

Lampiran 4

UJI NORMALITAS

A. ALAT UKUR BBS

Tests of Normality

	Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Nilai	preBBS 1	.183	10	.200*	.884	10	.145
	postBBS 1	.272	10	.035	.896	10	.198
	Selisih BBS 1	.178	10	.200*	.907	10	.258
	preBBS 2	.168	10	.200*	.908	10	.268
	postBBS 2	.242	10	.099	.924	10	.389
	selisih bbs 2	.258	10	.058	.902	10	.231

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

a. Lilliefors Significance Correction

B. ALAT UKUR FRT

Tests of Normality

	Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Nilai	pretestFRT 1	.249	10	.080	.902	10	.229
	posttestFRT 1	.217	10	.199	.915	10	.313
	selisih FRT 1	.195	10	.200*	.878	10	.124
	pretestFERT 2	.237	10	.119	.912	10	.296
	posttestFRT 2	.245	10	.090	.892	10	.177
	selisih FRT 2	.202	10	.200*	.878	10	.124

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

a. Lilliefors Significance Correction

## UJI HOMOGENITAS

### A. ALAT UKUR BBS

#### Group Statistics

	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
Nilai	Selisih BBS 1	10	8.50	1.080	.342
	Selisih BBS 2	10	10.40	1.647	.521

#### 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
Nilai	.653	.430	-3.051	18	.007	-1.900	.623	-3.208	-.592
i			-3.051	15.536	.008	-1.900	.623	-3.223	-.577

## B. ALAT UKUR FRT

### Group Statistics

	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
Nilai	Selisih FRT 1	10	2.40	1.174	.371
	Selisih FRT 2	10	3.70	1.160	.367

### 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	
Nilai	Equal variances assumed	.027	.871	-2.492	18	.023	-1.300	.522	-2.396	-.204
	Equal variances not assumed			-2.492	17.997	.023	-1.300	.522	-2.396	-.204

## UJI HIPOTESIS 1

### A. OTAGO EXERCISE

#### 1. ALAT UKUR BBS

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	PretestBBS1	43.10	10	1.595	.504
	PosttestBBS1	51.60	10	1.350	.427

**Paired Samples Test**

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	PretestBBS1 - PosttestBBS1	-8.500	1.080	.342	-9.273	-7.727	-24.885	9	.000

#### 2. ALAT UKUR FRT

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pretestFRT1	28.20	10	2.098	.663
	posttestFRT1	30.60	10	2.011	.636

**Paired Samples Test**

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	pretestFRT1 - posttestFRT1	-2.400	1.174	.371	-3.240	-1.560	-6.466	9	.000

UJI HIPOTESIS II

B. SQUARE STEPPING EXERCISE

1. ALAT UKUR BBS

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pretestBBS2	43.40	10	1.430	.452
	posttestBBS2	53.80	10	1.229	.389

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	pretestBBS2 - posttestBBS2	-10.400	1.647	.521	-11.578	-9.222	-19.974	.000	

2. ALAT UKUR FRT

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pretestFRT2	27.70	10	2.003	.633
	posttestFRT2	31.40	10	1.075	.340

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	pretestFRT2 - posttestFRT2	-3.700	1.160	.367	-4.529	-2.871	10.091	.000	

### UJI HIPOTESIS III

#### A. ALAT UKUR BBS

##### Group Statistics

	kelompok	N	Mean	Std. Deviation	Std. Error Mean
Nilai	selisih BBS 1	10	8.50	1.080	.342
	Selisih BBS 2	10	10.40	1.647	.521

##### 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	
Nilai	Equal variances assumed	.653	.430	-3.051	18	.007	-1.900	.623	-3.208	-.592
	Equal variances not assumed			-3.051	15.536	.008	-1.900	.623	-3.223	-.577

## B. ALAT UKUR FRT

### Group Statistics

	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
Nilai	selisihFRT1	10	2.40	1.174	.371
	selisihFRT2	10	3.70	1.160	.367

### 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
Nilai	.027	.871	-2.492	18	.023	-1.300	.522	-2.396	-.204
i			-2.492	17.997	.023	-1.300	.522	-2.396	-.204