

Peningkatan literasi sains aspek pengetahuan

Kelas Eksperimen Aspek Pengetahuan Literasi Sains									
No	Peserta didik	Mengenali		Menjelaskan		Memberikan contoh		Pre-test	Post-test
		Pretest	Posttest	Pretest	Posttest	Pretest	Posttest		
1	B1	2	44	2	30	2	24	6	98
2	B2	4	28	2	32	2	24	8	84
3	B3	2	30	0	32	2	24	4	86
4	B4	8	32	0	32	0	24	8	88
5	B5	4	34	0	32	2	24	6	90
6	B6	2	36	2	28	2	24	6	88
7	B7	4	28	2	32	2	24	8	84
8	B8	4	34	2	32	2	24	8	90
9	B9	2	30	2	32	0	24	4	86
10	B10	0	28	2	32	0	24	2	84
11	B11	0	36	2	32	2	24	4	92
12	B12	6	30	2	32	2	24	10	86
13	B13	2	30	2	32	2	24	6	86
14	B14	4	44	2	30	2	24	8	98
15	B15	4	32	0	30	2	24	6	86
16	B16	4	34	0	30	2	24	6	88
17	B17	2	44	2	30	2	20	6	94
18	B18	2	36	0	32	2	20	4	88
19	B19	2	32	0	30	2	20	4	82
20	B20	2	36	0	32	2	20	4	88
21	B21	2	30	2	30	2	20	6	80
22	B22	8	30	2	32	2	20	12	82
23	B23	2	30	0	32	2	20	4	82
24	B24	0	32	2	30	2	20	4	82

Peningkatan literasi sains aspek pengetahuan

Kelas Kontrol									
Aspek Pengetahuan Literasi Sains									
No	Peserta didik	Mengenali		Menjelaskan		Memberikan contoh		Pre-test	Post-test
		Pretest	Posttest	Pretest	Posttest	Pretest	Posttest		
1	A1	18	28	16	28	10	10	44	66
2	A2	18	24	20	28	4	4	42	56
3	A3	16	28	10	24	4	10	30	62
4	A4	10	14	6	6	4	4	20	24
5	A5	14	22	6	6	4	16	24	44
6	A6	18	22	28	32	8	10	54	64
7	A7	24	24	18	28	14	16	56	68
8	A8	18	18	22	22	14	16	54	56
9	A9	10	24	6	10	4	10	20	44
10	A10	16	24	22	22	4	4	42	50
11	A11	16	16	20	28	4	4	40	48
12	A12	10	18	6	14	4	4	20	36
13	A13	12	14	24	28	10	10	46	52
14	A14	10	18	6	20	4	10	20	48
15	A15	14	18	6	6	4	4	24	28
16	A16	16	16	28	28	10	10	54	54
17	A17	20	22	18	20	10	10	48	52
18	A18	16	22	6	10	4	4	26	36
19	A19	16	24	14	20	4	4	34	48
20	A20	12	26	12	26	4	10	28	62
21	A21	10	14	6	10	4	10	20	34
22	A22	20	24	20	28	10	4	50	56
23	A23	20	16	22	20	4	4	46	40
24	A24	16	18	20	18	10	10	46	46

HASIL UJI VALIDITAS
PRODUCT MOMENT PEARSON CORRELATION
DENGAN BANTUAN *SOFTWARE* SPSS 26

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CORRELATIONS
  /VARIABLES=X1 X2 X3 X4 X5 X6 X7 X8 X9 X10 TOTAL
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.

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Correlations

[DataSet0]

[illegible]

X6	Pearson Correlation	.643**	.444	.488*	.263	.646**	1	.336	.562*	.618**	.511*	.789**
	Sig. (2-tailed)	.004	.065	.040	.292	.004		.173	.015	.006	.030	.000
	N	18	18	18	18	18	18	18	18	18	18	18
X7	Pearson Correlation	.346	.086	.735**	.465	.258	.336	1	.539*	.408	.619**	.660**
	Sig. (2-tailed)	.159	.735	.001	.052	.300	.173		.021	.093	.006	.003
	N	18	18	18	18	18	18	18	18	18	18	18
X8	Pearson Correlation	.306	.195	.480*	.190	.362	.562*	.539*	1	.595**	.691**	.656**
	Sig. (2-tailed)	.217	.438	.044	.451	.139	.015	.021		.009	.002	.003
	N	18	18	18	18	18	18	18	18	18	18	18
X9	Pearson Correlation	.420	.449	.283	.116	.378	.618**	.408	.595**	1	.342	.634**
	Sig. (2-tailed)	.082	.061	.255	.647	.122	.006	.093	.009		.165	.005
	N	18	18	18	18	18	18	18	18	18	18	18
X10	Pearson Correlation	.566*	.423	.610**	.509*	.438	.511*	.619**	.691**	.342	1	.801**
	Sig. (2-tailed)	.014	.080	.007	.031	.069	.030	.006	.002	.165		.000
	N	18	18	18	18	18	18	18	18	18	18	18
TOTAL	Pearson Correlation	.677**	.637**	.745**	.634**	.715**	.789**	.660**	.656**	.634**	.801**	1
	Sig. (2-tailed)	.002	.004	.000	.005	.001	.000	.003	.003	.005	.000	
	N	18	18	18	18	18	18	18	18	18	18	18

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

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

HASIL UJI REABILITAS

CRONBACH'S ALPHA

DENGAN BANTUAN SOFTWARE SPSS 26

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RELIABILITY
/VARIABLES=X1 X2 X3 X4 X5 X6 X7 X8 X9 X10
/SCALE('ALL VARIABLES') ALL
/MODEL=ALPHA
/SUMMARY=TOTAL.
```

Reliability Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	18	100.0
	Excluded ^a	0	.0
	Total	18	100.0

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

Reliability Statistics

Cronbach's	
Alpha	N of Items
.871	10

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Cronbach's Alpha if Item Deleted
X1	26.00	360.000	.596	.858
X2	26.56	336.379	.493	.873
X3	27.78	337.830	.660	.853
X4	25.78	347.712	.512	.867
X5	27.56	348.497	.632	.855
X6	27.44	326.026	.710	.848
X7	28.00	360.000	.573	.860
X8	28.11	376.222	.592	.861
X9	28.44	373.908	.562	.862
X10	28.33	354.000	.753	.849

UJI NORMALITAS

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Pretest Eksperimen	.145	24	.200*	.938	24	.146
Posttest Eksperimen	.158	24	.127	.937	24	.138
Pretest Kontrol	.103	24	.200*	.956	24	.369
Posttest Kontrol	.094	24	.200*	.973	24	.741

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

a. Lilliefors Significance Correction

UJI HOMOGENITAS

Test Results

Box's M	16.730
F	Approx. 16.414
df1	1
df2	6348.000
Sig.	.000

Tests null hypothesis of equal
population covariance matrices.

UJI INDEPENDENT SAMPLE TEST

		Independent Samples Test								
		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
hasil	Equal variances assumed	13.251	.001	14.784	46	.000	38.250	2.587	33.042	43.458
	Equal variances not assumed			14.784	30.326	.000	38.250	2.587	32.968	43.532