

LAMPIRAN 13

Uji Coba Tes Prestasi

Item Soal No 1

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	0	15	0	225	0
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	0	14	0	196	0
8	Handi ramdan	1	14	1	196	14
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	0	13	0	169	0
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	0	12	0	144	0
14	Levi darmila	1	12	1	144	12
15	Merzan	1	12	1	144	12
16	Meliyana	1	12	1	144	12
17	Naya carera	0	11	0	121	0
18	Nely audina	1	11	1	121	11
19	Nurkosim	1	11	1	121	11
20	Nopran putra	0	10	0	100	0
		14	267	15	3695	192

$$\begin{aligned}
 r_{xy} &= \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}} \\
 &= \frac{20(192) - (14)(267)}{\sqrt{[20(14) - (14)^2][20(3695) - 267^2]}} \\
 &= \frac{3860 - 3738}{\sqrt{[280 - (196)][73900 - 71289]}} \\
 &= \frac{122}{\sqrt{24012}} \\
 &= \frac{122}{490,11} \\
 &= 0,2
 \end{aligned}$$

Item Soal No 2

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	0	16	0	256	0
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	1	14	1	196	14
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	0	14	0	196	0
11	Julia astina	1	13	1	169	13
12	Lismawati	0	13	0	169	0
13	Juli aguswanto	1	12	1	144	12
14	Levi darmila	0	12	0	144	0
15	Merzan	0	12	0	144	0
16	Meliyana	0	12	0	144	0
17	Naya carera	1	11	1	121	11
18	Nely audina	0	11	0	121	0
19	Nurkosim	0	11	0	121	0
20	Nopran putra	1	10	1	100	10
		12	267	12	3695	166

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(166) - (12) \cdot (267)}{\sqrt{[20 \cdot 12 - (12)^2][20 \cdot 3695 - 267^2]}}$$

$$= \frac{3320 - 3204}{\sqrt{[240 - (144)]73900[-71289]}}$$

$$= \frac{116}{\sqrt{250656}}$$

$$= \frac{116}{500,65}$$

$$= 0,33$$

Item soal no 3

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	0	17	0	289	0
2	Astria sunata	0	17	0	289	0
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	0	15	0	225	0
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	1	14	1	196	14
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	1	13	1	169	13
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	1	12	1	144	12
14	Levi darmila	0	12	0	144	0
15	Merzan	1	12	1	144	12
16	Meliyana	1	12	1	144	12
17	Naya carera	0	11	0	121	0
18	Nely audina	1	11	1	121	12
19	Nurkosim	0	11	0	121	0
20	Nopran putra	1	10	1	100	10
		14	267	14	3685	199

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(199) - (14)(267)}{\sqrt{[20(14) - (14)^2][20(3685) - 267^2]}}$$

$$= \frac{-4272}{\sqrt{[320 - (196)]73900[-71289]}}$$

$$= \frac{242}{\sqrt{323764}}$$

$$= \frac{242}{596,00}$$

$$= 0,40$$

Item Soal No 4

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	0	14	0	196	0
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	1	13	1	169	13
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	1	12	1	144	12
14	Levi darmila	0	12	0	144	0
15	Merzan	0	12	0	144	12
16	Meliyana	1	12	1	144	12
17	Naya carera	0	11	0	121	0
18	Nely audina	1	11	1	121	11
19	Nurkosim	0	11	0	121	0
20	Nopran putra	0	10	0	100	0
		14	267	14	3695	209

