

Lampiran 5 Uji Persyaratan Instrumen

Tabulasi Hasil Uji Tingkat Kesukaran

No Resp	Item soal																				jml
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	1	0	0	0	1	10
2	1	1	1	0	1	1	1	1	1	0	0	1	1	0	1	0	1	0	1	0	13
3	0	1	1	0	1	1	0	1	0	0	1	1	0	1	1	0	1	0	1	1	12
4	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	0	0	1	1	1	15
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	19
6	1	1	0	0	1	0	1	1	1	0	1	1	1	0	1	1	0	0	1	1	13
7	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	17
8	0	0	1	0	0	1	1	0	1	1	0	1	0	1	1	1	0	0	1	1	11
9	1	0	1	0	1	0	0	1	0	0	1	1	0	0	1	1	1	0	1	0	10
10	0	0	0	0	1	1	1	0	1	1	1	1	1	1	0	1	0	0	1	0	11
11	1	1	1	1	1	0	0	1	1	0	1	0	0	1	0	1	1	1	0	0	12
12	1	1	1	1	1	0	1	1	1	1	0	1	1	0	1	1	1	1	1	0	16
13	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	1	1	1	1	17
14	0	1	1	0	1	0	1	1	1	1	1	1	0	1	1	1	0	0	1	0	13
15	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	1	0	1	16
16	1	1	1	1	1	0	1	0	1	0	0	1	0	1	0	1	1	1	1	0	13
17	0	1	1	0	1	1	0	1	1	1	1	1	0	1	0	0	1	0	1	1	13
18	1	0	1	0	1	1	0	1	0	0	0	1	0	0	1	1	0	0	1	1	10
19	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	19
20	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	18
21	0	1	1	0	1	1	0	0	1	1	1	1	0	1	1	0	1	0	1	1	13

22	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	18	
23	1	1	1	1	1	1	1	1	0	0	1	0	1	0	1	0	1	1	0	0	13
24	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	0	12
25	1	1	1	0	0	1	1	1	1	0	1	0	1	1	1	0	0	0	0	0	11
26	1	1	1	1	1	1	1	0	1	0	1	0	1	0	1	0	1	1	0	0	13
27	0	1	1	0	1	1	0	1	1	1	1	1	0	1	1	0	1	0	1	1	14
28	1	0	1	1	0	1	1	0	1	0	1	0	1	1	0	1	1	1	0	0	12
29	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	0	1	0	0	12
30	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	0	1	1	1	0	16
31	1	1	1	1	1	1	1	1	1	0	1	0	1	0	1	0	0	1	0	0	13
32	1	1	1	1	0	1	0	1	0	1	1	0	1	1	0	1	0	1	0	1	13
33	0	0	1	0	0	1	0	1	1	1	1	1	0	1	0	1	1	0	1	1	12
34	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1	0	1	16
35	0	0	0	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	14
jml	25	26	30	20	27	27	23	27	27	21	28	22	21	25	25	23	21	20	22	20	
P	0,71	0,74	0,86	0,57	0,77	0,77	0,66	0,77	0,77	0,60	0,80	0,63	0,60	0,71	0,71	0,66	0,60	0,57	0,63	0,57	

Tabulasi Hasil Uji Daya Pembeda Soal

Res	Item soal																				jml
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	1	0	1	1	1	10
2	1	1	1	0	1	1	1	1	1	0	0	1	1	0	1	0	1	1	1	0	12
3	0	1	1	0	1	1	0	1	0	0	1	1	0	1	1	0	1	1	1	1	11
4	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	0	0	1	1	1	13
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	17
6	1	1	0	0	1	0	1	1	1	0	1	1	1	0	1	1	0	0	1	1	12
7	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	1	0	1	15
8	0	0	1	0	0	1	1	0	1	1	0	1	0	1	1	1	0	1	0	1	10
9	1	0	1	0	1	0	0	1	0	0	1	1	0	0	1	1	1	1	1	0	9
10	0	0	0	0	1	1	1	0	1	1	1	1	1	1	0	1	0	0	1	0	10
11	1	1	1	1	1	0	0	1	1	0	1	0	0	1	0	1	1	1	1	0	11
12	1	1	1	1	1	0	1	1	1	1	0	1	1	0	1	1	1	1	1	0	14
13	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	1	1	1	1	15
14	0	1	1	0	1	0	1	1	1	1	1	1	0	1	1	1	0	1	1	0	12
15	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1	1	15
16	1	1	1	1	1	0	1	0	1	0	0	1	0	1	0	1	1	1	1	0	11
17	0	1	1	0	1	1	0	1	1	1	1	1	0	1	0	0	1	1	1	1	12
18	1	0	1	0	1	1	0	1	0	0	0	1	0	0	1	1	0	1	1	1	9
19	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	17
20	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	16
21	0	1	1	0	1	1	0	0	1	1	1	1	0	1	1	0	1	1	1	1	12

