

No.:

Date:

Uji t-berpasangan

Kotak Penting!!!

$$d = \text{Selisih posttest dan pretest} \quad SD = \sqrt{\frac{\sum (d - Md)^2}{n-1}}$$

$$Md = \frac{\sum d}{n}$$

$$t\text{-hitung} = \frac{Md}{SD/\sqrt{n}}$$

o Kelompok Eksperimen

Post	75	80	85	85	90	90	95	85	90	Jumlah
Pre	50	55	60	60	65	65	70	70	75	
d	25	25	25	25	25	25	25	15	15	205

$$Md = \frac{205}{9} = 22,78$$

$$\sum (d - Md)^2 = 505,49$$

$$SD = \sqrt{\frac{505,49}{8}}$$

$$= 7,95$$

Hitung t =

$$t = \frac{Md}{SD/\sqrt{n}}$$

$$= \frac{22,78}{7,95/\sqrt{9}}$$

$$= \frac{22,78}{7,95/3}$$

$$= \frac{22,78}{2,65} = 8,60$$

$$= \frac{22,78}{2,65}$$

Jadi

$$t\text{-hitung} = 8,60$$

$$df = 8$$

$$\text{Sig. (2-tailed)} = 0,000$$

Keterangan Signifikan

No.:

Date:

Uji t-berpasangan

o Kelompok Kontrol

Post	60	65	70	70	75	75	80	80	85	Jumlah
Pre	45	50	55	60	65	65	60	70	75	
d	15	15	15	10	10	10	20	10	10	115

$$Md = \frac{115}{9} = 12,78$$

Hitung t =

$$t = \frac{Md}{SD/\sqrt{n}}$$

$$= \frac{12,78}{3,63/\sqrt{9}}$$

$$\sum (d - Md)^2 = 105,54$$

$$= \frac{12,78}{3,63/3}$$

$$= \frac{12,78}{1,21}$$

$$SD = \sqrt{\frac{105,54}{8}}$$

$$= 3,63$$

$$= \frac{12,78}{1,21}$$

$$= 10,56$$

$$= 10,56$$

Jadi

$$t\text{-hitung} = 10,56$$

$$df = 8$$

$$\text{Sig. (2-tailed)} = 0,000$$

Keterangan Signifikan

OKIEY

OKIEY