

Lampiran 1 :

PERHITUNGAN VALIDITAS SOAL UJI COBA

NO	NAMA	SKOR TIAP BUTIR SOAL (X)												Skor Total (Y)	Nilai
		1	2	3	4	5	6	7	8	9	10	11	12		
1	A	1	1	1	1	1	0	0	1	1	1	0	1	9	75,0
2	B	1	1	1	1	1	0	1	1	1	1	1	1	11	91,7
3	C	1	1	1	1	1	0	1	1	0	1	1	1	10	83,3
4	D	0	1	1	1	0	1	0	0	1	0	0	0	5	41,7
5	E	1	1	1	1	1	0	1	1	0	1	1	1	10	83,3
6	F	1	0	0	0	0	0	1	1	0	0	1	0	4	33,3
7	G	1	1	1	1	0	0	1	1	1	1	1	1	10	83,3
8	H	0	1	0	0	0	0	1	0	0	0	0	0	2	16,7
9	I	1	1	1	1	1	0	1	1	1	1	1	1	11	91,7
10	J	1	0	1	0	0	1	0	0	0	0	0	0	3	25,0
11	K	0	0	0	0	1	1	0	0	0	1	0	0	3	25,0
12	L	1	1	1	1	1	0	1	1	0	1	1	1	10	83,3
13	M	0	0	1	1	0	1	0	0	0	1	0	0	4	33,3
14	N	1	1	0	1	0	0	0	0	0	0	1	0	4	33,3
15	O	0	1	0	0	0	0	0	1	1	0	0	1	4	33,3
16	P	0	0	0	0	1	0	0	1	1	0	0	0	3	25,0
17	Q	1	0	0	0	1	0	0	0	0	1	0	0	3	25,0
18	R	0	1	0	0	0	0	1	1	0	0	0	1	4	33,3
19	S	1	1	1	1	1	0	1	0	1	0	1	0	8	66,7
20	T	0	1	1	0	1	0	1	1	0	1	1	1	8	66,7
21	U	1	1	1	0	1	0	1	1	0	1	1	1	9	75,0
22	V	1	1	0	0	1	0	1	1	1	1	1	0	8	66,7
23	W	1	1	0	1	1	0	1	1	0	1	1	0	8	66,7
24	X	1	0	1	1	1	0	0	1	1	1	1	0	8	66,7
25	Y	0	0	1	0	0	1	0	0	0	1	0	0	3	25,0
26	Z	0	1	0	0	1	0	1	0	0	1	0	1	5	41,7
27	AA	0	0	0	0	0	0	0	0	0	0	1	0	1	8,3
28	AB	0	0	0	0	0	0	0	0	1	0	0	0	1	8,3
	Jml	16	18	15	13	16	5	15	16	11	17	15	12	169	1408,3
	Rata2	0,571	0,643	0,536	0,464	0,571	0,179	0,536	0,571	0,393	0,607	0,536	0,429	6,04	50,3

$$r_{xy} = \frac{n \sum x_i y_i - (\sum x_i)(\sum y_i)}{\sqrt{(n \sum x_i^2 - (\sum x_i)^2)(n \sum y_i^2 - (\sum y_i)^2)}}$$

Contoh butir soal nomor 1 :

$$r_{xy} = \frac{(28.126) - (16.169)}{\sqrt{(28.16 - 256)(28.1305 - 28561)}} = \frac{824}{1238} = 0.666$$

Keterangan : *Jika Rxy > R tabel maka Valid*

Nomor Butir	1	2	3	4	5	6	7	8	9	10	11	12
Rxy	0,666	0,639	0,639	0,663	0,620	-0,356	0,617	0,688	0,266	0,628	0,661	0,646
Rtabel (5%)	0,306	0,306	0,306	0,306	0,306	0,306	0,306	0,306	0,306	0,306	0,306	0,306
Valid/Tidak	Valid	Valid	Valid	Valid	Valid	Tidak	Valid	Valid	Tidak	Valid	Valid	Valid
Interpelasi	Tinggi	Tinggi	Tinggi	Tinggi	Tinggi	Sgt Rendah	Tinggi	Tinggi	Rendah	Tinggi	Tinggi	Tinggi

