

LAMPIRAN

Lampiran 1. *Output analisis validitas butir soal.*

Item Variabel	Measure	OUTFIT MNSQ	ZSTD	PT MEASURE CORR
Item 1	0,30	0,85	-0,37	0,59
Item 2	1,38	0,81	-0,60	0,63
Item 3	1,29	0,76	-0,84	0,63
Item 4	-0,76	0,72	-0,37	0,47
Item 5	5,10	4,92	2,09	0,61
Item 6	-1,37	0,62	-0,36	0,43
Item 7	-1,67	-0,82	-0,04	0,53
Item 8	-0,06	0,59	-1,09	0,59
Item 9	-0,76	0,90	0,01	0,43
Item 10	0,83	1,54	1,73	0,49
Item 11	0,66	1,05	0,27	0,47
Item 12	-1,11	5,49	3,65	0,26
Item 13	-2,23	0,24	-1,17	0,44
Item 14	-0,35	1,40	0,93	0,43
Item 15	-0,35	1,36	0,87	0,50
Item 16	-0,65	0,63	-0,64	0,62
Item 17	1,01	0,80	-0,68	0,62
Item 18	-1,37	0,64	-0,33	0,43
Item 19	0,39	1,17	0,60	0,47
Item 20	0,39	1,59	1,67	0,40
Item 21	1,77	1,62	1,73	0,52
Item 22	-1,11	0,66	-0,36	0,47
Item 23	-0,76	0,68	-0,46	0,48
Item 24	-0,15	0,79	-0,41	0,52
Item 25	-0,45	0,68	-0,60	0,51

Lampiran 2. *Output uji reliabilitas instrumen.*

TABLE 3.1 C:\Users\Administrator\Downloads\ANALI ZOU877WS.TXT Sep 4 2025 22: 0
 INPUT: 70 Person 25 Item REPORTED: 70 Person 25 Item 2 CATS MINISTEP 4.8.2.0

SUMMARY OF 70 MEASURED (EXTREME AND NON-EXTREME) Person								
	TOTAL SCORE	COUNT	MEASURE	MODEL S.E.	INFIT		OUTFIT	
					MNSQ	ZSTD	MNSQ	ZSTD
MEAN	16.5	25.0	1.26	.70				
SEM	.7	.0	.25	.05				
P.SD	5.7	.0	2.08	.43				
S.SD	5.8	.0	2.10	.43				
MAX.	25.0	25.0	6.23	2.01				
MIN.	3.0	25.0	-2.51	.45				
REAL RMSE	.86	TRUE SD	1.90	SEPARATION	2.20	Person RELIABILITY	.83	
MODEL RMSE	.82	TRUE SD	1.92	SEPARATION	2.34	Person RELIABILITY	.85	
S.E. OF Person MEAN = .25								

Person RAW SCORE-TO-MEASURE CORRELATION = .93

CRONBACH ALPHA (KR-20) Person RAW SCORE "TEST" RELIABILITY = .89 SEM = 1.91
 STANDARDIZED (50 ITEM) RELIABILITY = .92

TABLE 12.2 C:\Users\Administrator\Downloads\ANAL ZOU877WS.TXTn Sep 4 2025 22: 0
 INPUT: 70 Person 25 Item REPORTED: 70 Person 25 Item 2 CATS MINISTEP 4.8.2.0

MEASURE	Person	MAP	Item
	<more>	<rare>	
6	XXXXX	+	
		+	S5
5			
	XXXXX		
		+	
4	T		
		+	
	XX		
3		+	
			T
	XXX		
	S		
2	XXXXXXX	+	
	XXX		S21
	XXXX		S2
			S3
	XXX	+	
1	XXXXXXX M		S17
			S10
			S11
	XXX		
	X		S19
			S1
	XXXXX		S20
0	XXX	+	S8
			S24
	XXXX		S14
	XXXXXX		S25
	XXXX		
	S		S16
			S23
	X		S4
			S9
-1		+	
			S12
			S22
		+	
	XX		S18
			S6
			S7
-2		+	
	XX		
			S13
		+	
	X		
		+	
-3			
	<less>	<freq>	

Lampiran 4. Output analisis data tingkat kesukaran

ENTRY	TOTAL	TOTAL		MODEL	INFIT		OUTFIT		PTMEASUR-AL		EXACT	MATCH	
NUMBER	SCORE	COUNT	MEASURE	S.E.	MNSQ	ZSTD	MNSQ	ZSTD	CORR.	EXP.	OBS%	EXP%	Item
12	57	70	-1.11	.35	1.12	.67	5.49	3.65	A .26	.40	87.7	83.1	S12
5	8	70	5.10	.65	1.14	.46	4.92	2.09	B .61	.67	95.4	95.3	S5
21	27	70	1.77	.32	1.23	1.42	1.62	1.73	C .52	.62	70.8	78.1	S21
20	42	70	.39	.30	1.30	2.21	1.59	1.67	D .40	.53	66.2	74.1	S20
10	37	70	.83	.30	1.14	1.07	1.54	1.73	E .49	.57	73.8	74.1	S10
14	50	70	-.35	.31	1.07	.56	1.40	.93	F .43	.47	81.5	75.9	S14
15	50	70	-.35	.31	1.25	1.68	1.36	.87	G .36	.47	72.3	75.9	S15
19	42	70	.39	.30	1.17	1.28	1.17	.60	H .47	.53	69.2	74.1	S19
11	39	70	.66	.30	1.06	.51	1.05	.27	I .53	.55	73.8	74.0	S11
7	61	70	-1.67	.40	1.02	.16	.82	-.04	J .34	.35	87.7	87.5	S7
9	54	70	-.76	.33	1.01	.13	.90	.01	K .43	.43	78.5	79.5	S9
24	48	70	-.15	.31	.93	-.51	.79	-.41	L .52	.49	75.4	75.0	S24
2	31	70	1.38	.31	.92	-.55	.81	-.60	M .63	.60	75.4	76.0	S2
3	32	70	1.29	.31	.92	-.56	.76	-.84	l .63	.60	80.0	75.7	S3
4	54	70	-.76	.33	.91	-.50	.72	-.37	k .47	.43	84.6	79.5	S4
17	35	70	1.01	.30	.90	-.73	.80	-.68	j .62	.58	80.0	74.7	S17
23	54	70	-.76	.33	.90	-.59	.68	-.46	i .48	.43	81.5	79.5	S23
25	51	70	-.45	.32	.89	-.71	.68	-.60	h .51	.46	73.8	76.5	S25
16	53	70	-.65	.33	.87	-.84	.63	-.64	g .50	.44	76.9	78.4	S16
1	43	70	.30	.30	.81	-1.52	.85	-.37	f .59	.53	83.1	74.1	S1
6	59	70	-1.37	.37	.85	-.66	.62	-.36	e .43	.37	87.7	85.3	S6
18	59	70	-1.37	.37	.85	-.66	.64	-.33	d .43	.37	87.7	85.3	S18
22	57	70	-1.11	.35	.81	-.99	.66	-.36	c .47	.40	87.7	83.1	S22
8	47	70	-.06	.30	.77	-1.90	.59	-1.09	b .59	.49	83.1	74.7	S8
13	64	70	-2.23	.47	.59	-1.39	.24	-1.17	a .44	.29	92.3	91.0	S13
MEAN	46.2	70.0	.00	.34	.98	-.1	1.25	.2			80.2	79.2	
P.SD	12.6	.0	1.44	.07	.17	1.0	1.22	1.2			7.3	5.7	