Dik:

$$n1 = 10$$
  $n2 = 10 \rightarrow rumus t$ 

$$\alpha = 0.05$$

$$S_1 = 6442,15$$
  $S_2 = 11086,29$ 

$$\bar{X}_1 = 16329,9 \quad \bar{X}_2 = 30432,5$$

Rumusan Hipotesis:

Ho:  $\mu 1 \leq \mu 2$ 

Ha:  $\mu$ 1 >  $\mu$ 2

## Satu arah kanan

Tingkat signifikan:

$$t_{tab} = \alpha; (n1 + n2 - 2) = 0.05; (18) \rightarrow \frac{1,734}{1,734}$$

$$S_p^2 = \frac{(n_1 - 1)S_1^2 + (n_2 - 1)S_2^2}{n_1 + n_2 - 2} = \frac{(9)6442,15^2 + (9)11086,29^2}{18}$$

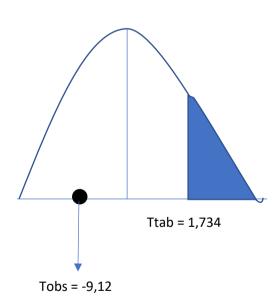
$$= \frac{373.511.669,58 + 1.106.152.433,64}{18} = \frac{1.479.664.103,22}{18}$$

= 82.203.561.29

$$t_{obs} = \frac{(\bar{x}_1 - \bar{x}_2) - (\mu_1 - \mu_2)}{\sqrt{S_p^2 \left(\frac{1}{n_1} + \frac{1}{n_2}\right)}}$$

$$= \frac{(-14102,6) - (0)}{\sqrt{82.203.561,29 \left(\frac{1}{10} + \frac{1}{10}\right)}}$$

$$= \frac{-14102,6}{16.440.712,25} = \frac{-8,57}{1}$$



Kesimpulan, Ho diterima dan Ha ditolak. Maka dari itu tidak ada perbedaan rata-rata biaya Pendidikan pada keluarga yang berpendapatan \$80.000 dan \$120.000