22	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	17	
23	1	1	1	1	1	1	1	1	0	0	1	0	1	0	1	0	1	1	1	0	12
24	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	11
25	1	1	1	0	0	1	1	1	1	0	1	0	1	1	1	0	0	1	0	0	11
26	1	1	1	1	1	1	1	0	1	0	1	0	1	0	1	0	1	1	1	0	12
27	0	1	1	0	1	1	0	1	1	1	1	1	0	1	1	0	1	1	1	1	13
28	1	0	1	1	0	1	1	0	1	0	1	0	1	1	0	1	1	1	0	0	11
29	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	0	0	1	0	11
30	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	0	1	1	1	0	14
31	1	1	1	1	1	1	1	1	1	0	1	0	1	0	1	0	0	1	1	0	12
32	1	1	1	1	0	1	0	1	0	1	1	0	1	1	0	1	0	1	0	1	12
33	0	0	1	0	0	1	0	1	1	1	1	1	0	1	0	1	1	1	0	1	11
34	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1	1	1	15
35	0	0	0	1	0	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	13
jml	25	26	30	20	27	27	23	27	27	21	28	22	21	25	25	23	21	21	21	20	
P	0,71	0,74	0,86	0,57	0,77	0,77	0,66	0,77	0,77	0,60	0,80	0,63	0,60	0,71	0,71	0,66	0,60	0,60	0,60	0,57	

Re s	Item Soal																				jml
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
36	1	1	0	1	0	1	1	0	1	0	1	1	0	1	1	0	1	1	0	1	12
37	0	0	1	0	1	1	1	0	0	1	1	1	0	1	1	0	1	1	1	1	11
38	1	0	1	0	1	0	1	0	1	0	1	1	0	1	1	0	0	1	1	0	9
39	1	0	1	0	1	1	1	1	0	0	1	0	0	0	1	1	0	0	1	0	9
40	0	0	0	1	1	1	0	0	1	1	0	0	1	1	0	0	0	1	1	0	7
41	1	1	1	0	1	1	1	0	1	1	1	0	0	1	1	0	1	1	1	1	13
42	1	1	1	1	1	1	1	1	1	0	1	0	1	0	0	0	1	0	1	1	13
43	1	1	0	1	1	0	0	0	1	0	1	0	0	0	1	0	0	1	1	0	7
44	0	1	1	0	1	1	0	1	0	1	0	0	1	0	1	0	0	0	1	0	8
46	1	1	0	1	0	1	0	0	0	0	1	0	0	1	0	1	0	1	0	0	7
45	1	0	1	0	1	1	0	1	0	0	1	0	0	0	1	1	0	1	1	1	9
48	0	1	1	0	0	1	0	0	1	1	0	1	1	1	1	0	0	0	0	0	9
50	1	0	0	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1	1	0	12
47	1	0	1	0	1	1	0	1	1	0	1	1	1	0	0	1	1	1	1	0	11
49	1	0	1	1	1	1	1	1	1	0	1	0	1	0	0	1	0	0	1	0	11
51	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	1	0	0	3
52	1	0	1	0	1	1	0	0	1	1	1	0	1	0	0	1	0	1	1	1	10
53	0	1	1	0	1	1	1	1	0	1	1	0	1	0	0	0	1	1	1	0	10
54	1	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	1	7
55	0	0	1	0	1	0	1	1	0	0	1	0	0	0	0	0	0	0	1	0	5
56	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	0	0	1	0	1	5
57	0	1	1	0	1	0	0	0	1	1	0	1	0	0	0	0	0	0	1	0	6
58	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0	0	1	1	0	0	6
59	1	1	1	0	0	1	0	1	0	1	0	0	1	1	1	0	0	0	0	1	10

