

Table
Test Retest

Resp	X	Y	X ²	Y ²	XY
1	53	52	2809	2704	2756
2	58	53	3364	2809	3074
3	57	57	3249	3249	3249
4	55	56	3025	3136	3080
5	58	54	3364	2916	3132
6	54	57	2919	3249	3078
7	59	58	3481	3364	3422
8	51	54	2601	2916	2754
9	57	59	3249	3481	3363
10	56	57	3136	3249	3192
Jumlah	558	557	31197	31073	31100

$$r = \frac{N \sum XY - (\sum X)(\sum Y)}{\sqrt{[N \sum X^2 - (\sum X)^2][N \sum Y^2 - (\sum Y)^2]}}$$

$$r = \frac{10(31100) - (558)(557)}{\sqrt{[10(31197) - (558)^2][10(31073) - (557)^2]}}$$

$$r = \frac{(311000) - (310806)}{\sqrt{(311970) - (311364)(310730) - (310249)}}$$

$$r = \frac{194}{\sqrt{(606)(481)}}$$

$$r = \frac{194}{\sqrt{290880}}$$

$$r = \frac{194}{539.33}$$

$$= 0.35$$

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4	55	56	3025	3136	3080
5	58	54	3364	2916	3132
6	54	57	2916	3249	3078
7	59	58	3481	3364	3422
8	51	55	2601	3025	2805
9	58	59	3364	3481	3422
10	56	57	3136	3249	3192
Jumlah	559	558	31309	31182	31210

$$r = \frac{N\sum XY - (\sum X)(\sum Y)}{\sqrt{[N\sum X^2 - (\sum X)^2][N\sum Y^2 - (\sum Y)^2]}}$$

$$r = \frac{10(31210) - (559)(558)}{\sqrt{[10(31309) - (559)^2][10(31182) - (558)^2]}}$$

$$r = \frac{(312100) - (311922)}{\sqrt{(313090) - (312481)(311820) - (311364)}}$$

$$r = \frac{178}{\sqrt{(609)(456)}}$$

$$r = \frac{178}{\sqrt{277704}}$$

$$r = \frac{178}{526.97}$$

$$= 0.33$$

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4	55	56	3025	3136	3080
5	58	54	3364	2916	3132
6	54	57	2916	3249	3078
7	59	58	3481	3364	3422
8	50	54	2500	2916	2700
9	57	58	3249	3364	3306
10	56	57	3136	3249	3192
Jumlah	557	556	31093	30956	30989

$$r = \frac{N \sum XY - (\sum X)(\sum Y)}{\sqrt{[N \sum X^2 - (\sum X)^2][N \sum Y^2 - (\sum Y)^2]}}$$

$$r = \frac{10(30989) - (557)(556)}{\sqrt{[10(31093) - (557)^2][10(30956) - (556)^2]}}$$

$$r = \frac{(309890) - (309692)}{\sqrt{(310930) - (310249)(309560) - (309136)}}$$

$$r = \frac{198}{\sqrt{(681)(424)}}$$

$$r = \frac{198}{\sqrt{288744}}$$

$$r = \frac{198}{537.34}$$

$$= 0.36$$