

NAMA:

KELAS:

BAB 8 : SUKATAN SERAKAN DATA TAK TERKUMPUL

SUBTOPIK 8.2 : SUKATAN SERAKAN

Hitung min, varians dan sisihan piawai bagi set data di bawah.

1. 8, 9, 11, 12, 13, 16

$$\text{Min}, \bar{x} = 8 + \boxed{} + \boxed{} + \boxed{} + \boxed{} + \boxed{} = \boxed{}$$

$$\begin{aligned} \text{Varians}, \sigma^2 &= 8^2 + \boxed{}^2 + \boxed{}^2 + \boxed{}^2 + \boxed{}^2 + \boxed{}^2 - 11.5^2 \\ &= \boxed{} \end{aligned}$$

$$\text{Sisihan piawai}, \sigma = \sqrt{6.92} = \boxed{}$$

2.

Umur, x	Kekerapan, f	fx	x ²	fx ²	
1	1	1		1	$\begin{aligned} \text{Min}, \bar{x} &= \frac{\sum fx}{\sum f} \\ &= \frac{\boxed{}}{\boxed{}} \\ &= \boxed{} \end{aligned}$
2	3				
3	8				
4	6				
5	7				
	$\sum f =$	$\sum fx =$		$\sum fx^2 =$	$= \boxed{}$

$$\text{Varians}, \sigma^2 = \frac{\sum fx^2}{\sum f} - \bar{x}^2 = \frac{\boxed{}}{\boxed{}} - \boxed{} = \boxed{}$$

$$\text{Sisihan piawai}, \sigma = \sqrt{\frac{\sum fx^2}{\sum f} - \bar{x}^2} = \sqrt{\boxed{}} = \boxed{}$$