$$R = 1 - 0.02$$

$$R = 0.98$$

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