60	1	1	0	1	1	1	1	0	1	0	1	0	0	0	0	0	1	1	1	1	10
61	0	1	1	0	0	0	0	1	0	1	1	0	0	0	0	1	0	0	0	1	6
62	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	1	1	6
63	0	1	0	0	0	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0	6
64	0	0	0	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	1	5
65	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	4
66	0	1	1	0	1	1	1	1	1	0	1	0	0	0	0	0	1	0	1	1	9
67	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	1	0	1	0	0	5
68	1	1	1	0	1	0	0	1	1	1	0	1	1	1	1	0	1	0	1	1	12
69	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	0	1	0	0	0	5
70	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	7
jml	16	18	19	11	21	22	12	16	21	15	22	14	15	13	14	9	15	15	15	12	7
p	0,4 6	0,51	0,5 4	0,31	0,6 0	0,6 3	0,3 4	0,4 6	0,6 0	0,43	0,6 3	0,4 0	0,4 3	0,37	0,4 0	0,26	0,4 3	0,4 3	0,4 3	0,43	
Db	0,26	0,2 3	0,31	0,2 6	0,17	0,14	0,31	0,31	0,17	0,17	0,17	0,23	0,17	0,3 4	0,31	0,4 0	0,17	0,17	0,17	0,23	

Tabulasi Hasil Uji Validitas Dan Reliabilitas

[illegible]

Hasil Uji Tingkat Kesukaran

No	B	Js	$P=B/Js$	Klasifikasi
Soal				
1	25	35	0,71	sedang
2	26	35	0,74	sedang
3	30	35	0,86	sedang
4	20	35	0,57	rendah
5	27	35	0,77	sedang
6	23	35	0,66	rendah
7	27	35	0,77	sedang
8	27	35	0,77	sedang
9	27	35	0,77	sedang
10	21	35	0,60	rendah
11	28	35	0,80	sedang
12	22	35	0,63	rendah
13	21	35	0,60	rendah
14	25	35	0,71	sedang
15	25	35	0,71	sedang
16	23	35	0,66	rendah
17	21	35	0,60	rendah
18	20	35	0,57	rendah
19	22	35	0,63	rendah
20	20	35	0,57	rendah

Hasil Uji Daya Pembeda Soal

No	Ba	Bb	Ja	Jb	Ba/Ja	Bb/Jb	D	Klasifikasi
1	25	16	35	35	0,71	0,46	0,26	cukup
2	26	14	35	35	0,74	0,40	0,34	cukup
3	30	14	35	35	0,86	0,40	0,46	baik
4	20	11	35	35	0,57	0,31	0,26	cukup
5	27	21	35	35	0,77	0,60	0,17	jelek
6	23	13	35	35	0,66	0,37	0,29	cukup
7	27	12	35	35	0,77	0,34	0,43	baik
8	27	16	35	35	0,77	0,46	0,31	cukup
9	27	17	35	35	0,77	0,49	0,29	cukup
10	21	13	35	35	0,60	0,37	0,23	cukup
11	28	22	35	35	0,80	0,63	0,17	jelek
12	22	13	35	35	0,63	0,37	0,26	cukup
13	21	11	35	35	0,60	0,31	0,29	cukup
14	25	13	35	35	0,71	0,37	0,34	cukup
15	25	13	35	35	0,71	0,37	0,34	cukup
16	23	8	35	35	0,66	0,23	0,43	baik
17	21	9	35	35	0,60	0,26	0,34	cukup
18	20	12	35	35	0,57	0,34	0,23	cukup
19	21	15	35	35	0,60	0,43	0,17	jelek
20	20	12	35	35	0,57	0,43	0,14	cukup

Hasil Uji Validitas Dan Reliabilitas

Reliability

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	20	100.0
	Excluded ^a	0	.0
	Total	20	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.922	20

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
butir1	12.80	32.589	.581	.919
butir2	12.85	31.082	.845	.913
butir3	12.75	33.039	.535	.920
butir4	13.05	30.576	.863	.912
butir5	12.80	33.642	.368	.923
butir6	12.85	32.555	.551	.919
butir7	13.05	31.524	.685	.916
butir8	12.75	32.092	.747	.916
butir9	12.85	32.976	.470	.921
butir10	13.00	31.895	.621	.918
butir11	12.95	32.682	.487	.921
butir12	12.80	32.905	.516	.920
butir13	12.90	32.937	.455	.922
butir14	12.85	34.345	.212	.927
butir15	12.80	32.484	.603	.918
butir16	12.85	32.661	.531	.920
butir17	13.00	32.000	.602	.918
butir18	12.80	32.589	.581	.919
butir19	12.95	31.313	.741	.915
butir20	12.80	31.747	.757	.915