NO	NAMA	Hasil kali skor tiap butir dengan skor total (Xi.Y)											
		X ₁ . Y	X ₂ . Y	X ₃ . Y	X ₄ . Y	X ₅ . Y	X ₆ . Y	X ₇ . Y	X ₈ . Y	X ₉ . Y	X ₁₀ . Y	X ₁₁ . Y	X ₁₂ . Y
1	A	9	9	9	9	9	0	0	9	9	9	0	9
2	B	11	11	11	11	11	0	11	11	11	11	11	11
3	C	10	10	10	10	10	0	10	10	0	10	10	10
4	D	0	5	5	5	0	5	0	0	5	0	0	0
5	E	10	10	10	10	10	0	10	10	0	10	10	10
6	F	4	0	0	0	0	0	4	4	0	0	4	0
7	G	10	10	10	10	0	0	10	10	10	10	10	10
8	H	0	2	0	0	0	0	2	0	0	0	0	0
9	I	11	11	11	11	11	0	11	11	11	11	11	11
10	J	3	0	3	0	0	3	0	0	0	0	0	0
11	K	0	0	0	0	3	3	0	0	0	3	0	0
12	L	10	10	10	10	10	0	10	10	0	10	10	10
13	M	0	0	4	4	0	4	0	0	0	4	0	0
14	N	4	4	0	4	0	0	0	0	0	0	4	0
15	O	0	4	0	0	0	0	0	4	4	0	0	4
16	P	0	0	0	0	3	0	0	3	3	0	0	0
17	Q	3	0	0	0	3	0	0	0	0	3	0	0
18	R	0	4	0	0	0	0	4	4	0	0	0	4
19	S	8	8	8	8	8	0	8	0	8	0	8	0
20	T	0	8	8	0	8	0	8	8	0	8	8	8
21	U	9	9	9	0	9	0	9	9	0	9	9	9
22	V	8	8	0	0	8	0	8	8	8	8	8	0
23	W	8	8	0	8	8	0	8	8	0	8	8	0
24	X	8	0	8	8	8	0	0	8	8	8	8	0
25	Y	0	0	3	0	0	3	0	0	0	3	0	0
26	Z	0	5	0	0	5	0	5	0	0	5	0	5
27	AA	0	0	0	0	0	0	0	0	0	0	1	0
28	AB	0	0	0	0	0	0	0	0	1	0	0	0
	Jml	126	136	119	108	124	18	118	127	78	130	120	101

NO	NAMA	Kuadrat skor tiap butir soal (X_i^2)											Y^2	
		X_1^2	X_2^2	X_3^2	X_4^2	X_5^2	X_6^2	X_7^2	X_8^2	X_9^2	X_{10}^2	X_{11}^2		X_{12}^2
1	A	1	1	1	1	1	0	0	1	1	1	0	1	81
2	B	1	1	1	1	1	0	1	1	1	1	1	1	121
3	C	1	1	1	1	1	0	1	1	0	1	1	1	100
4	D	0	1	1	1	0	1	0	0	1	0	0	0	25
5	E	1	1	1	1	1	0	1	1	0	1	1	1	100
6	F	1	0	0	0	0	0	1	1	0	0	1	0	16
7	G	1	1	1	1	0	0	1	1	1	1	1	1	100
8	H	0	1	0	0	0	0	1	0	0	0	0	0	4
9	I	1	1	1	1	1	0	1	1	1	1	1	1	121
10	J	1	0	1	0	0	1	0	0	0	0	0	0	9
11	K	0	0	0	0	1	1	0	0	0	1	0	0	9
12	L	1	1	1	1	1	0	1	1	0	1	1	1	100
13	M	0	0	1	1	0	1	0	0	0	1	0	0	16
14	N	1	1	0	1	0	0	0	0	0	0	1	0	16
15	O	0	1	0	0	0	0	0	1	1	0	0	1	16
16	P	0	0	0	0	1	0	0	1	1	0	0	0	9
17	Q	1	0	0	0	1	0	0	0	0	1	0	0	9
18	R	0	1	0	0	0	0	1	1	0	0	0	1	16
19	S	1	1	1	1	1	0	1	0	1	0	1	0	64
20	T	0	1	1	0	1	0	1	1	0	1	1	1	64
21	U	1	1	1	0	1	0	1	1	0	1	1	1	81
22	V	1	1	0	0	1	0	1	1	1	1	1	0	64
23	W	1	1	0	1	1	0	1	1	0	1	1	0	64
24	X	1	0	1	1	1	0	0	1	1	1	1	0	64
25	Y	0	0	1	0	0	1	0	0	0	1	0	0	9
26	Z	0	1	0	0	1	0	1	0	0	1	0	1	25
27	AA	0	0	0	0	0	0	0	0	0	0	1	0	1
28	AB	0	0	0	0	0	0	0	0	1	0	0	0	1
	Jml	16	18	15	13	16	5	15	16	11	17	15	12	1305