Nama: Andri Firman Saputra statutiu Dasar

NIM: 201011402125 (Ganil) Pertemuan 7

1. Untuk mengetahui kompetensi hukum pengacara Jiambil sampel secara acak sebantak 85 orang. Skor kompetensinta di Sajikan dalam tabel berikke

Suor	F	α :	fi.xi	xi2.	(fi.xi)2
60-64	4	62	248	3844	15.376
65-69	5	67	335	4489	22.445
70-74	7	72	504	5184	36-288
75-79	12	77	924	5927	71.148
80 - 84	20	82	1640	6724	134.480
85 - 89	15	87	1305	7569	113.535
90-94	12	92	1104	8464	101. 569
95-99	10	97	970	9409	94.090
Jumiah	85		7030	HE FLE	588.930

a. Mean $\overline{x} = \frac{\sum_{i} f_{i} \cdot x_{i}}{\sum_{i} f_{i}} = \frac{7.030}{95} = 82,7$

b. Median Jon Modus Median

 $tb = \chi(\frac{1}{2}) = \frac{85+1}{2} = \chi(43 = 80-0,5 = 79,5)$

FM = 20

P = 5

 $m_{e} = tb + \frac{n+1}{2} - \Sigma f$, $P = 79,5 + \frac{43-28}{20}.5$

= 79,5 (5).5

= 79,5 + 3,75

= 83,25

Modus

$$t = 79,5$$

 $p = 5$
 $\Delta_1 = 20 - 11 = 8$
 $\Delta_2 = 20 - 15 = 5$

$$Mo = tb + \left(\frac{\Delta_1}{\Delta_1 + \Delta_2}\right) \cdot l$$

$$= 49.5 + (8).5$$

= 79,5 +3,07

= 82,57

C. Quartil (Q1, Q2 Jan 23)

$$Q_1 = \frac{i(n+1)}{4} = \frac{1(85+1)}{4} = 21.5$$

P = 5

FQ = 12

$$Q_1 = \frac{1}{12} + \frac{1$$

=76,79

No.

Date

$$Q_{\circ} = \frac{1(n+1)}{4}$$

$$= \frac{2(85+1)}{4}$$

$$= \frac{2(86)}{4}$$

$$=\frac{172}{4}$$

$$Q_2 = tb + \left(\frac{Q_2 - \sum f}{fQ_2}\right) \cdot P = 79.5 + \left(\frac{43 - 28}{20}\right) \cdot 5$$

FQ3= 12

$$03 = \frac{1(n+1)}{4} = \frac{3(85+1)}{4} = 64.5$$

$$16 = 30 - 0.5 = 89.5$$

$$16 = 445 + 7 + 12 + 20 + 15 = 63$$

$$Q_3 = +6 + \left(\frac{Q_3 - \sum F}{FQ_3}\right) \cdot P = 89.5 + \left(\frac{64.5 - 63}{12}\right) \cdot S$$

= 89.5 + 0,625

= 90,125

J. Desil (Di. Da don Da)

$$D_i = \frac{i(n+1)}{10} = \frac{6(85+1)}{10} = 51,6$$

16= 85-0,5 = 84,5

P = 5

SF= 4+5+7+12+20=48

FD6=15

$$D_6 = + 6 + \left(\frac{D_6 - \Sigma_f}{fD_6}\right) \cdot P = 84,5 + \left(\frac{51,6 - 48}{15}\right) \cdot 5$$

= 84,5 + 1,2

= 85,7

$$D7 = \frac{i(n+1)}{10} = \frac{7(85+1)}{10} = 60.2$$

t6 = 85-0,5 = 84,5

P = 5

EF=4+5+7+12+20=48

$$D7 = + 6 + \left(\frac{07 - \Sigma F}{FD7}\right) \cdot P = 84,5 + \left(\frac{60,2 - 48}{15}\right) \cdot 5$$

= 84,5 + 4,06

$$D_9 = \frac{i(n+1)}{10} = \frac{9(85+1)}{10} = 77,4$$

$$D_9 = +6 + \left(\frac{D_9 - \Sigma_F}{fD_9}\right) \cdot P = 94,5 + \left(\frac{77,4 - 75}{10}\right) \cdot 5$$

8. Persentil
$$P_{25} = \frac{i(n+1)}{100} = \frac{25(85+1)}{100} = 21.5$$

= 74,5 + 2,2)

= 76,79

P70 = i (1+1)

= 70 (85+1)

= 60.2

+6 = 85-0,5 = 84,5

P = 5

EF= 415 + 7 + 12 + 20 = 48

FP70 = 15

P70= tb + (P70- SF). P=84,5+ (60,2-48).5

= 84,5 + 4106

= 88,56

$$P90 = \frac{1}{100} (n+1) = \frac{90(85+1)}{100} = 77,4$$

$$P90 = + 6 + \left(\frac{190 - \sum F}{P90}\right) \cdot P = 94,5 + \left(\frac{77.4 - 75}{10}\right) \cdot 5$$

i. Standar Deviasi Jan Varians

$$S = \sqrt{\sum_{i} F_{i} \chi_{i}^{2} - (\bar{\pi})^{2}}$$

$$= \sqrt{588.930 - (82,70)^2}$$

Varians

$$5^2 = (\sqrt{89.298})^2$$