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(209) - (14)(267)}{\sqrt{[20(14) - (14)^2][20(3695) - 267^2]}}$$

$$= \frac{4180 - 3738}{\sqrt{[280 - (196)]73900[-71289]}}$$

$$= \frac{442}{\sqrt{219324}}$$

$$= \frac{442}{468,32}$$

$$= 0,94$$

Item Soal No 5

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	0	17	0	289	0
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	1	14	1	196	14
9	Herzandi	0	14	0	196	0
10	Ibnu ramzi	0	14	0	196	0
11	Julia astina	1	13	1	169	13
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	1	12	1	144	12
14	Levi darmila	1	12	1	144	12
15	Merzan	0	12	0	144	0
16	Meliyana	0	12	0	144	0
17	Naya carera	1	11	1	121	11
18	Nely audina	0	11	0	121	0
19	Nurkosim	1	11	1	121	11
20	Nopran putra	0	10	0	100	0
		13	267	13	3695	177

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(177) - (13)(267)}{\sqrt{[20(13) - (13)^2][20(3695) - 267^2]}}$$

$$= \frac{3540 - 3471}{\sqrt{[260 - (169)]73900[-71289]}}$$

$$= \frac{69}{\sqrt{237601}}$$

$$= \frac{69}{487,44}$$

$$= 0,14$$

Item Soal No 6

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	0	14	0	196	0
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	0	14	0	196	0
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	0	13	0	169	0
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	1	12	1	144	12
14	Levi darmila	0	12	0	144	0
15	Merzan	1	12	1	144	12
16	Meliyana	1	12	1	144	12
17	Naya carera	0	11	0	121	0
18	Nely audina	1	11	1	121	11
19	Nurkosim	1	11	1	121	11
20	Nopran putra	0	10	0	100	0
		14	267	14	3695	193

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(193) - (14) \cdot (267)}{\sqrt{[20 \cdot 14 - (14)^2][20 \cdot 3695 - 267^2]}}$$

$$= \frac{3860 - 3738}{\sqrt{[280 - (196)]73900[-71289]}}$$

$$= \frac{122}{\sqrt{219324}}$$

$$= \frac{122}{468,32}$$

$$= 0,26$$

Item Soal No 7

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	0	14	0	196	0
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	0	14	0	196	0
11	Julia astina	0	13	0	169	0
12	Lismawati	0	13	0	169	0
13	Juli aguswanto	1	12	1	144	12
14	Levi darmila	0	12	0	144	0
15	Merzan	0	12	0	144	0
16	Meliyana	1	12	1	144	12
17	Naya carera	0	11	0	121	0
18	Nely audina	1	11	1	121	11
19	Nurkosim	0	11	0	121	0
20	Nopran putra	0	10	0	100	0
		11	267	11	3695	148

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(148) - (11)(267)}{\sqrt{[20(11) - (11)^2][20(3695) - (267)^2]}}$$

$$= \frac{3140 - 2937}{\sqrt{[220 - (121)]73900[-71289]}}$$

$$= \frac{203}{\sqrt{258489}}$$

$$= \frac{203}{508,41}$$

$$= 0,39$$

Item Soal No 8

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	0	15	0	225	0
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	1	14	1	196	14
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	0	14	0	196	0
11	Julia astina	1	13	1	169	13
12	Lismawati	0	13	0	169	0
13	Juli aguswanto	1	12	1	144	12
14	Levi darmila	1	12	1	144	12
15	Merzan	0	12	0	144	0
16	Meliyana	1	12	1	144	12
17	Naya carera	1	11	1	121	11
18	Nely audina	0	11	0	121	0
19	Nurkosim	0	11	0	121	11
20	Nopran putra	0	10	0	100	0
		14	267	14	3695	193

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(193) - (14)(267)}{\sqrt{[20(14) - (14)^2][20(3695) - 267^2]}}$$

$$= \frac{3860 - 3738}{\sqrt{[280 - (196)]73900[-71289]}}$$

$$= \frac{122}{\sqrt{219324}}$$

$$= \frac{122}{468,32}$$

$$= 0,26$$

Item Soal No 9

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	0	14	0	196	0
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	0	14	0	196	0
11	Julia astina	0	13	0	169	0
12	Lismawati	0	13	0	169	0
13	Juli aguswanto	1	12	1	144	12
14	Levi darmila	1	12	1	144	12
15	Merzan	1	12	1	144	12
16	Meliyana	0	12	0	144	0
17	Naya carera	0	11	0	121	0
18	Nely audina	0	11	0	121	0
19	Nurkosim	1	11	1	121	11
20	Nopran putra	0	10	0	100	0
		12	267	12	3695	169

