Data Hasil Reliabilitas Variabel
Persepsi Masyarakat

No.	Varians
1	0.22
2	0.67
3	0.22
4	0.22
5	0.09
6	0.89
7	0.09
8	1.56
9	0.89
10	0.12
11	0.22
12	0.22
13	0.09
14	0.09
15	0.12
16	0.12
17	0.51
18	0.14
19	0.12
Σ	6.58

1. Menghitung Varians tiap butir dengan rumus contoh butir ke 1

$$S_i^2 = \frac{\Sigma X^2 - \frac{(\Sigma X)^2}{n}}{n}$$

$$= \frac{410 - \frac{110^2}{30}}{30} = 0.22$$

2. Menghitung varians total

$$S_t^2 = \frac{\Sigma Y^2 - \frac{(\Sigma Y)^2}{n}}{n}$$

$$= \frac{201919 - \frac{2449^2}{30}}{30} = 66.63$$

3. Menghitung Reliabilitas

$$r_{11} = \frac{k}{k-1}\left(1 - \frac{\Sigma S_i^2}{S_t^2}\right)$$

$$= \frac{19}{19 - 1}\left(1 - \frac{6.58}{66.6}\right)$$

$$= 0.951$$