

LAMPIRAN 11
PERHITUNGAN PERSENTIL

SKOR HIPOTETIK

A. Kualitas Persahabatan

1. Total aitem = 21
2. X_{min} = $\sum 21 \times$ skor terkecil pada skala
= $21 \times 1 = 21$
3. X_{max} = \sum aitem \times skor terbesar pada skala
= $21 \times 5 = 105$
4. Mean (μ_H) = $\frac{1}{2} (X_{max} + X_{min})$
= $\frac{1}{2} (105 + 21)$
= 58
5. SD (σ_H) = $\frac{1}{6} (X_{max} - X_{min})$
= $\frac{1}{6} (105 - 21)$
= 15,66

Kategorisasi

1. Sangat rendah = $X < (\mu_H - 1,8 \sigma_H)$
= $X < (58 - 1,8 \times 15,66)$
= $X < 28,06$
2. Rendah = $\mu_H - 1,8 \sigma_H \leq X \leq \mu_H - 0,6 \sigma_H$
= $28,06 \leq X \leq (58 - 0,6 \times 15,66)$
= $28,06 \leq X \leq 48,604$
3. Sedang = $\mu_H - 0,6 \sigma_H < X \leq \mu_H + 0,6 \sigma_H$
= $48,604 < X \leq (58 + 0,6 \times 15,66)$
= $48,604 < X \leq 67,396$
4. Tinggi = $\mu_H + 0,6 \sigma_H < X \leq \mu_H + 1,8 \sigma_H$
= $67,396 < X \leq (58 + 1,8 \times 15,66)$
= $67,396 < X \leq 86,188$

$$\begin{aligned}
 5. \text{ Sangat tinggi} &= X > \mu_H + 1,8\sigma_H \\
 &= X > 86,188
 \end{aligned}$$

B. Keterlibatan Siswa

$$\begin{aligned}
 1. \text{ Total aitem} &= 11 \\
 2. X_{\min} &= \sum \text{aitem} \times \text{skor terkecil pada skala} \\
 &= 11 \times 1 = 11 \\
 3. X_{\max} &= \sum \text{aitem} \times \text{skor terbesar pada skala} \\
 &= 11 \times 5 = 55 \\
 4. \text{ Mean } (\mu_H) &= \frac{1}{2} (X_{\max} + X_{\min}) \\
 &= \frac{1}{2} (55 + 11) \\
 &= 33 \\
 5. \text{ SD } (\sigma_H) &= \frac{1}{6} (X_{\max} - X_{\min}) \\
 &= \frac{1}{6} (55 - 11) \\
 &= 7,33
 \end{aligned}$$

Kategorisasi

$$\begin{aligned}
 1. \text{ Sangat rendah} &= X < (\mu_H - 1,8 \sigma_H) \\
 &= X < (33 - 1,8 \times 7,33) \\
 &= X < 19,806 \\
 \\
 2. \text{ Rendah} &= \mu_H - 1,8 \sigma_H \leq X \leq \mu_H - 0,6 \sigma_H \\
 &= 19,806 \leq X \leq (33 - 0,6 \times 7,33) \\
 &= 19,806 \leq X \leq 28,602 \\
 \\
 3. \text{ Sedang} &= \mu_H - 0,6 \sigma_H < X \leq \mu_H + 0,6 \sigma_H \\
 &= 28,602 < X \leq (33 + 0,6 \times 7,33) \\
 &= 28,602 < X \leq 37,398 \\
 \\
 4. \text{ Tinggi} &= \mu_H + 0,6 \sigma_H < X \leq \mu_H + 1,8 \sigma_H \\
 &= 37,398 < X \leq (33 + 1,8 \times 7,33) \\
 &= 37,398 < X \leq 46,194
 \end{aligned}$$

