

LKPD DATA TUNGGAL

(KUARTIL, PERSENTIL, JANGKAUAN, JANGKAUAN INTERKUARTIL, VARIAN DAN SIMPANGAN BAKU)

Carilah Kuartil, Persentil ke-30, Jangkauan, jangkauan interkuartil, simpangan baku dan varian dari data berat badan dari data dibawah

No	Berat Badan	Frekuensi	FK
1	10	2	2
2	11	3	5
3	12	4	9
4	13	5	14
5	14	6	20
Jumlah		20	

KUARTIL

$$Q_1 = X \frac{1}{4} (n + 2) \text{ genap}$$

$$Q_1 = X \frac{1}{4} (\quad + 2)$$

$$Q_1 = X \frac{1}{4} (\quad)$$

$$Q_1 = X$$

$$Q_1 =$$

$$Q_2 = \frac{1}{2} (X_{\frac{n}{2}} + X_{\frac{n}{2}+1}) \text{ genap}$$

$$Q_2 = \frac{1}{2} (X_{\frac{\quad}{2}} + X_{\frac{\quad}{2}+1})$$

$$Q_2 = \frac{1}{2} (X_{\quad} + X_{\quad+1})$$

$$Q_2 = \frac{1}{2} (\quad + \quad)$$

$$Q_2 =$$

$$Q_3 = X \frac{1}{4} (3n + 2) \text{ genap}$$

$$Q_3 = X \frac{1}{4} (3. \quad + 2)$$

$$Q_3 = X \frac{1}{4} (\quad)$$

$$Q_3 = X$$

$$Q_3 =$$

PERSENTIL

Cari persentil ke-30

$$Pi = X \frac{i(n+1)}{100}$$

$$P30 = X \frac{(\quad + 1)}{100}$$

$$P30 = X \frac{(\quad)}{100}$$

$$P30 = X \frac{\quad}{100}$$

$$P30 = X$$

$$P30 =$$

JANGKAUAN

$$\text{Jangkauan data} = x_{\max} - x_{\min}$$

$$\text{Jangkauan data} = \quad -$$

$$\text{Jangkauan data} =$$

JANGKAUAN INTERKUARTIL

$$\text{Jangkauan interkuartil} = Q_3 - Q_1$$

$$\text{Jangkauan interkuartil} = \quad -$$

$$\text{Jangkauan interkuartil} =$$

VARIAN

$$\bar{x} = 12,5$$

Nilai	Frekuensi (f_i)	$(x_i - \bar{x})^2$	$f_i(x_i - \bar{x})^2$
10	2		
11	3		
12	4		
13	5		
14	6		
Jumlah	20		

$$\text{Varian} = \frac{\sum f_i(x_i - \bar{x})^2}{\sum f}$$

$$\text{Varian} = \quad$$

$$\text{Varian} =$$

SIMPANGAN BAKU

$$\text{Simpangan baku (s)} = \sqrt{\text{Varians}}$$

$$\text{Simpangan baku (s)} = \sqrt{\quad}$$