

VALIDITAS BUTIR SOAL

[illegible]

UJI VALIDITAS SOAL DENGAN SPSS 26 LANGKAH-LANGKAH UJI VALIDITAS SOAL DENGAN SPSS 26 SEBAGAI BERIKUT:

1. Buka aplikasi SPSS 26.
2. Masukkan data nilai ke sheet Data View (pojok bawah kiri).
3. Ubah nama di sheet Variable View (pojok bawah kiri) dengan soal 1 – soal 12 dan total.
4. Klik Analyze, kemudian Corelate, kemudian Bivariate.
5. Muncul halaman Bivariate Correlations, pindahkan seluruh item ke kolom variables, kemudian klik OK.
6. Akan muncul halaman Output Uji Validitas Soal.

HASIL UJI VALIDITAS SOAL DENGAN SPSS VERSI 26

		Soal_1	Soal_2	Soal_3	Soal_4	Soal_5	Soal_6	Soal_7	Soal_8	Soal_9	Soal_10	Skor Total
Soal_1	Pearson Correlation	1	.833**	.292	.489*	.389	.278	.489*	.272	.734**	.469*	.765**
	Sig. (2-tailed)		.000	.176	.018	.066	.199	.018	.209	.000	.024	.000
	N	23	23	23	23	23	23	23	23	23	23	23
Soal_2	Pearson Correlation	.833**	1	.280	.516*	.580**	.190	.516*	.533**	.911**	.649**	.877**
	Sig. (2-tailed)	.000		.195	.012	.004	.386	.012	.009	.000	.001	.000
	N	23	23	23	23	23	23	23	23	23	23	23
Soal_3	Pearson Correlation	.292	.280	1	.840**	.214	.278	.840**	-.096	.195	.292	.608**
	Sig. (2-tailed)	.176	.195		.000	.327	.199	.000	.663	.372	.176	.002
	N	23	23	23	23	23	23	23	23	23	23	23
Soal_4	Pearson Correlation	.489*	.516*	.840**	1	.220	.172	1.000**	.032	.411	.313	.735**
	Sig. (2-tailed)	.018	.012	.000		.314	.432	.000	.886	.051	.146	.000
	N	23	23	23	23	23	23	23	23	23	23	23
Soal_5	Pearson Correlation	.389	.580**	.214	.220	1	.224	.220	.334	.659**	.916**	.695**
	Sig. (2-tailed)	.066	.004	.327	.314		.304	.314	.120	.001	.000	.000
	N	23	23	23	23	23	23	23	23	23	23	23
Soal_6	Pearson Correlation	.278	.190	.278	.172	.224	1	.172	.226	.132	.278	.418*
	Sig. (2-tailed)	.199	.386	.199	.432	.304		.432	.300	.547	.199	.047
	N	23	23	23	23	23	23	23	23	23	23	23
Soal_7	Pearson Correlation	.489*	.516*	.840**	1.000**	.220	.172	1	.032	.411	.313	.735**
	Sig. (2-tailed)	.018	.012	.000	.000	.314	.432		.886	.051	.146	.000
	N	23	23	23	23	23	23	23	23	23	23	23
Soal_8	Pearson Correlation	.272	.533**	-.096	.032	.334	.226	.032	1	.398	.456*	.459*
	Sig. (2-tailed)	.209	.009	.663	.886	.120	.300	.886		.060	.029	.028
	N	23	23	23	23	23	23	23	23	23	23	23
Soal_9	Pearson Correlation	.734**	.911**	.195	.411	.659**	.132	.411	.398	1	.555**	.790**
	Sig. (2-tailed)	.000	.000	.372	.051	.001	.547	.051	.060		.006	.000
	N	23	23	23	23	23	23	23	23	23	23	23
Soal_10	Pearson Correlation	.469*	.649**	.292	.313	.916**	.278	.313	.456*	.555**	1	.765**

	Sig. (2-tailed)	.024	.001	.176	.146	.000	.199	.146	.029	.006		.000
	N	23	23	23	23	23	23	23	23	23	23	23
Skor_Total	Pearson Correlation	.765**	.877**	.608**	.735**	.695**	.418*	.735**	.459*	.790**	.765**	1
	Sig. (2-tailed)	.000	.000	.002	.000	.000	.047	.000	.028	.000	.000	
	N	23	23	23	23	23	23	23	23	23	23	23

