

## ANALISIS DATA SPSS

### UJI VALIDITAS SOAL

		Correlations												JUMLA
		S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	H
S1	Pearson Correlation	1	,335*	,582*	,339*	,259	,403*	,306	,337*	,234	,113	,019	,001	,679**
	Sig. (2-tailed)		,049	,000	,046	,132	,016	,074	,048	,176	,519	,916	,994	,000
	N	35	35	35	35	35	35	35	35	35	35	35	35	35
S2	Pearson Correlation	,335*	1	,289	-,157	,491*	,465*	,296	,012	,237	,460*	,175	,124	,502**
	Sig. (2-tailed)	,049		,093	,368	,003	,005	,084	,944	,171	,005	,314	,479	,002
	N	35	35	35	35	35	35	35	35	35	35	35	35	35
S3	Pearson Correlation	,582*	,289	1	,546*	-,074	,664*	,653*	,475*	,106	,182	-,124	,154	,694**
	Sig. (2-tailed)	,000	,093		,001	,673	,000	,000	,004	,546	,295	,477	,378	,000
	N	35	35	35	35	35	35	35	35	35	35	35	35	35
S4	Pearson Correlation	,339*	-,157	,546*	1	-,113	,246	,531*	,634*	-,098	-,198	-,057	-,117	,507**
	Sig. (2-tailed)	,046	,368	,001		,518	,155	,001	,000	,577	,253	,746	,505	,002
	N	35	35	35	35	35	35	35	35	35	35	35	35	35
S5	Pearson Correlation	,259	,491*	-,074	-,113	1	,077	-,097	,108	,639*	,270	,553*	,228	,482**
	Sig. (2-tailed)	,132	,003	,673	,518		,661	,578	,538	,000	,117	,001	,188	,003
	N	35	35	35	35	35	35	35	35	35	35	35	35	35
S6	Pearson Correlation	,403*	,465*	,664*	,246	,077	1	,592*	,409*	,145	,422*	-,057	,432*	,664**
	Sig. (2-tailed)	,016	,005	,000	,155	,661		,000	,015	,407	,012	,744	,010	,000

	N	35	35	35	35	35	35	35	35	35	35	35	35	35
S7	Pearson Correlation	,306	,296	,653*	,531*	- ,097	,592*	1	,280	,035	,210	,022	,085	,619**
	Sig. (2-tailed)	,074	,084	,000	,001	,578	,000		,103	,840	,226	,902	,629	,000
	N	35	35	35	35	35	35	35	35	35	35	35	35	35
S8	Pearson Correlation	,337*	,012	,475*	,634*	,108	,409*	,280	1	,135	,092	,217	,078	,622**
	Sig. (2-tailed)	,048	,944	,004	,000	,538	,015	,103		,440	,600	,211	,658	,000
	N	35	35	35	35	35	35	35	35	35	35	35	35	35
S9	Pearson Correlation	,234	,237	,106	- ,098	,639*	,145	,035	,135	1	,456*	,594*	,659*	,543**
	Sig. (2-tailed)	,176	,171	,546	,577	,000	,407	,840	,440		,006	,000	,000	,001
	N	35	35	35	35	35	35	35	35	35	35	35	35	35
S10	Pearson Correlation	,113	,460*	,182	- ,198	,270	,422*	,210	,092	,456*	1	,053	,505*	,464**
	Sig. (2-tailed)	,519	,005	,295	,253	,117	,012	,226	,600	,006		,761	,002	,032
	N	35	35	35	35	35	35	35	35	35	35	35	35	35
S11	Pearson Correlation	,019	,175	- ,124	- ,057	,553*	- ,057	,022	,217	,594*	,053	1	,197	,451**
	Sig. (2-tailed)	,916	,314	,477	,746	,001	,744	,902	,211	,000	,761		,256	,010
	N	35	35	35	35	35	35	35	35	35	35	35	35	35
S12	Pearson Correlation	,001	,124	,154	- ,117	,228	,432*	,085	,078	,659*	,505*	,197	1	,445**
	Sig. (2-tailed)	,994	,479	,378	,505	,188	,010	,629	,658	,000	,002	,256		,042
	N	35	35	35	35	35	35	35	35	35	35	35	35	35
JUMLA H	Pearson Correlation	,679*	,502*	,694*	,507*	,482*	,664*	,619*	,622*	,543*	,464*	,451*	,445*	1
	Sig. (2-tailed)	,000	,002	,000	,002	,003	,000	,000	,000	,001	,032	,010	,042	

N	35	35	35	35	35	35	35	35	35	35	35	35	35	35
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\*. Correlation is significant at the 0.05 level (2-tailed).

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

	t hitung	t tabel	Kategori
Soal 1	0,679**	0,443	Valid
Soal 2	0,502**	0,443	Valid
Soal 3	0,694**	0,443	Valid
Soal 4	0,507**	0,443	Valid
Soal 5	0,482**	0,443	Valid
Soal 6	0,664**	0,443	Valid
Soal 7	0,619**	0,443	Valid
Soal 8	0,622**	0,443	Valid
Soal 9	0,543**	0,443	Valid
Soal 10	0,464**	0,443	Valid
Soal 11	0,451**	0,443	Valid
Soal 12	0,445**	0,443	Valid

Penentuan valid atau tidaknya butir soal esai, dilakukan dengan membandingkan nilai  $r$  hitung dan  $r$  tabel. Jika  $r$  hitung  $<$   $r$  tabel = tidak valid,  $r$  hitung  $>$   $r$  tabel = valid. Hasil pengujian validitas butir soal terindikasi bahwa dari 12 soal yang di uji, 12 nilai  $t$  hitung lebih besar dari  $t$  tabel. Sehingga 12 soal dinyatakan valid dan dapat digunakan.

#### UJI REABILITAS

##### Reliability Statistics

Cronbach's	
Alpha	N of Items
,910	12

#### UJI RATA-RATA PRATES DAN PASCATES SISWA

##### Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Pretest	32,46	35	8,406	1,421
	Posttest	56,03	35	14,762	2,495

#### UJI SAMPEL KORELASI

##### Paired Samples Correlations

	N	Correlation	Sig.
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Pair 1	Pretest & Posttest	35	,823	,000
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## UJI NORMALITAS

### One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		35
Normal Parameters <sup>a,b</sup>	Mean	,0000000
	Std. Deviation	4,77758812
Most Extreme Differences	Absolute	,117
	Positive	,117
	Negative	-,071
Test Statistic		,117
Asymp. Sig. (2-tailed)		,200 <sup>c,d</sup>

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

## UJI PAIRED SAMPEL T TEST

		Paired Samples Test							
		Paired Differences							
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper	t	df	Sig. (2-tailed)
Pair 1	Pretest - Posttest	-23,571	9,185	1,553	-26,727	-20,416	-15,182	34	,000

## UJI N-GAIN

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
COMPUTE Ngain_score=Pascates_kurang_Prates / ScorMax_kurang_Prates	35	,06	,68	,3621	,16563

COMPUTE Ngain_Persen=Ngain_score * 100	35	6,25	68,09	36,2056	16,56338
Valid N (listwise)	35				