

Lampiran 4

Diskripsi Data

**Descriptives**

Perlakuan		Statistic	Std. Error	
Sebelum	1	Mean	5.2000	.20000
		95% Confidence Interval for Mean	Lower Bound 4.6447	
			Upper Bound 5.7553	
		5% Trimmed Mean	5.1667	
		Median	5.0000	
		Variance	.200	
		Std. Deviation	.44721	
		Minimum	5.00	
		Maximum	6.00	
		Range	1.00	
		Interquartile Range	.50	
		Skewness	2.236	.913
		Kurtosis	5.000	2.000
		2	Mean	5.4000
		95% Confidence Interval for Mean	Lower Bound 4.7199	
			Upper Bound 6.0801	
		5% Trimmed Mean	5.3889	
		Median	5.0000	
		Variance	.300	
		Std. Deviation	.54772	
		Minimum	5.00	
		Maximum	6.00	
		Range	1.00	
		Interquartile Range	1.00	
		Skewness	.609	.913
		Kurtosis	-3.333	2.000

Sesudah	1	Mean		3.4000	.24495
		95% Confidence Interval for Mean	Lower Bound	2.7199	
			Upper Bound	4.0801	
		5% Trimmed Mean		3.3889	
		Median		3.0000	
		Variance		.300	
		Std. Deviation		.54772	
		Minimum		3.00	
		Maximum		4.00	
		Range		1.00	
		Interquartile Range		1.00	
		Skewness		.609	.913
		Kurtosis		-3.333	2.000
			2	Mean	
95% Confidence Interval for Mean	Lower Bound			3.1220	
	Upper Bound			4.8780	
5% Trimmed Mean				4.0000	
Median				4.0000	
Variance				.500	
Std. Deviation				.70711	
Minimum				3.00	
Maximum				5.00	
Range				2.00	
Interquartile Range				1.00	
Skewness				.000	.913
Kurtosis				2.000	2.000
Selisih	1			Mean	
		95% Confidence Interval for Mean	Lower Bound	1.2447	
			Upper Bound	2.3553	
		5% Trimmed Mean		1.8333	
		Median		2.0000	
		Variance		.200	
		Std. Deviation		.44721	

	Minimum		1.00	
	Maximum		2.00	
	Range		1.00	
	Interquartile Range		.50	
	Skewness		-2.236	.913
	Kurtosis		5.000	2.000
2	Mean		1.4000	.24495
	95% Confidence Interval for Mean	Lower Bound	.7199	
		Upper Bound	2.0801	
	5% Trimmed Mean		1.3889	
	Median		1.0000	
	Variance		.300	
	Std. Deviation		.54772	
	Minimum		1.00	
	Maximum		2.00	
	Range		1.00	
	Interquartile Range		1.00	
	Skewness		.609	.913
	Kurtosis		-3.333	2.000

Normalitas

#### Tests of Normality

	Perlakuan	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Sebelum	1	.473	5	.001	.552	5	.000
	2	.367	5	.026	.684	5	.006
Sesudah	1	.367	5	.026	.684	5	.006
	2	.300	5	.161	.883	5	.325
Selisih	1	.473	5	.001	.552	5	.000
	2	.367	5	.026	.684	5	.006

a. Lilliefors Significance Correction

Homogenitas

**Independent Samples Test**

		Levene's Test for Equality of Variances	
		F	Sig.
Selisih	Equal variances assumed	1.524	.252
	Equal variances not assumed		

Hipotesis I

**Ranks**

	N	Mean Rank	Sum of Ranks
Sesudah2 - Sebelum2 Negative Ranks	5 <sup>a</sup>	3.00	15.00
Positive Ranks	0 <sup>b</sup>	.00	.00
Ties	0 <sup>c</sup>		
Total	5		

a. Sesudah2 < Sebelum2

b. Sesudah2 > Sebelum2

c. Sesudah2 = Sebelum2

**Test Statistics<sup>b</sup>**

	Sesudah1 - Sebelum1
Z	-2.121 <sup>a</sup>
Asymp. Sig. (2-tailed)	.034

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Hipotesis II

**Ranks**

	N	Mean Rank	Sum of Ranks
Sesudah2 - Sebelum2 Negative Ranks	5 <sup>a</sup>	3.00	15.00
Positive Ranks	0 <sup>b</sup>	.00	.00
Ties	0 <sup>c</sup>		
Total	5		

- a. Sesudah2 < Sebelum2
- b. Sesudah2 > Sebelum2
- c. Sesudah2 = Sebelum2

**Test Statistics<sup>b</sup>**

	Sesudah2 - Sebelum2
Z	-2.070 <sup>a</sup>
Asymp. Sig. (2- tailed)	.038

- a. Based on positive ranks.
- b. Wilcoxon Signed Ranks Test

Hipotesis III

**Ranks**

Perlak uan	N	Mean Rank	Sum of Ranks
Selisih 1	5	6.50	32.50
2	5	4.50	22.50
Total	10		

### Test Statistics<sup>b</sup>

	Selisih
Mann-Whitney U	7.500
Wilcoxon W	22.500
Z	-1.225
Asymp. Sig. (2-tailed)	.221
Exact Sig. [2*(1-tailed Sig.)]	.310 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Perlakuan