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

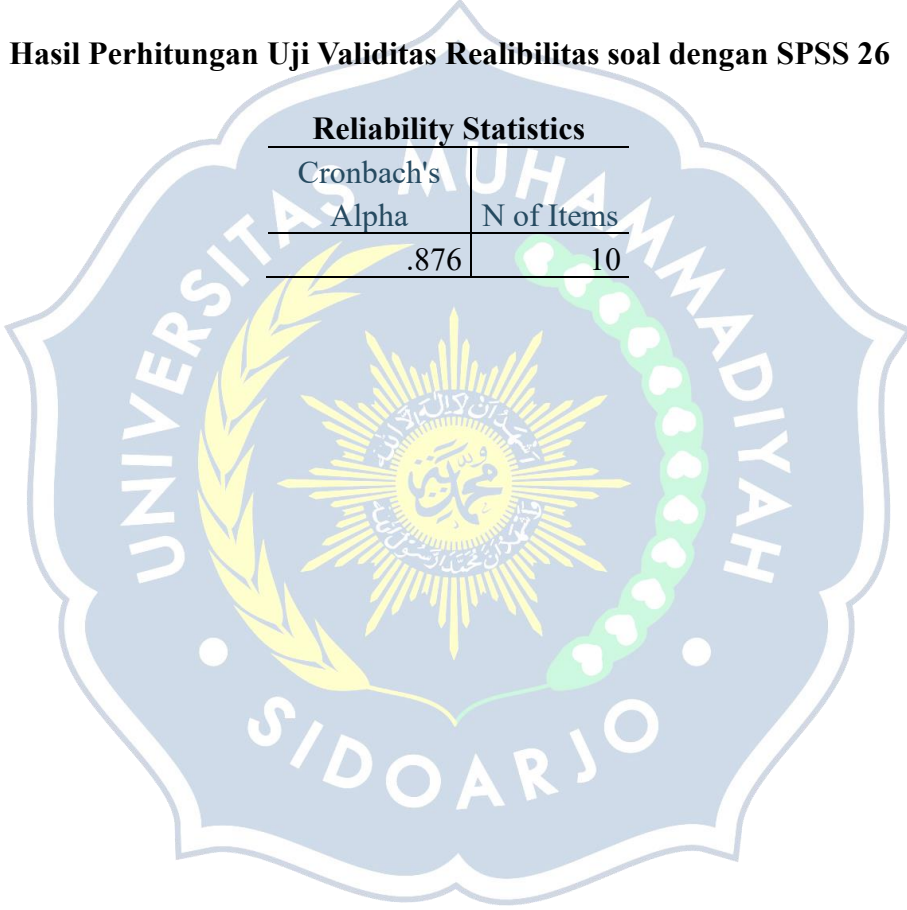


UJI RELIABILITAS SOAL DENGAN SPSS 26

Langkah-langkah Uji Reliabilitas Soal dengan SPSS 26 sebagai berikut:

1. Buka aplikasi SPSS 26.
2. Masukkan data nilai ke sheet Data View (pojok bawah kiri).
3. Ubah nama di sheet Variable View (pojok bawah kiri) dengan soal 1 – soal 12 dan total.
4. Klik Analyze, kemudian Scale, kemudian Reliability Analysis.
5. Muncul halaman Reliability Analysis, pindahkan semua item kecuali total.
6. Klik Statistics, kemudian ceklis scale if item deleted, klik continue.
7. Pastikan menggunakan model Alpha (dibawah kolom item), klik OK.
8. Akan muncul halaman Output Uji Reliabilitas Soal.

