

Lampiran 17

Tabel Bantu Perhitungan Korelasi Lingkungan belajar (X_2) di Rumah Terhadap Prestasi Belajar(Y) Siswa di SMP Negeri 3 Jati Agung

No	X_2	Y	X_2^2	Y^2	$X_2 \cdot Y$
1	40	56	1600	3136	2240
2	46	58	2116	3364	2668
3	37	44	1369	1936	1628
4	34	50	1156	2500	1700
5	45	68	2025	4624	3060
6	41	66	1681	4356	2706
7	50	74	2500	5476	3700
8	45	72	2025	5184	3240
9	47	72	2209	5184	3384
10	50	78	2500	6084	3900
11	29	40	841	1600	1160
12	29	47	841	2209	1363
13	34	45	1156	2025	1530
14	38	47	1444	2209	1786
15	31	40	961	1600	1240
16	34	45	1156	2025	1530
17	34	47	1156	2209	1598
18	48	72	2304	5184	3456
19	36	55	1296	3025	1980
20	42	57	1764	3249	2394
21	39	55	1521	3025	2145
22	36	50	1296	2500	1800
23	31	47	961	2209	1457
24	26	30	676	900	780
25	35	45	1225	2025	1575
26	39	55	1521	3025	2145
27	33	57	1089	3249	1881
28	33	50	1089	2500	1650
29	39	50	1521	2500	1950
30	43	60	1849	3600	2580
31	42	60	1764	3600	2520
32	48	70	2304	4900	3360
33	34	52	1156	2704	1768
34	40	58	1600	3364	2320
35	44	60	1936	3600	2640
36	40	56	1600	3136	2240
37	45	66	2025	4356	2970
38	42	64	1764	4096	2688
39	43	66	1849	4356	2838
40	36	58	1296	3364	2088
	1568	2242	63247	130188	89658

Diketahui :

$$\begin{array}{lll} \sum X_1 & = 1568 & \sum Y_1 = 2242 \\ \sum X_1^2 & = 63247 & \sum Y_1^2 = 130188 \\ N & = 40 & \sum XY = 89658 \end{array}$$

$$\begin{aligned} r_{xy} &= \frac{N\sum XY - (\sum X)(\sum Y)}{\sqrt{\{(N\sum X^2 - (\sum X)^2)\{N\sum Y^2 - (\sum Y)^2\}}} \\ &= \frac{40.89658 - (1568)(2242)}{\sqrt{\{40.63247 - (1568)^2\}\{40.130188 - (2242)^2\}}} \\ &= \frac{3586320 - 3515456}{\sqrt{\{2529880 - 2458624\}\{5207520 - 5026564\}}} \\ &= \frac{70864}{\sqrt{71256.180956}} \\ &= \frac{70864}{113552,634} \\ &= 0,624 \text{ (Kuat)} \end{aligned}$$