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(169) - (12) \cdot (267)}{\sqrt{[20 \cdot 12 - (12)^2][20 \cdot 3695 - 267^2]}}$$

$$= \frac{3380 - 3204}{\sqrt{[240 - (144)]73900 - 71289}}$$

$$= \frac{176}{\sqrt{250656}}$$

$$= \frac{176}{500,65}$$

$$= 0,35$$

Item Soal No 10

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	0	17	0	289	0
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	1	14	1	196	14
9	Herzandi	0	14	0	196	0
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	1	13	1	169	13
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	0	12	0	144	0
14	Levi darmila	1	12	1	144	12
15	Merzan	0	12	0	144	0
16	Meliyana	0	12	0	144	0
17	Naya carera	0	11	0	121	0
18	Nely audina	0	11	0	121	0
19	Nurkosim	0	11	1	121	0
20	Nopran putra	0	10	0	100	0
		11	267	11	3695	157

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(157) - (11)(267)}{\sqrt{[20(10) - (10)^2][20(3695) - 267^2]}}$$

$$= \frac{2880 - 2670}{\sqrt{[220 - (121)]73900[-71289]}}$$

$$= \frac{203}{\sqrt{258489}}$$

$$= \frac{203}{508.41}$$

$$= 0,39$$

Item Soal No 11

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	0	17	0	289	0
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	0	14	0	196	0
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	1	13	1	169	13
12	Lismawati	0	13	0	169	0
13	Juli aguswanto	1	12	1	144	12
14	Levi darmila	0	12	0	144	0
15	Merzan	0	12	0	144	0
16	Meliyana	0	12	0	144	0
17	Naya carera	0	11	0	121	0
18	Nely audina	0	11	0	121	0
19	Nurkosim	0	0	0	121	0
20	Nopran adi putra	1	10	1	100	10
		11	267	11	3695	151

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(151) - (11)(267)}{\sqrt{[20(11) - (11)^2][20(3695) - (267)^2]}}$$

$$= \frac{3020 - 2937}{\sqrt{[220 - (121)]73900 - 71289}}$$

$$= \frac{143}{\sqrt{258489}}$$

$$= \frac{143}{508,41}$$

$$= 0,28$$

Item Soal No 12

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	0	16	0	256	0
4	Candra kirana	0	15	0	225	0
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	1	14	1	196	14
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	1	13	1	169	13
12	Lismawati	0	13	0	169	0
13	Juli aguswanto	0	12	0	144	0
14	Levi darmila	0	12	0	144	0
15	Merzan	1	12	1	144	12
16	Meliyana	1	12	1	144	12
17	Naya carera	0	11	0	121	0
18	Nely audina	1	11	1	121	11
19	Nurkosim	1	11	1	121	11
20	Nopran putra	1	10	1	100	10
		14	267	14	3695	188

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(188) - (14)(267)}{\sqrt{[20(14) - (14)^2][20(3695) - (267)^2]}}$$

$$= \frac{3760 - 3738}{\sqrt{[280 - (196)][73900 - 71289]}}$$

$$= \frac{353}{\sqrt{219324}}$$

$$= \frac{353}{468,32}$$

$$= 0,75$$

Item Soal No 13

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	0	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	0	14	1	196	14
7	Eka yulianti	0	14	0	196	0
8	Handi ramdan	1	14	1	196	14
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	1	13	1	169	13
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	0	12	0	144	0
14	Levi darmila	1	12	1	144	12
15	Merzan	1	12	1	144	12
16	Meliyana	1	12	1	144	12
17	Naya carera	0	11	0	121	0
18	Nely audina	1	11	1	121	11
19	Nurkosim	1	11	1	121	11
20	Nopran putra	1	10	1	121	10
		16	267	16	3695	230

