**PERHITUNGAN RELIABILITAS INSTRUMEN ANGKET**

 Berdasarkan tabel kita dapat menghitung varians tiap-tiap angket yaitu :

$σ\_{1}^{2}$ = $\frac{388- \frac{9216}{25}}{25}$ = $\frac{388-368,64}{25}$ = $\frac{19,36}{25}$ = 0,774

$σ\_{2}^{2}$ = $\frac{456- \frac{10816}{25}}{25}$ = $\frac{456-432,64}{25}$ = $\frac{23,36}{25}$ = 0,934

$σ\_{3}^{2}$ = $\frac{485- \frac{11881}{25}}{25}$ = $\frac{485-475,24}{25}$ = $\frac{9,76}{25}$ = 0,39

$σ\_{4}^{2}$ = $\frac{410- \frac{10000}{25}}{25}$ = $\frac{410-400}{25}$ = $\frac{10}{25}$ = 0,4

$σ\_{5}^{2}$ = $\frac{431- \frac{10201}{25}}{25}$ = $\frac{431-408,04}{25}$ = $\frac{22,96}{25}$ = 0,918

$σ\_{6}^{2}$ = $\frac{487- \frac{11881}{25}}{25}$ = $\frac{487-475,24}{25}$ = $\frac{11,76}{25}$ = 0,470

$σ\_{7}^{2}$ = $\frac{417- \frac{10201}{25}}{25}$ = $\frac{417-408,04}{25}$ = $\frac{8,96}{25}$ = 0,358

$σ\_{8}^{2}$ = $\frac{388- \frac{9216}{25}}{25}$ = $\frac{388-368,64}{25}$ = $\frac{19,36}{25}$ = 0,774

$σ\_{9}^{2}$ = $\frac{478- \frac{11664}{25}}{25}$ = $\frac{478-466,56}{25}$ = $\frac{11,44}{25}$ = 0,458

$σ\_{10}^{2}$ = $\frac{388- \frac{9216}{25}}{25}$ = $\frac{388-368,64}{25}$ = $\frac{19,36}{25}$ = 0,774

$σ\_{11}^{2}$ = $\frac{447- \frac{10609}{25}}{25}$ = $\frac{447-424,36}{25}$ = $\frac{22,64}{25}$ = 0,905

$σ\_{12}^{2}$ = $\frac{452- \frac{10816}{25}}{25}$ = $\frac{452-432,64}{25}$ = $\frac{19,36}{25}$ = 0,774

$σ\_{13}^{2}$ = $\frac{444- \frac{10816}{25}}{25}$ = $\frac{444-432,64}{25}$ = $\frac{11,36}{25}$ = 0,454

$σ\_{114}^{2}$ = $\frac{487- \frac{11881}{25}}{25}$ = $\frac{487-475,24}{25}$ = $\frac{11,76}{25}$ = 0,470

$σ\_{15}^{2}$ = $\frac{456- \frac{10816}{25}}{25}$ = $\frac{456-432,64}{25}$ = $\frac{23,36}{25}$ = 0,934

$σ\_{16}^{2}$ = $\frac{426- \frac{10404}{25}}{25}$ = $\frac{426-416,16}{25}$ = $\frac{9,84}{25}$ = 0,394

$σ\_{17}^{2}$ = $\frac{456- \frac{10816}{25}}{25}$ = $\frac{456-432,64}{25}$ = $\frac{23,36}{25}$ = 0,934

$σ\_{18}^{2}$ = $\frac{452- \frac{10816}{25}}{25}$ = $\frac{452-432,64}{25}$ = $\frac{19,36}{25}$ = 0,774

$σ\_{19}^{2}$ = $\frac{381- \frac{9025}{25}}{25}$ = $\frac{381-361}{25}$ = $\frac{20}{25}$ = 0,8

$σ\_{20}^{2}$ = $\frac{487- \frac{11881}{25}}{25}$ = $\frac{487-475,24}{25}$ = $\frac{11,76}{25}$ = 0,470

Jadi, $\sum\_{}^{}σ\_{i}^{2}$ = 0,774 + 0,934 + 0,39+ 0,4 + 0,918 + 0,470 + 0,358 + 0,774

 + 0,458 + 0,774 + 0,905 + 0,774 + 0,454 + 0,470 + 0,934 + 0,394 + 0,934 + 0,774 + 0,8 + 0,470

 = 13,159

Dengan varians total :

$\sum\_{}^{}σ\_{t}^{2}$ = $\frac{171870- \frac{4235364}{25}}{25}$ = $\frac{171870- 169414,56}{25}$ = $\frac{2455,44}{25}$ = 98,218

Maka :

$r\_{11}$ = $\left(\frac{n}{n-1}\right)\left(1- \frac{\sum\_{}^{}σ\_{i}^{2}}{\sum\_{}^{}σ\_{t}^{2}}\right)$

 = $\left(\frac{25}{25-1}\right)\left(1- \frac{13,159}{98,218}\right)$

 = $\left(\frac{25}{24}\right)\left(1- 0,134\right)$

 = (1,04) (0,866)

 = 0,901

Berdasarkan tabel harga kritik r *product moment* dengan taraf $α$ = 0,05 untuk n = 25 diperoleh $r\_{tabel}$ = 0,396, dan koefisien reliabilitas yaitu $r\_{11}$ = 0,901, jadi $r\_{11}> r\_{tabel} $ maka instrument penelitian ini dinyatakan reliabel.