

Lampiran 2 : Data SPSS

UJI NORMALITAS ROM

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
sebelum1	,205	8	,200*	,857	8	,112
sesudah1	,317	8	,018	,734	8	,005
selisih1	,284	8	,057	,867	8	,142
sebelum2	,314	8	,020	,788	8	,021
sesudah2	,239	8	,200*	,899	8	,285
selisih2	,379	8	,001	,723	8	,004

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

a. Lilliefors Significance Correction

UJI HOMOGENITAS ROM

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
sebelum1	Equal variances assumed	,000	1,000	-,295	14	,772	-,50000	1,69427	-4,13384	3,13384
	Equal variances not assumed			-,295	13,879	,772	-,50000	1,69427	-4,13681	3,13681

UJI HIPOTESIS I ROM

Test Statistics^a

	Sesudah1–sebelum1
Z	-2,555 ^b
Asymp. Sig. (2-tailed)	,011

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

UJI HIPOTESIS II ROM

Test Statistics^a

	Sesudah2 – sebelum2
Z	-3,541 ^b
Asymp. Sig. (2-tailed)	,000

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

UJI HIPOTESIS III ROM

Test Statistics^a

	selisih1
Mann-Whitney U	9,000
Wilcoxon W	45,000
Z	-2,492
Asymp. Sig. (2-tailed)	,013
Exact Sig. [2*(1-tailed Sig.)]	,015 ^b

a. Grouping Variable: sampel

b. Not corrected for ties.

UJI NORMALTAS KURVA THORAKAL

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Sebelum1	,324	8	,013	,700	8	,002
Sesudah1	,295	8	,039	,856	8	,109
Selisah1	,205	8	,200*	,916	8	,401
Sebelum2	,236	8	,200*	,849	8	,093
Sesudah2	,240	8	,196	,913	8	,373
Selisah2	,360	8	,003	,657	8	,001

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

a. Lilliefors Significance Correction

Uji Homogenitas

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	
sebelum1	Equal variances assumed	,983	,338	-1,232	14	,238	-3,04250	2,46962	-8,33930	2,25430
	Equal variances not assumed			-1,232	12,11	,241	-3,04250	2,46962	-8,41764	2,33264

Uji Hipotesis I

Test Statistics^a

	Sesudah1 - Sebelum1
Z	-3,516 ^b
Asymp. Sig. (2-tailed)	,012

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

Uji Hipotesis II

Test Statistics^a

	Sesudah2 - Sebelum2
Z	-2,521 ^b
Asymp. Sig. (2-tailed)	,000

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

Uji Hipotesis III

Ranks

	Sampel	N	Mean Rank	Sum of Ranks
selisih1	1,00	8	6,50	52,00
	2,00	8	10,50	84,00
	Total	16		
selisih2	1,00	8	4,50	36,00
	2,00	0 ^a	,00	,00
	Total	8		

a. Mann-Whitney Test cannot be performed on empty groups.

Test Statistics^a

	selisih1
Mann-Whitney U	16,000
Wilcoxon W	52,000
Z	-1,680
Asymp. Sig. (2-tailed)	,039
Exact Sig. [2*(1-tailed Sig.)]	,105 ^b

a. Grouping Variable: Sampel

b. Not corrected for ties.