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Mid-test Probabilitas & Statistica (DPNA 10)

(Bagian 1)

misalkan P1, P2 untuk frame yars dipitih dari popular yang manuliki
panjang rata-sata 30 cm 8an standar deviasi 0.1 cm.

- Up1 = Up2 - 20 cm.

- Op1 = Op2 = 0.1 cm.

paying rate-rate 45 cm dan standar deviais 0.3 cm.

- Of = Ml, = 45 cm.

- Of = Of = 0.3 cm.

Dibnyx: Operinder?

rumus perinder = P1+p2+l1+ls.

Exercise 4 perous terpith secons independent nicken $\frac{\nabla p_{0}^{2} + \sigma_{0}^{2} + \sigma_{1}^{2} + \sigma_{1}^{2}}{\nabla p_{0}^{2} + \sigma_{1}^{2} + \sigma_{1}^{2}} \quad \text{Cm}$ $= \sqrt{(0.1)^{2} + (0.1)^{2} + (0.1)^{2} + (0.1)^{2} + (0.1)^{2}} \quad \text{Cm}$ $= \sqrt{0.1 + 0.01 + 0.03 + 0.00} \quad \text{cm}$ $= \sqrt{0.2} \quad \text{cm}$ $= \sqrt{0.2} \quad \text{cm}$ $= \sqrt{0.447} \quad \text{cm}_{1}$

Segion 2 }

Dikethui . $P = 2\pi \sqrt{\frac{1}{6}}$ $g = 9.8 \text{ m/s}^2$ $L = 0.742 \pm 0.005 \text{ m}$

Ditanya: Fotovari T? dan tentukau ketidakparlinnnya:

Penyelesnian: $T = 2\pi \sqrt{\frac{L}{3}} = 2\pi \times \sqrt{\frac{0.742}{9.8}} \approx 1.728 \text{ s}$

(Keridat profession profession of the state of the state