$$5. \text{ Sangat tinggi} = X > \mu_H + 1.8\sigma_H$$

$$= X > 46,194$$

SKOR EMPIRIK

Statistics

		SE	KP
N	Valid	266	266
	Missing	0	0
Mean		37.6015	75.8459
Std. Error of Mean		.37400	.63439
Median		38.0000	74.0000
Mode		38.00 ^a	71.00 ^a
Std. Deviation		6.09972	10.3465
Variance		37.207	107.052
Range		33.00	59.00
Minimum		21.00	43.00
Maximum		54.00	102.00
Sum		10002.0	20175.0
Percentiles	20	32.0000	67.0000
	40	36.0000	72.0000
	60	39.0000	78.0000
	80	42.0000	85.0000

a. Multiple modes exist. The smallest value is shown

SE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	21	2	.8	.8	.8
	22	2	.8	.8	1.5
	24	2	.8	.8	2.3
	25	2	.8	.8	3.0
	27	4	1.5	1.5	4.5
	28	3	1.1	1.1	5.6
	29	6	2.3	2.3	7.9
	30	11	4.1	4.1	12.0
	31	12	4.5	4.5	16.5
	32	10	3.8	3.8	20.3
	33	14	5.3	5.3	25.6
	34	7	2.6	2.6	28.2
	35	18	6.8	6.8	35.0
	36	19	7.1	7.1	42.1
	37	16	6.0	6.0	48.1
	38	21	7.9	7.9	56.0
	39	15	5.6	5.6	61.7
	40	21	7.9	7.9	69.5
	41	18	6.8	6.8	76.3
	42	13	4.9	4.9	81.2
	43	7	2.6	2.6	83.8
	44	12	4.5	4.5	88.3
	45	10	3.8	3.8	92.1
	46	5	1.9	1.9	94.0
	48	3	1.1	1.1	95.1
	49	3	1.1	1.1	96.2
	50	2	.8	.8	97.0
	51	4	1.5	1.5	98.5
	53	3	1.1	1.1	99.6
	54	1	.4	.4	100.0
Total		266	100.0	100.0	

KP

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	43	1	.4	.4	.4
	50	1	.4	.4	.8
	54	1	.4	.4	1.1
	55	2	.8	.8	1.9
	56	2	.8	.8	2.6
	57	2	.8	.8	3.4
	58	3	1.1	1.1	4.5
	59	1	.4	.4	4.9
	60	2	.8	.8	5.6
	61	3	1.1	1.1	6.8
	62	2	.8	.8	7.5
	63	5	1.9	1.9	9.4
	64	6	2.3	2.3	11.7
	65	6	2.3	2.3	13.9
	66	7	2.6	2.6	16.5
	67	10	3.8	3.8	20.3
	68	6	2.3	2.3	22.6
	69	12	4.5	4.5	27.1
	70	12	4.5	4.5	31.6
	71	13	4.9	4.9	36.5
	72	13	4.9	4.9	41.4
	73	12	4.5	4.5	45.9
	74	12	4.5	4.5	50.4
	75	8	3.0	3.0	53.4
	76	11	4.1	4.1	57.5
	77	6	2.3	2.3	59.8
	78	4	1.5	1.5	61.3
	79	9	3.4	3.4	64.7
	80	8	3.0	3.0	67.7
	81	6	2.3	2.3	69.9
	82	8	3.0	3.0	72.9
	83	8	3.0	3.0	75.9
	84	9	3.4	3.4	79.3
	85	5	1.9	1.9	81.2
	86	9	3.4	3.4	84.6
	87	5	1.9	1.9	86.5
	88	2	.8	.8	87.2
	89	7	2.6	2.6	89.8
	90	3	1.1	1.1	91.0
	91	3	1.1	1.1	92.1
	92	5	1.9	1.9	94.0
	93	4	1.5	1.5	95.5
	94	2	.8	.8	96.2
	96	1	.4	.4	96.6
	97	2	.8	.8	97.4
	98	1	.4	.4	97.7
	99	1	.4	.4	98.1
	101	4	1.5	1.5	99.6
	102	1	.4	.4	100.0
Total		266	100.0	100.0	