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(230) - (16)(267)}{\sqrt{[20(16) - (16)^2][20(3695) - (267)^2]}}$$

$$= \frac{4600 - 4272}{\sqrt{[320 - (256)][73900 - 71289]}}$$

$$= \frac{328}{\sqrt{167104}}$$

$$= \frac{328}{408,78}$$

$$= 0,80$$

Item Soal No 14

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	0	17	0	289	0
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	0	15	0	225	0
6	Desi pitriana	0	14	0	196	0
7	Eka yulianti	0	14	0	196	0
8	Handi ramdan	1	14	1	196	14
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	0	13	0	169	0
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	0	12	0	144	0
14	Levi darmila	1	12	1	144	12
15	Merzan	1	12	1	144	12
16	Meliyana	1	12	1	144	12
17	Naya carera	1	11	1	121	11
18	Nely audina	0	11	0	121	0
19	Nurkosim	1	11	1	121	11
20	Nopran putra	0	10	0	121	0
		12	267	12	3695	171

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(171) - (12)(267)}{\sqrt{[20(12) - (12)^2][20(3695) - 267^2]}}$$

$$= \frac{3420 - 3204}{\sqrt{[240 - (144)][73900 - 71289]}}$$

$$= \frac{216}{\sqrt{250656}}$$

$$= \frac{216}{500,69}$$

$$= 0,43$$

Item Soal No 15

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	0	15	0	225	0
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	1	14	1	196	14
9	Herzandi	0	14	0	196	0
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	0	13	0	169	0
12	Lismawati	0	13	0	169	0
13	Juli aguswanto	1	12	1	144	12
14	Levi darmila	1	12	1	144	12
15	Merzan	1	12	1	144	12
16	Meliyana	1	12	1	144	12
17	Naya carera	1	11	1	121	11
18	Nely audina	1	11	1	121	11
19	Nurkosim	1	11	1	121	11
20	Nopran putra	1	10	1	100	10
		16	267	16	3695	215

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(215) - (16)(267)}{\sqrt{[20(16) - (16)^2][20(3695) - (267)^2]}}$$

$$= \frac{4300 - 4272}{\sqrt{[320 - (256)][73900 - 71289]}}$$

$$= \frac{28}{\sqrt{167104}}$$

$$= \frac{28}{408,78}$$

$$= 0,06$$

Item Soal No 16

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	0	14	0	196	0
8	Handi ramdan	0	14	0	196	0
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	0	13	0	169	0
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	0	12	0	144	0
14	Levi darmila	1	12	1	144	12
15	Merzan	1	12	1	144	12
16	Meliyana	1	12	1	144	12
17	Naya carera	1	11	1	121	11
18	Nely audina	0	11	1	121	11
19	Nurkosim	1	11	1	121	11
20	Nopran putra	1	10	1	121	10
		15	267	15	3695	208

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(208) - (15)(267)}{\sqrt{[20(15^2) - (15)^2][20(3695) - 267^2]}}$$

$$= \frac{4160 - 4005}{\sqrt{[300 - (225)][73900 - 712389]}}$$

$$= \frac{155}{\sqrt{195825}}$$

$$= \frac{155}{442,52}$$

$$= 0,35$$

Item Soal No 17

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	0	15	0	225	0
5	Desi anggraini	0	15	0	225	0
6	Desi pitriana	0	14	0	196	0
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	0	14	0	196	0
9	Herzandi	0	14	0	196	0
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	1	13	1	169	0
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	0	12	0	144	0
14	Levi darmila	0	12	0	144	0
15	Merzan	0	12	0	144	0
16	Meliyana	0	12	0	144	0
17	Naya carera	1	11	1	121	11
18	Nely audina	1	11	1	121	11
19	Nurkosim	0	11	0	121	0
20	Nopran putra	1	10	1	100	10
		10	267	10	3695	158

