

Uji Validitas Soal Siklus III

No.	Mp	Mt	St	p	q	r hitung	r tabel	Keterangan
1	32.524	28.457	8.675	0.600	0.400	0.583	0.334	V
2	32.300	28.457	8.675	0.571	0.429	0.519	0.334	V
3	30.423	28.457	8.675	0.743	0.257	0.391	0.334	V
4	31.571	28.457	8.675	0.600	0.400	0.446	0.334	V
5	31.409	28.457	8.675	0.629	0.371	0.449	0.334	V
6	30.560	28.457	8.675	0.714	0.286	0.389	0.334	V
7	30.185	28.457	8.675	0.771	0.229	0.371	0.334	V
8	30.481	28.457	8.675	0.771	0.229	0.435	0.334	V
9	30.143	28.457	8.675	0.800	0.200	0.394	0.334	V
10	30.840	28.457	8.675	0.714	0.286	0.441	0.334	V
11	29.900	28.457	8.675	0.857	0.143	0.413	0.334	V
12	30.286	28.457	8.675	0.800	0.200	0.428	0.334	V
13	30.607	28.457	8.675	0.800	0.200	0.503	0.334	V
14	27.370	28.457	8.675	0.771	0.229	-0.234	0.334	TD
15	30.741	28.457	8.675	0.771	0.229	0.491	0.334	V
16	31.619	28.457	8.675	0.600	0.400	0.453	0.334	V
17	30.929	28.457	8.675	0.800	0.200	0.578	0.334	V
18	30.875	28.457	8.675	0.686	0.314	0.418	0.334	V
19	30.036	28.457	8.675	0.800	0.200	0.369	0.334	V
20	30.897	28.457	8.675	0.829	0.171	0.627	0.334	V

Keterangan:

V : Valid

TD : Tidak Valid

Tingkat Kesukaran Soal Siklus III

No.	B	JS	P	Keterangan
1	21	35	0.600	Sedang
2	20	35	0.571	Sedang
3	26	35	0.743	Mudah
4	21	35	0.600	Sedang
5	22	35	0.629	Sedang
6	25	35	0.714	Mudah
7	27	35	0.771	Mudah
8	27	35	0.771	Mudah
9	28	35	0.800	Mudah
10	25	35	0.714	Mudah
11	30	35	0.857	Mudah
12	28	35	0.800	Mudah
13	28	35	0.800	Mudah
14	27	35	0.771	Mudah
15	27	35	0.771	Mudah
16	21	35	0.600	Sedang
17	28	35	0.800	Mudah
18	24	35	0.686	Sedang
19	28	35	0.800	Mudah
20	29	35	0.829	Mudah

Soal dengan $P\ 0,00 - 0,30 =$ Sukar
Soal dengan $P\ 0,30 - 0,70 =$ Sedang
Soal dengan $P\ 0,70 - 1,00 =$ mudah
Suharsimi Arikunto, (2007: 210)

Uji Reliabilitas Soal Siklus II

Rumus K-R. 21:

$$r_{11} = \left(\frac{n}{n-1} \right) \left(1 - \frac{Mt(n-Mt)}{nS_t^2} \right)$$

$$r_{11} = \left(\frac{20}{20-1} \right) \left(1 - \frac{12,19(20-12,19)}{20 \times 148,596} \right)$$

$$= \left(\frac{20}{19} \right) \left(1 - \frac{12,19(7,81)}{2971,92} \right)$$

$$= (1.052) \left(1 - \frac{95,204}{2971,92} \right)$$

$$= (1.052)(1 - 0.082)$$

$$= (1.052)(0.918)$$

$$= 0.965 (\text{Reliabilitasnya Sangat Tinggi})$$

No	Nomor Butir Soal																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
3	1	1	1	1	1	1	0	0	0	1	0	1	0	0	1	0	1	0	1	0
4	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1
6	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1
9	1	1	1	1	1	0	1	1	1	1	0	0	1	1	1	0	1	1	1	0
10	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
11	1	1	1	1	0	0	1	1	1	1	0	0	1	1	1	1	1	0	1	1
12	1	1	1	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
13	0	1	1	1	0	1	1	1	0	1	0	1	0	1	1	1	0	1	1	0
14	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0
16	1	1	1	1	0	0	1	0	1	1	1	0	1	0	0	0	1	0	0	1
17	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
18	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
19	1	1	1	1	1	0	1	0	0	1	0	1	0	1	0	0	1	0	1	1
20	1	1	1	1	1	0	0	1	0	1	1	0	0	0	1	0	1	0	1	0
21	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0
22	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	0	0	1	0	1	0	0	0	0	1	0	0	0	1	0
24	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0
25	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1
26	0	1	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	1	1

27	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	
28	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	
29	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	
31	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	
32	1	1	1	1	1	0	1	1	1	1	0	0	1	1	1	0	1	1	1	
33	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	
34	1	1	1	1	0	0	1	1	1	1	0	0	1	1	1	1	1	0	1	
35	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	0	1	0	0	
Σ	28	31	26	29	26	21	27	26	18	30	18	21	19	24	27	19	26	20	25	23
r hitung	0.583	0.519	0.391	0.446	0.449	0.389	0.371	0.435	0.394	0.441	0.413	0.428	0.503	-0.234	0.491	0.453	0.578	0.418	0.369	0.627
r tabel	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334
Ket	V	V	V	V	V	V	V	V	V	V	V	V	V	TD	V	V	V	V	V	V