## 1 Diketahui data

15 12 15 16 20 12

Tentukan:

2. Modus dan data diatas, dan jelarkan! Jawab:

Modus data diatas adalah 12 dan 15. karena angka tersebut muncul 2 kali (sering muncul).

b. Jumiah dani Median & kvartil 3!

- Median

$$M = \frac{15+15}{2} = \frac{30}{2} = 15$$

- Kvartil 3 (Q3)

Banyak data: 6 Data terkecil: 12

$$a_{1} = \frac{n+1}{4} = \frac{6+1}{4} = \frac{7}{4} = \frac{1}{175} = 2$$
  $a_{1} = 12$ 

$$Q_2 = 2\left(\frac{n+1}{4}\right) = 2\left(\frac{6+1}{4}\right) = 2\left(\frac{1}{4}\right) = 2\left(1.75\right) = 3.5 = 3 = Q_2 = 15$$

$$Q_3 = 3\left(\frac{n+1}{4}\right) = 3\left(\frac{6+1}{4}\right) = 3\left(\frac{7}{4}\right) = 3\left(1.75\right) = 5.25 = 5 = Q_3 = 16$$

$\tilde{a}$		-
2)	Jml Ketidakhadiran (Dalam-Hari)	Frekvensi
	1 - 3	15.
	4 - 6	12.
	7-9	7 '
	10-12	િ
	13 -15	1
,	2	40

Jawab

\_ Nilai tengah / median ?

$$\frac{40}{2} = 20$$

Tentokan selisih antara nilai tengah dgn jumlah kwartil 183!

Me = 0,5 + 
$$\left(\frac{15-0}{20}\right) \times 3$$
  
= 0,5 +  $\left(\frac{15}{20}\right) \times 3$ 

$$=0.5+(\frac{3}{4})\times3$$

$$Q_{1} = \frac{1}{4} - 40 = 10$$

$$Tb = 0.5 \qquad f_{1} = 15$$

$$f_{k} = 0 \qquad p = 3$$

$$Q_{1} = tb + \left(\frac{1}{4}n - f_{k}\right) - p$$

$$= 0.5 + \left(\frac{1}{4}.40 - 0\right) \cdot 3$$

$$= 0.5 + \left(\frac{10}{15}\right) \cdot 3$$

$$= 0.5 + 2.01 = 2.51$$

1. (1)

$$Q_{3} = \frac{3}{4} \cdot 40 = 30$$

$$Tb = 6.5 + \frac{3}{4} \cdot \frac{18}{7} \cdot \frac{18}{7} \cdot \frac{3}{7} \cdot \frac{18}{7} \cdot \frac{18}{7} \cdot \frac{3}{7} \cdot \frac$$