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(158) - 10.(267)}{\sqrt{[20.10 - (10)^2][20.3695 - 267^2]}}$$

$$= \frac{3160 - 3957}{\sqrt{[200 - (100)][73900 - 712389]}}$$

$$= \frac{523}{\sqrt{261100}}$$

$$= \frac{523}{510,97}$$

$$= 1,02$$

Item Soal No 18

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	0	15	0	225	0
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	0	14	0	196	0
7	Eka yulianti	1	14	1	196	14
8	Handi ramdan	1	14	1	196	14
9	Herzandi	0	14	0	196	0
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	1	13	1	169	13
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	0	12	0	144	0
14	Levi darmila	1	12	1	144	12
15	Merzan	1	12	1	144	12
16	Meliyana	0	12	0	144	0
17	Naya carera	1	11	1	121	11
18	Nely audina	0	11	0	121	0
19	Nurkosim	0	11	0	121	0
20	Nopran putra	1	10	1	100	10
		13	269	13	3695	193

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(193) - (13)(267)}{\sqrt{[20(13) - (13)^2][20(3695) - 267^2]}}$$

$$= \frac{3860 - 3471}{\sqrt{[260 - (169)][73900 - 71289]}}$$

$$= \frac{389}{\sqrt{237601}}$$

$$= \frac{389}{487,44}$$

$$= 0,79$$

Item Soal No 19

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	0	16	0	256	0
4	Candra kirana	1	15	1	225	15
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	0	14	0	196	0
7	Eka yulianti	0	14	0	196	0
8	Handi ramdan	0	14	0	196	0
9	Herzandi	0	14	0	196	0
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	0	13	0	169	0
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	0	12	0	144	0
14	Levi darmila	0	12	0	144	0
15	Merzan	1	12	1	144	12
16	Meliyana	0	12	0	144	0
17	Naya carera	1	11	1	121	11
18	Nely audina	1	11	1	121	11
19	Nurkosim	1	11	1	121	11
20	Nopran putra	0	10	0	100	0
		10	267	10	3695	136

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(136) - (10).(267)}{\sqrt{[20.10 - (10)^2][20.3695 - 267^2]}}$$

$$= \frac{2720 - 2670}{\sqrt{[200 - (100)][73900 - 71289]}}$$

$$= \frac{50}{\sqrt{261100}}$$

$$= \frac{50}{510,97}$$

$$= 0,09$$

Item Soal No 20

No	Nama	X	Y	X ²	Y ²	XY
1	Ahmad teguh	1	17	1	289	17
2	Astria sunata	1	17	1	289	17
3	Deri pakustan	1	16	1	256	16
4	Candra kirana	0	15	1	225	0
5	Desi anggraini	1	15	1	225	15
6	Desi pitriana	1	14	1	196	14
7	Eka yulianti	0	14	0	196	0
8	Handi ramdan	0	14	0	196	0
9	Herzandi	1	14	1	196	14
10	Ibnu ramzi	1	14	1	196	14
11	Julia astina	1	13	1	169	13
12	Lismawati	1	13	1	169	13
13	Juli aguswanto	0	12	0	144	0
14	Levi darmila	0	12	0	144	0
15	Merzan	1	12	1	144	12
16	Meliyana	1	12	1	144	12
17	Naya carera	0	11	0	121	11
18	Nely audina	1	11	1	121	11
19	Nurkosim	0	11	0	121	0
20	Nopran putra	1	10	1	100	10
		12	267	12	3695	165

$$r_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$= \frac{20(165) - (12)(269)}{\sqrt{[20(12^2) - (12)^2][20(3695) - (269)^2]}}$$

$$= \frac{4140 - 4035}{\sqrt{[240 - (144)][73700 - 72361]}}$$

$$= \frac{96}{\sqrt{250656}}$$

$$= \frac{96}{500,69}$$

$$= 0,19$$