Hasil Perhitungan Uji Validitas Realibilitas soal dengan SPSS 26



Reliability Statistics	
Cronbach's Alpha	N of Items
.876	10

DATA NILAI *PRE-TEST* SOAL LITERASI SAINS SD NEGERI BORO
KELAS EKSPERIMEN

NO	NAMA SISWA	NILAI SOAL										SKOR TOTAL
		1	2	3	4	5	6	7	8	9	10	
1	Moh Kevina	0	0	10	0	10	0	0	0	10	0	30
2	Rahmadi	10	0	0	10	10	0	0	10	0	10	40
3	Achmad Maulana	10	10	0	0	0	10	10	0	10	0	50
4	Hanum Tri A	0	0	10	10	10	0	0	10	10	0	50
5	Shofiyatun Najwa	10	10	0	0	0	10	10	10	0	0	50
6	Khalilatus F	0	10	10	10	10	0	0	10	0	0	50
7	Sasmito Budi W	10	0	0	10	0	0	10	0	10	0	40
8	A Shilmi Khaffah	0	10	10	10	0	0	10	10	0	10	60
9	Amelia Fauziyah	10	10	0	0	10	0	10	10	10	10	70
10	Efranda Aprilia	0	10	10	10	10	0	10	10	0	10	70
11	Riyan	10	10	0	0	0	10	10	10	0	0	50
12	Asrul Hayanza	10	10	10	10	0	0	0	10	0	10	60
13	Moh Ilham N	0	0	10	10	10	0	0	10	10	0	50
14	Aisyah Al A	0	10	10	10	0	0	10	10	0	10	60
15	Alvira Febriana	0	10	10	10	10	0	0	10	0	0	50
16	M Satrio	0	0	0	10	10	0	10	10	0	10	40
JUMLAH		70	100	90	110	90	30	90	130	60	70	820

DATA NILAI *PRE-TEST* SOAL LITERASI SAINS SD NEGERI BORO
KELAS KONTROL

NO	NAMA SISWA	NILAI SOAL										SKOR TOTAL
		1	2	3	4	5	6	7	8	9	10	
1	Marveliora	0	10	10	10	10	0	0	10	0	0	50
2	Moh. Fahmi P	10	10	0	0	10	0	10	10	10	10	70
3	Agista Fitria A	0	10	10	10	10	0	10	10	0	10	70
4	Gracia Angelita P	0	0	10	0	10	0	0	0	10	0	30
5	Moh Al-Alim	10	0	0	10	10	0	0	10	0	10	40
6	Indriani Putri W	10	10	10	10	0	0	0	10	0	10	60
7	Muchamad Radit	10	0	0	10	0	10	10	0	0	0	40
8	Orchivia Z	0	0	10	10	0	0	0	0	0	10	30
9	Meisyah Nur A	10	10	0	0	10	0	0	10	0	10	50
10	Achmad Hafidz	0	10	10	10	0	0	10	10	0	0	50
11	Adelia Collista	10	10	0	0	0	0	0	10	0	0	30
12	Iqbal As-Wandah	0	10	10	10	0	0	0	10	0	10	50
13	Kentha Channa W	10	0	10	10	10	0	0	10	10	0	60
14	Shella Anindita	0	10	0	10	0	0	0	10	0	10	40
15	Aprilianto AlHafiz	0	10	10	10	10	0	0	10	0	0	50
16	Auni El-Watda	10	0	0	10	10	0	10	10	0	10	60
JUMLAH		80	100	90	120	90	10	50	120	30	90	780

DATA NILAI *POST-TEST* SOAL LITERASI SAINS SD NEGERI BORO
KELAS EKSPERIMEN

NO	NAMA SISWA	NILAI SOAL										SKOR TOTAL
		1	2	3	4	5	6	7	8	9	10	
1	Moh Kevina	0	10	0	10	10	10	10	10	10	0	80
2	Rahmadi	10	0	10	10	10	0	10	10	10	10	80
3	Achmad Maulana	10	10	0	10	10	10	10	10	10	10	90
4	Hanum Tri A	10	0	10	10	10	0	0	10	10	10	70
5	Shofiyatun Najwa	10	10	10	0	10	10	10	10	10	0	80
6	Khalilatus F	0	10	10	10	10	10	10	10	0	10	80
7	Sasmito Budi W	10	10	10	10	0	10	10	10	10	10	90
8	A Shilmi Khaffah	0	10	10	10	10	0	10	10	0	10	70
9	Amelia Fauziyah	10	10	0	10	10	0	10	10	10	10	80
10	Efranda Aprilia	0	10	10	10	10	10	10	10	0	10	80
11	Riyan	10	10	10	10	10	10	10	10	10	10	100
12	Asrul Hayanza	10	10	10	10	10	0	10	10	0	10	80
13	Moh Ilham N	10	10	10	10	10	10	0	10	10	10	90
14	Aisyah Al A	0	10	10	10	10	0	10	10	10	10	80
15	Alvira Febriana	10	10	10	10	10	0	0	10	0	0	60
16	M Satrio	10	0	0	10	10	0	10	10	10	10	70
JUMLAH		110	130	120	150	150	80	130	160	120	130	1280

