

No

Date

Sun

Mon

Tues

Wed

Thu

Fri

Sat

Jose Situmorang

(11518014)

①

Model Regresi

$$\sum x_i = 49$$

$$\sum y_i = 43$$

$$(\sum x_i)^2 = 323$$

$$(\sum x_i y_i) = 299$$

$$B_1 = \frac{299 - \frac{2107}{7}}{335 - \frac{2401}{7}}$$

$$= \frac{299 - 301}{335 - 343}$$

$$= \frac{-2}{-8} = \frac{2}{8} = \frac{1}{4} = 0,25$$

$$\alpha = 0,1$$

$$B_0 = \bar{y} - B_1 \bar{x}$$

$$= \frac{43}{7} - 0,25 \left( \frac{49}{7} \right)$$

$$= 6,1 - 1,75$$

$$= 4,35$$

$$\hat{y} = 4,35 + 0,25x$$

$$= 4,35 - 0,25(17)$$

$$= 0,75$$

②

Uji Presedensi

$$H_0 = P = 0,5$$

$$\alpha = 0,05$$

$$np_0 = 110(0,5)$$

$$= 55$$

$$Z = \frac{x - np_0}{\sqrt{np_0q_0}}$$

$$Z_{0,025} = 1,96$$

$$Z = \frac{78 - 55}{\sqrt{110 \cdot 0,5 \cdot 0,5}}$$

$$= \frac{23}{7,416}$$

$$= 3,10$$

Z tidak ada dalam daerah kritis

⑤ Varians unknown

$$t = \frac{85 - 89 - 0}{\sqrt{\frac{16}{20} + \frac{9}{18}}}$$

$$= \frac{-4}{\sqrt{0,8 + 0,5}}$$

$$= \frac{-4}{1,140}$$

$$= -3,5$$

$$= -3,5$$

$$= 1,63$$

$$= \frac{1,63}{0,025/12 + 0,025/14}$$

$$= \frac{1,63}{0,03 + 0,01}$$

$$= 42,25$$

SISWA

☐ Sun    ☐ Mon    ☐ Tues    ☐ Wed    ☐ Thu    ☐ Fri    ☐ Sat

Jose Sthumery

(11/5/18/014)

☐ ☒  $S_{xx} = 355 - \frac{(99)^2}{7} = 12$

☐  $S_{yy} = 282 - \frac{201^2}{7} = -18,86$

☐  $S_{xy} = 299 - 301 = 2$

☐  $r = \frac{2}{\sqrt{276,92}}$

☐  $= \frac{2}{15,04}$

☐  $= 0,13$