

### Uji Validitas Soal Siklus II

No.	Mp	Mt	St	p	q	r hitung	r tabel	Keterangan
1	29.625	27.229	8.721	0.686	0.314	0.412	0.334	V
2	28.967	27.229	8.721	0.857	0.143	0.495	0.334	V
3	30.259	27.229	8.721	0.771	0.229	0.648	0.334	V
4	28.793	27.229	8.721	0.829	0.171	0.400	0.334	V
5	29.731	27.229	8.721	0.743	0.257	0.495	0.334	V
6	31.952	27.229	8.721	0.600	0.400	0.673	0.334	V
7	30.321	27.229	8.721	0.800	0.200	0.720	0.334	V
8	29.962	27.229	8.721	0.743	0.257	0.540	0.334	V
9	31.222	27.229	8.721	0.514	0.486	0.478	0.334	V
10	29.733	27.229	8.721	0.857	0.143	0.714	0.334	V
11	31.778	27.229	8.721	0.514	0.486	0.545	0.334	V
12	30.000	27.229	8.721	0.629	0.371	0.419	0.334	V
13	31.600	27.229	8.721	0.571	0.429	0.587	0.334	V
14	30.600	27.229	8.721	0.714	0.286	0.620	0.334	V
15	29.370	27.229	8.721	0.771	0.229	0.458	0.334	V
16	32.200	27.229	8.721	0.571	0.429	0.668	0.334	V
17	30.360	27.229	8.721	0.714	0.286	0.576	0.334	V
18	32.550	27.229	8.721	0.571	0.429	0.715	0.334	V
19	30.545	27.229	8.721	0.629	0.371	0.502	0.334	V
20	31.182	27.229	8.721	0.629	0.371	0.598	0.334	V

#### Keterangan:

**V** : Valid

**TD** : Tidak Valid

### Tingkat Kesukaran Soal Siklus II

No.	B	JS	P	Keterangan
1	24	35	0.686	Sedang
2	30	35	0.857	Mudah
3	27	35	0.771	Mudah
4	29	35	0.829	Mudah
5	26	35	0.743	Mudah
6	21	35	0.600	Sedang
7	28	35	0.800	Mudah
8	26	35	0.743	Mudah
9	18	35	0.514	Sedang
10	30	35	0.857	Mudah
11	18	35	0.514	Sedang
12	22	35	0.629	Sedang
13	20	35	0.571	Sedang
14	25	35	0.714	Mudah
15	27	35	0.771	Mudah
16	20	35	0.571	Sedang
17	25	35	0.714	Mudah
18	20	35	0.571	Sedang
19	22	35	0.629	Sedang
20	22	35	0.629	Sedang

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)

### Daya Beda Soal Siklus II

No.	BA	JA	BB	JB	D	Keterangan
1	9	11	6	11	0.273	Cukup
2	10	11	7	11	0.273	Cukup
3	11	11	5	11	0.545	Baik
4	10	11	7	11	0.273	Cukup
5	11	11	6	11	0.455	Baik
6	10	11	2	11	0.727	Baik Sekali
7	11	11	4	11	0.636	Baik
8	11	11	5	11	0.545	Baik
9	7	11	1	11	0.545	Baik
10	11	11	7	11	0.364	Cukup
11	9	11	2	11	0.636	Baik
12	9	11	4	11	0.455	Baik
13	9	11	1	11	0.727	Baik Sekali
14	11	11	3	11	0.727	Baik Sekali
15	11	11	6	11	0.455	Baik
16	10	11	1	11	0.818	Baik Sekali
17	11	11	4	11	0.636	Baik
18	11	11	1	11	0.909	Baik Sekali
19	11	11	4	11	0.636	Baik
20	10	11	3	11	0.636	Baik

Klasifikasi Daya Pembeda:

D: 0.00 – 0,20 = Jelek

D: 0.20 – 0.40 = Cukup

D: 0.40 – 0.70 = Baik

D: 0.70 – 1.00 = Baik Sekali

Suharsimi Arikunto, (2007: 218)

## Uji Reliabilitas Soal Siklus II

**Rumus K-R. 21:**

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

$$r_{11} = \left( \frac{20}{20-1} \right) \left( 1 - \frac{17,100(20-17,100)}{20 \times 292,41} \right)$$

$$= \left( \frac{20}{19} \right) \left( 1 - \frac{17,100(2,9)}{5848,2} \right)$$

$$= (1.052) \left( 1 - \frac{49,59}{5848,2} \right)$$

$$= (1.052)(1 - 0.081)$$

$$= (1.052)(0.919)$$

$$= 0.966(\text{Reliabilitasnya Sangat Tinggi})$$

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	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	1
2	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	0	1	1	1
3	0	0	0	0	0	1	0	1	0	0	1	0	1	0	1	1	1	0	1	0
4	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1
6	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	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	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
9	1	0	1	1	1	1	0	0	1	1	1	0	1	1	1	1	0	1	1	0
10	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1
11	1	0	1	0	1	0	1	0	0	1	1	1	0	0	0	0	0	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

[illegible]