

## LAMPIRAN E.3

### 1. Uji normalitas data pretes, postes dan indeks gain kemampuan berpikir kritis siswa kelas eksperimen

#### Descriptive Statistics

	<i>N</i>	<i>Mean</i>	<i>Std. Deviation</i>	<i>Minimum</i>	<i>Maximum</i>
PRETES_1	32	13.44	2.850	7	18
POSTES_1	32	23.84	3.539	16	29
NGAIN_1	32	.5653	.16126	.29	.84

#### One-Sample Kolmogorov-Smirnov Test

		PRETES_1	POSTES_1	NGAIN_1
<i>N</i>		32	32	32
<i>Normal Parameters<sup>a, b</sup></i>	<i>Mean</i>	13.44	23.84	.5653
	<i>Std. Deviation</i>	2.850	3.539	.16126
<i>Most Extreme Differences</i>	<i>Absolute</i>	.116	.135	.117
	<i>Positive</i>	.116	.133	.106
	<i>Negative</i>	-.097	-.135	-.117
<i>Kolmogorov-Smirnov Z</i>		.658	.764	.661
<i>Asymp. Sig. (2-tailed)</i>		.780	.603	.774

a. Test distribution is Normal.

b. Calculated from data.

### 2. Uji normalitas data pretes, postes dan indeks gain kemampuan berpikir kritis siswa kelas kontrol

#### Descriptive Statistics

	<i>N</i>	<i>Mean</i>	<i>Std. Deviation</i>	<i>Minimum</i>	<i>Maximum</i>
PRETES_2	32	13.75	2.759	8	19
POSTES_2	32	19.69	5.693	9	29
NGAIN_2	32	.3413	.25819	-.06	.83

**One-Sample Kolmogorov-Smirnov Test**

		PRETES_2	POSTES_2	NGAIN_2
<i>N</i>		32	32	32
<i>Normal Parameters<sup>a, b</sup></i>	<i>Mean</i>	13.75	19.69	.3413
	<i>Std. Deviation</i>	2.759	5.693	.25819
<i>Most Extreme Differences</i>	<i>Absolute</i>	.143	.119	.121
	<i>Positive</i>	.082	.116	.121
	<i>Negative</i>	-.143	-.119	-.074
<i>Kolmogorov-Smirnov Z</i>		.812	.675	.686
<i>Asymp. Sig. (2-tailed)</i>		.525	.752	.734

a. Test distribution is Normal.

b. Calculated from data.

### 3. Uji homogenitas data pretes kemampuan berpikir kritis siswa

**Descriptives**

PRETES\_KEMAMPUAN BERPIKIR KRITIS

	<i>N</i>	<i>Mean</i>	<i>Std. Deviation</i>	<i>Std. Error</i>	95% Confidence Interval for Mean		<i>Minimum</i>	<i>Maximum</i>
					<i>Lower Bound</i>	<i>Upper Bound</i>		
SHARED	32	13.44	2.850	.504	12.41	14.47	7	18
DIRECT INSTRUCTION	32	13.75	2.759	.488	12.76	14.74	8	19
Total	64	13.59	2.787	.348	12.90	14.29	7	19

**Test of Homogeneity of Variances**

PRETES\_KEMAMPUAN BERPIKIR KRITIS

<i>Levene Statistic</i>	<i>df1</i>	<i>df2</i>	<i>Sig.</i>
.193	1	62	.662

#### 4. Uji homogenitas data postes kemampuan berpikir kritis siswa

##### Descriptives

POSTES\_KEMAMPUAN BERPIKIR KRITIS

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
SHARED	32	23.84	3.539	.626	22.57	25.12	16	29
DIRECT INSTRUCTION	32	19.69	5.693	1.006	17.63	21.74	9	29
Total	64	21.77	5.148	.643	20.48	23.05	9	29

##### Test of Homogeneity of Variances

POSTES\_KEMAMPUAN BERPIKIR KRITIS

Levene Statistic	df1	df2	Sig.
9.578	1	62	.003

#### 5. Uji homogenitas indeks gain kemampuan berpikir kritis siswa

##### Descriptives

NGAIN\_KEMAMPUAN BERPIKIR KRITIS

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
SHARED	32	.5653	.16126	.02851	.5072	.6235	.29	.84
DIRECT INSTRUCTION	32	.3413	.25819	.04564	.2482	.4343	-.06	.83
Total	64	.4533	.24156	.03019	.3929	.5136	-.06	.84

##### Test of Homogeneity of Variances

## NGAIN\_KEMAMPUAN BERPIKIR KRITIS

<i>Levene Statistic</i>	<i>df1</i>	<i>df2</i>	<i>Sig.</i>
9.973	1	62	.002

## 6. Uji perbedaan dua rata-rata data pretes kemampuan berpikir kritis siswa

### T-Test

#### Group Statistics

<i>MODEL</i>	<i>N</i>	<i>Mean</i>	<i>Std. Deviation</i>	<i>Std. Error Mean</i>
PRETES_KRITIS <i>SHARED</i>	32	13.44	2.850	.504
<i>DIRECT INSTRUCTION</i>	32	13.75	2.759	.488

#### Independent Samples Test

	<i>Levene's Test for Equality of Variances</i>	<i>t-test for Equality of Means</i>								
									<i>95% Confidence Interval of the Difference</i>	
		<i>F</i>	<i>Sig.</i>	<i>t</i>	<i>df</i>	<i>Sig. (2-tailed)</i>	<i>Mean Difference</i>	<i>Std. Error Difference</i>	<i>Lower</i>	<i>Upper</i>
PRETES_KRITIS <i>Equal variances assumed</i>	.193	.662	-.446	62	.657	-.313	.701	-1.714	1.089	
<i>Equal variances not assumed</i>			-.446	61.934	.657	-.313	.701	-1.714	1.089	

## 7. Uji perbedaan dua rata-rata data postes kemampuan berpikir kritis siswa

### Mann-Whitney Test

#### Ranks

<i>MODEL</i>	<i>N</i>	<i>Mean Rank</i>	<i>Sum of Ranks</i>
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POSTES_KRITIS	<i>SHARED</i>	32	39.38	1260.00
	<i>DIRECT INSTRUCTION</i>	32	25.63	820.00
	Total	64		

**Test Statistics<sup>a</sup>**

	POSTES_KRITIS
<i>Mann-Whitney U</i>	292.000
<i>Wilcoxon W</i>	820.000
<i>Z</i>	-2.965
<i>Asymp. Sig. (2-tailed)</i>	.003

**8. Uji perbedaan dua rata-rata indeks gain kemampuan berpikir kritis siswa**

***Mann-Whitney Test***

**Ranks**

MODEL	<i>N</i>	<i>Mean Rank</i>	<i>Sum of Ranks</i>
NGAIN_KRITIS <i>SHARED</i>	32	40.47	1295.00
<i>DIRECT INSTRUCTION</i>	32	24.53	785.00
Total	64		

**Test Statistics<sup>a</sup>**

	NGAIN_KRITIS
<i>Mann-Whitney U</i>	257.000
<i>Wilcoxon W</i>	785.000
<i>Z</i>	-3.425
<i>Asymp. Sig. (2-tailed)</i>	.001

**Test Statistics<sup>a</sup>**

	NGAIN_KRITIS
<i>Mann-Whitney U</i>	257.000
<i>Wilcoxon W</i>	785.000
<i>Z</i>	-3.425
<i>Asymp. Sig. (2-tailed)</i>	.001