

Appendix 17**Inter – Rater Reliability of Pretest 3**

| No | Students' Code | R1 | R2 | D | D² |
|-----------|-----------------------|-----------|-----------|----------|----------------------|
| 1 | AR | 68 | 72 | 1 | 1 |
| 2 | AK | 68 | 72 | 1 | 1 |
| 3 | AS | 68 | 68 | 0 | 0 |
| 4 | AKW | 64 | 72 | 1 | 1 |
| 5 | AN | 60 | 68 | 1 | 1 |
| 6 | CM | 84 | 84 | 0 | 0 |
| 7 | DLL | 76 | 80 | 1 | 1 |
| 8 | DK | 68 | 64 | 1 | 1 |
| 9 | DA | 60 | 68 | 1 | 1 |
| 10 | EAW | 68 | 76 | 1 | 1 |
| 11 | EF | 76 | 80 | 1 | 1 |
| 12 | EY | 72 | 80 | 1 | 1 |
| 13 | FCD | 84 | 84 | 0 | 0 |
| 14 | GM | 64 | 72 | 1 | 1 |
| 15 | IBS | 80 | 72 | 1 | 1 |
| 16 | IZS | 80 | 84 | 1 | 1 |
| 17 | KDV | 68 | 64 | 1 | 1 |
| 18 | KDJ | 68 | 72 | 1 | 1 |
| 19 | LZ | 84 | 84 | 0 | 0 |
| 20 | MMS | 64 | 60 | 1 | 1 |
| 21 | MR | 80 | 80 | 0 | 0 |
| 22 | NS | 68 | 68 | 0 | 0 |
| 23 | NZA | 76 | 80 | 1 | 1 |
| 24 | NA | 64 | 60 | 1 | 1 |
| 25 | NUFS | 68 | 68 | 0 | 0 |
| 26 | NW | 68 | 72 | 1 | 1 |
| 27 | OY | 80 | 84 | 1 | 1 |
| 28 | RSY | 80 | 80 | 0 | 0 |
| 29 | SID | 80 | 76 | 1 | 1 |
| 30 | SF | 68 | 68 | 0 | 0 |
| 31 | SH | 64 | 72 | 1 | 1 |
| Total | | 2220 | 2284 | 22 | 22 |

Reliability of Pretest 3

The statistical formula for counting the reliability is as follow:

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

$$R = 1 - \frac{6.22}{31(31 - 1)}$$

$$R = 1 - \frac{6.(484)}{31(961 - 1)}$$

$$R = 1 - \frac{2904}{31(960)}$$

$$R = 1 - \frac{2904}{29760}$$

$$R = 1 - 0.097$$

$$R = 0.90$$

(A very high reliability)

Where:

R : Reliability

N : Number of Students

D : The different of rank Correlation

1-6 : Constant Number

(Shohamy, 1985: 213) in Haryanti (2010: 39)