

Lampiran 16

Tabel Bantu Perhitungan Korelasi Kebiasaan belajar (X_1) Terhadap Prestasi Belajar (Y) Siswa di SMP Negeri 3 Jati Agung

No	X_1	Y	X_1^2	Y^2	$X_1 \cdot Y$
1	52	56	2704	3136	2912
2	47	58	2209	3364	2726
3	47	44	2209	1936	2068
4	51	50	2601	2500	2550
5	58	68	3364	4624	3944
6	56	66	3136	4356	3696
7	58	74	3364	5476	4292
8	53	72	2809	5184	3816
9	52	72	2704	5184	3744
10	61	78	3721	6084	4758
11	40	40	1600	1600	1600
12	50	47	2500	2209	2350
13	50	45	2500	2025	2250
14	51	47	2601	2209	2397
15	38	40	1444	1600	1520
16	52	45	2704	2025	2340
17	45	47	2025	2209	2115
18	53	72	2809	5184	3816
19	51	55	2601	3025	2805
20	56	57	3136	3249	3192
21	52	55	2704	3025	2860
22	55	50	3025	2500	2750
23	45	47	2025	2209	2115
24	43	30	1849	900	1290
25	40	45	1600	2025	1800
26	56	55	3136	3025	3080
27	43	57	1849	3249	2451
28	54	50	2916	2500	2700
29	49	50	2401	2500	2450
30	59	60	3481	3600	3540
31	48	60	2304	3600	2880
32	59	70	3481	4900	4130
33	48	52	2304	2704	2496
34	57	58	3249	3364	3306
35	59	60	3481	3600	3540
36	58	56	3364	3136	3248
37	51	66	2601	4356	3366
38	57	64	3249	4096	3648
39	59	66	3481	4356	3894
40	55	58	3025	3364	3190
	2051	2242	108266	130188	117623

Diketahui :

$$\begin{array}{lll} \sum X_1 & = 2051 & \sum Y_1 = 2242 \\ \sum X_1^2 & = 108266 & \sum Y_1^2 = 130188 \\ N & = 40 & \sum XY = 117623 \end{array}$$

$$\begin{aligned} r_{xy} &= \frac{N\sum XY - (\sum X)(\sum Y)}{\sqrt{\{(N\sum X^2 - (\sum X)^2)\{N\sum Y^2 - (\sum Y)^2\}}} \\ &= \frac{40.117623 - (2051)(2242)}{\sqrt{\{40.108266 - (2051)^2\}\{40.130188 - (2242)^2\}}} \\ &= \frac{4704920 - 4598342}{\sqrt{\{4330640 - 4206601\}\{5207520 - 5026564\}}} \\ &= \frac{106578}{\sqrt{124039.180956}} \\ &= \frac{106578}{149818,56} \\ &= 0,711 \text{ (Kuat)} \end{aligned}$$