

UJI REALIBILITAS KUESIONER

| NO | RESPONDEN | ITEM PERTANYAAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SKOR | | | | |
|--------------------|--------------|-----------------|---------|-------|--------|---------|--------|---------|--------|--------|---------|--------|---------|--------|--------|---------|--------|--------|---------|---------|--------|---------|--------|---------|---------|--------|--------|--------|---------|---------|--------|--------|---------|--------|--------|--------|-------|----------------|-------|-------|-------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | TOTAL | X ² | | | |
| 1 | responden 1 | 5 | 4 | 4 | 3 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 4 | 3 | 5 | 4 | 5 | 4 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 3 | 5 | 4 | 3 | 4 | 5 | 5 | 147 | 21609 | |
| 2 | responden 2 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 160 | 25600 | |
| 3 | responden 3 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 5 | 3 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 159 | 25281 | |
| 4 | responden 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 165 | 27225 |
| 5 | responden 5 | 2 | 3 | 4 | 3 | 5 | 4 | 5 | 3 | 3 | 4 | 5 | 3 | 3 | 2 | 3 | 2 | 2 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 4 | 3 | 3 | 5 | 4 | 3 | 2 | 3 | 1 | 4 | 111 | 12321 | | | |
| 6 | responden 6 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 5 | 5 | 1 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 159 | 25281 | | |
| 7 | responden 7 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 162 | 26244 | | |
| 8 | responden 8 | 3 | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 2 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 4 | 1 | 3 | 1 | 5 | 5 | 3 | 4 | 4 | 3 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 144 | 20736 | | |
| 9 | responden 9 | 5 | 5 | 4 | 4 | 5 | 3 | 5 | 4 | 5 | 3 | 1 | 5 | 4 | 5 | 4 | 2 | 4 | 3 | 3 | 2 | 3 | 2 | 5 | 2 | 5 | 5 | 3 | 4 | 5 | 5 | 4 | 5 | 3 | 5 | 3 | 135 | 18225 | | | |
| 10 | responden 10 | 5 | 4 | 3 | 4 | 5 | 2 | 4 | 3 | 5 | 2 | 3 | 2 | 4 | 3 | 3 | 3 | 4 | 4 | 5 | 2 | 4 | 3 | 4 | 4 | 5 | 4 | 5 | 2 | 3 | 2 | 5 | 3 | 4 | 4 | 127 | 16129 | | | | |
| 11 | responden 11 | 4 | 4 | 3 | 4 | 4 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 4 | 4 | 152 | 23104 | | | |
| 12 | responden 12 | 4 | 5 | 5 | 3 | 5 | 4 | 3 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 2 | 3 | 5 | 5 | 4 | 3 | 4 | 155 | 24025 | | |
| 13 | responden 13 | 4 | 3 | 4 | 3 | 5 | 5 | 5 | 3 | 5 | 5 | 2 | 4 | 4 | 5 | 5 | 3 | 5 | 5 | 3 | 1 | 5 | 2 | 3 | 5 | 5 | 5 | 4 | 5 | 1 | 1 | 5 | 4 | 5 | 2 | 5 | 136 | 18496 | | | |
| 14 | responden 14 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 2 | 4 | 3 | 4 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 3 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 3 | 5 | 157 | 24649 | | | |
| 15 | responden 15 | 4 | 2 | 4 | 2 | 5 | 4 | 3 | 2 | 2 | 2 | 3 | 5 | 5 | 1 | 4 | 4 | 5 | 4 | 3 | 5 | 3 | 4 | 5 | 4 | 1 | 4 | 4 | 2 | 5 | 5 | 4 | 2 | 2 | 4 | 5 | 123 | 15129 | | | |
| 16 | responden 16 | 5 | 5 | 5 | 4 | 3 | 5 | 4 | 1 | 2 | 5 | 5 | 3 | 3 | 2 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 3 | 3 | 1 | 5 | 5 | 5 | 141 | 19881 | | | | |
| 17 | responden 17 | 5 | 3 | 4 | 5 | 4 | 3 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 3 | 5 | 5 | 5 | 157 | 24649 | | | |
