Lampiran

ASWORTH

Uji normalitas

Tests of Normality[b]

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
perlakuan 1 sebelum	.319	6	.056	.683	6	.004
perlakuan 1 sesudah	.319	6	.056	.683	6	.004
perlakuan 2 sebelum	.319	6	.056	.683	6	.004
perlakuan 2 sesudah	.407	6	.002	.640	6	.001
perlakuan 2 selisih	.492	6	.000	.496	6	.000

a. Lilliefors Significance Correction

b. perlakuan 1 selisih is constant. It has been omitted.

UJI HOMOGENITAS

Group Statistics

	kelompok	N	Mean	Std. Deviation	Std. Error Mean

perlakuan 1 sebelum	1	6	2.5000	.54772	.22361
	2	5	2.6000	.54772	.24495

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
perlakuan 1 sebelum	Equal variances assumed	.205	.662	-.302	9	.770	-.10000	.33166	-.85027	.65027
	Equal variances not assumed			-.302	8.643	.770	-.10000	.33166	-.85503	.65503

UJI HIPOTESIS 1

Ranks

		N	Mean Rank	Sum of Ranks
perlakuan 1 sesudah - perlakuan 1 sebelum	Negative Ranks	0[a]	.00	.00
	Positive Ranks	0[b]	.00	.00
	Ties	6[c]		
	Total	6		

a. perlakuan 1 sesudah < perlakuan 1 sebelum

b. perlakuan 1 sesudah > perlakuan 1 sebelum

c. perlakuan 1 sesudah = perlakuan 1 sebelum

Test Statistics[b]

	perlakuan 1 sesudah - perlakuan 1 sebelum
Z	.000[a]
Asymp. Sig. (2-tailed)	1.000

a. The sum of negative ranks equals the sum of positive ranks.

b. Wilcoxon Signed Ranks Test

UJI HIPOTESIS 2

Ranks

		N	Mean Rank	Sum of Ranks
perlakuan 2 sesudah - perlakuan 2 sebelum	Negative Ranks	6[a]	3.50	21.00
	Positive Ranks	0[b]	.00	.00
	Ties	0[c]		
	Total	6		

a. perlakuan 2 sesudah < perlakuan 2 sebelum

b. perlakuan 2 sesudah > perlakuan 2 sebelum

c. perlakuan 2 sesudah = perlakuan 2 sebelum

Test Statistics[b]

	perlakuan 2 sesudah - perlakuan 2 sebelum
Z	-2.333[a]
Asymp. Sig. (2-tailed)	.020

a. Based on positive ranks.

Test Statistics[b]

	perlakuan 2 sesudah - perlakuan 2 sebelum
Z	-2.333[a]
Asymp. Sig. (2-tailed)	.020

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

HIPOTESIS 3

Ranks

		N	Mean Rank	Sum of Ranks
perlakuan 2 selisih - perlakuan 1 selisih	Negative Ranks	0[a]	.00	.00
	Positive Ranks	6[b]	3.50	21.00
	Ties	0[c]		
	Total	6		

a. perlakuan 2 selisih < perlakuan 1 selisih

b. perlakuan 2 selisih > perlakuan 1 selisih

c. perlakuan 2 selisih = perlakuan 1 selisih

Test Statistics[b]

	perlakuan 2 selisih - perlakuan 1 selisih
Z	-2.333[a]
Asymp. Sig. (2-tailed)	.020

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

GONIOMETER

UJI NORMALITAS

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
perlakuan 1 sebelum	.281	6	.152	.847	6	.150
perlakuan 1 sesudah	.270	6	.194	.837	6	.123
perlakuan 1 selisih	.293	6	.117	.822	6	.091
perlakuan 2 sebelum	.362	6	.013	.745	6	.018
perlakuan 2 sesudah	.365	6	.012	.744	6	.017
perlakuan 2 selisih	.209	6	.200[*]	.907	6	.415

a. Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
perlakuan 1 sebelum	.281	6	.152	.847	6	.150
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perlakuan 2 sebelum	.362	6	.013	.745	6	.018
perlakuan 2 sesudah	.365	6	.012	.744	6	.017
perlakuan 2 selisih	.209	6	.200[*]	.907	6	.415

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

UJI HOMOGENITAS

Group Statistics

	kelompok	N	Mean	Std. Deviation	Std. Error Mean
perlakuan 1 sebelum	1	6	1.4567E2	15.93319	6.50470
	2	6	1.4367E2	18.23915	7.44610

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
							Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)			Lower	Upper
perlakuan 1 sebelum	Equal variances assumed	.051	.826	.202	10	.844	2.00000	9.88714	-20.02992	24.02992
	Equal variances not assumed			.202	9.823	.844	2.00000	9.88714	-20.08394	24.08394

UJI HIPOTESIS 1

Ranks

		N	Mean Rank	Sum of Ranks
perlakuan 1 sesudah - perlakuan 1 sebelum	Negative Ranks	1[a]	2.50	2.50
	Positive Ranks	5[b]	3.70	18.50
	Ties	0[c]		
	Total	6		

a. perlakuan 1 sesudah < perlakuan 1 sebelum

b. perlakuan 1 sesudah > perlakuan 1 sebelum

c. perlakuan 1 sesudah = perlakuan 1 sebelum

Test Statistics[b]

	perlakuan 1 sesudah - perlakuan 1 sebelum
Z	-1.701[a]
Asymp. Sig. (2-tailed)	.089

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

UJI HIPOTESIS 2

Ranks

		N	Mean Rank	Sum of Ranks
perlakuan 2 sesudah - perlakuan 2 sebelum	Negative Ranks	0[a]	.00	.00
	Positive Ranks	6[b]	3.50	21.00
	Ties	0[c]		
	Total	6		

a. perlakuan 2 sesudah < perlakuan 2 sebelum

b. perlakuan 2 sesudah > perlakuan 2 sebelum

c. perlakuan 2 sesudah = perlakuan 2 sebelum

Test Statistics[b]

	perlakuan 2 sesudah - perlakuan 2 sebelum
Z	-2.226[a]
Asymp. Sig. (2-tailed)	.026

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

UJI HIPOTESIS 3

Ranks

		N	Mean Rank	Sum of Ranks
perlakuan 2 selisih - perlakuan 1 selisih	Negative Ranks	0[a]	.00	.00
	Positive Ranks	6[b]	3.50	21.00
	Ties	0[c]		
	Total	6		

a. perlakuan 2 selisih < perlakuan 1 selisih

b. perlakuan 2 selisih > perlakuan 1 selisih

c. perlakuan 2 selisih = perlakuan 1 selisih

Test Statistics[b]

	perlakuan 2 selisih - perlakuan 1 selisih
Z	-2.214[a]
Asymp. Sig. (2-tailed)	.027

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test