DATA NILAI *POST-TEST* SOAL LITERASI SAINS SD NEGERI BORO
KELAS KONTROL

NO	NAMA SISWA	NILAI SOAL										SKOR TOTAL
		1	2	3	4	5	6	7	8	9	10	
1	Marveliora	10	0	0	10	10	0	10	10	10	10	70
2	Moh. Fahmi P	10	10	10	0	10	0	10	10	10	10	80
3	Agista Fitria A	0	10	10	10	10	10	10	10	0	10	70
4	Gracia Angelita P	10	0	10	10	10	10	0	10	10	0	70
5	Moh Al-Alim	10	10	0	10	10	0	10	10	0	10	70
6	Indriani Putri W	10	10	10	10	10	10	0	10	0	10	80
7	Muchamad Radit	10	0	10	10	0	10	10	0	10	0	60
8	Orchivia Z	0	0	10	10	10	10	10	0	0	10	60
9	Meisyah Nur A	10	10	0	0	0	10	0	0	10	10	50
10	Achmad Hafidz	0	0	10	0	0	10	10	10	0	10	50
11	Adelia Collista	10	10	0	10	10	0	0	10	0	10	60
12	Iqbal As-Wandah	0	10	10	10	10	10	0	10	0	10	70
13	Kentha Channa W	10	10	10	10	10	0	10	10	10	0	80
14	Shella Anindita	0	10	10	10	10	10	10	10	10	10	90
15	Aprilianto Alafiz	10	10	10	10	10	10	0	10	0	0	70
16	Auni El-Watda	0	0	0	10	10	0	10	10	0	10	50
JUMLAH		100	100	110	130	130	100	100	100	70	120	1080

**Hasil Perhitungan Uji Homogenitas Kelas Eksperimen
dan Kelas Kontrol dengan SPSS 26**

Test of Homogeneity of Variance					
		Levene Statistic	df1	df2	Sig.
Hasil Belajar	Based on Mean	.808	1	30	.376
	Based on Median	.789	1	30	.381
	Based on Median and with adjusted df	.789	1	29.917	.381
	Based on trimmed mean	.808	1	30	.376

**Hasil Perhitungan Uji Normalitas Kelas Eksperimen
dan Kelas Kontrol dengan SPSS 26**

Tests of Normality				
	Kelas	Statistic	Shapiro-Wilk df	Sig.
Hasil Belajar Siswa	Pretest Eksperimen	.922	16	.184
	Posttest Eksperimen	.911	16	.122
	Pretest Kontrol	.922	16	.182
	Posttest Kontrol	.921	16	.176

Hasil Perhitungan Uji Independent Samples Test (ada tidaknya perbedaan dari hasil Pre-Test) dengan SPSS 26

		Independent Samples Test								
		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2- taile d)	Mea n Diff eren ce	Std. Erro r Diff eren ce	95% Confidence Interval of the Difference Low er Upp er	
Hasil Belajar Pretest	Equal variances assumed	.808	.376	.587	30	.561	2.500	4.257	-6.195	11.195
	Equal variances not assumed			.587	9.109	.562	2.500	4.257	-6.207	11.207

Hasil Perhitungan Uji Independent Samples Test (ada tidaknya perbedaan dari hasil Post-Test) dengan SPSS 26

		Independent Samples Test								
		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	d f	Sig. (2- tail ed)	Me an Diff eren ce	Std. Err or Diff eren ce	95% Confidence Interval of the Difference Lo wer Upp er	
Hasil Belajar	Equal variances assumed	1.596	.216	3.202	30	.003	12.500	3.819	4.701	20.299