| 18 | responden 18 | 5 | 4 | 4 | 3 | 2 | 4 | 3 | 4 | 2 | 4 | 5 | 4 | 5 | 5 | 5 | 2 | 5 | 3 | 4 | 4 | 2 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 4 | 1 | 4 | 4 | 5 | 1 | 3 | 134 | 17956 | | | |
| 19 | responden 19 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 5 | 2 | 4 | 5 | 4 | 5 | 5 | 3 | 5 | 2 | 5 | 2 | 3 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 145 | 21025 | | | |
| 20 | responden 20 | 5 | 4 | 5 | 3 | 5 | 4 | 5 | 2 | 5 | 1 | 2 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 3 | 4 | 5 | 3 | 4 | 5 | 146 | 21316 | | | |
| 21 | responden 21 | 4 | 1 | 4 | 3 | 5 | 5 | 4 | 2 | 3 | 3 | 2 | 3 | 4 | 3 | 5 | 3 | 2 | 4 | 5 | 2 | 2 | 1 | 3 | 4 | 4 | 5 | 4 | 5 | 4 | 2 | 4 | 5 | 5 | 5 | 3 | 124 | 15376 | | | |
| 22 | responden 22 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 3 | 4 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 3 | 155 | 24025 | | | | |
| 23 | responden 23 | 5 | 4 | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 2 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 5 | 163 | 26569 | | | |
| Σ(X) | | 103 | 93 | 100 | 92 | 102 | 101 | 98 | 84 | 89 | 94 | 92 | 98 | 103 | 93 | 100 | 89 | 98 | 101 | 98 | 85 | 92 | 82 | 100 | 98 | 98 | 106 | 101 | 98 | 94 | 92 | 98 | 94 | 98 | 91 | 102 | | | | | |
| Σ(X ²) | | 475 | 401 | 444 | 388 | 466 | 459 | 430 | 350 | 375 | 416 | 402 | 434 | 471 | 417 | 446 | 377 | 442 | 453 | 436 | 353 | 396 | 324 | 448 | 436 | 444 | 494 | 453 | 434 | 408 | 408 | 430 | 410 | 446 | 395 | 466 | | | | | |
| Σ(XY) | | 15170 | 13795 | 14694 | 13639 | 14874 | 14860 | 14301 | 12481 | 13152 | 13938 | 13602 | 14458 | 15121 | 13776 | 14694 | 13190 | 14466 | 14839 | 14448 | 12636 | 13603 | 12139 | 14712 | 14446 | 14453 | 15541 | 14836 | 14448 | 13657 | 13626 | 14411 | 13918 | 14461 | 13467 | 14999 | | | | | |
| r _{xy} | | 0.5273 | 0.63372 | 0.464 | 0.6757 | -0.0526 | 0.431 | -0.0111 | 0.4807 | 0.419 | 0.55367 | 0.4274 | 0.54499 | 0.4015 | 0.4522 | 0.42057 | 0.5013 | 0.4701 | 0.45308 | 0.48122 | 0.5277 | 0.47367 | 0.4342 | 0.45835 | 0.47455 | 0.4158 | 0.4259 | 0.4391 | 0.50966 | -0.1846 | 0.4484 | 0.4356 | 0.55827 | 0.4224 | 0.448 | 0.432 | | | | | |
| σ ₂ | | 0.6245 | 1.13439 | 0.419 | 0.9091 | 0.6206 | 0.7036 | 0.5652 | 1.9644 | 1.3913 | 1.44664 | 1.5455 | 0.74704 | 0.4427 | 1.8617 | 0.50988 | 1.4822 | 1.1107 | 0.43083 | 0.83794 | 1.7668 | 1.27273 | 1.4387 | 0.60079 | 0.83794 | 1.2016 | 0.249 | 0.4308 | 0.74704 | 1.083 | 1.8182 | 0.5652 | 1.17391 | 1.2925 | 1.5889 | 0.6206 | | | | | |
| Σ ob2 | | 35.435 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| σ _{2t} | | 221.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| r ₁₁ | | 0.8648 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

$$r_{11} = \left[\frac{k}{(k-1)} \right] \left[1 - \frac{\sum \sigma_b^2}{\sigma_i^2} \right]$$

$$= \frac{35}{(35-1)} \times \left[1 - \frac{35.435}{221.59} \right]$$

Keterangan:
 r₁₁ = Reliabilitas Instrumen
 k = Banyaknya butir pertanyaan atau banyaknya soal
 Σσ_b² = Jumlah varians butir
 σ_i² = Varians total

r_{tabel} dengan taraf signifikansi α = 0,05 adalah 0,413
 r_{hitung} > r_{tabel} = 0.865 > 0.413

Setelah dikonstruksikan ke dalam tabel interpretasi skala Likert, maka instrumen tes ini memiliki kriteria reliabilitas **sangat tinggi**
 Dengan demikian, instrumen tes ini dikatakan **reliable**

$$= 0.8648$$