

LAMPIRAN

Lampiran 1 Uji Statistik

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
sebelum1	,199	12	,200*	,860	12	,049
sesudah1	,188	12	,200*	,942	12	,528
selisih1	,181	12	,200*	,918	12	,268
sebelum2	,256	12	,029	,819	12	,015
sesudah2	,189	12	,200*	,896	12	,139
selisih2	,202	12	,189	,921	12	,296

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

a. Lilliefors Significance Correction

Lampiran 2 Uji Homogenitas

Independent Samples Test								
	Levene's Test for Equality of Variances		t-test for Equality of Means					
	Equality of Variances		df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
	F	Sig.					Lower	Upper
sebelum1dan2	Equal variances assumed	3,311	,082	-1,948	22	,064	-3,00250	1,54133 -6,19901 ,19401
	Equal variances not assumed			-1,948	20,043	,066	-3,00250	1,54133 -6,21720 ,21220

Lampiran 3 Uji Hipotesis (Wilcoxon singed rank test) I

Uji Hipotesis I

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
sebelum1	12	31,3417	3,13058	27,15	35,10
sesudah1	12	42,0283	3,72437	37,07	49,67

Test Statistics^a

sesudah1 -	
	sebelum1
Z	-3,059 ^b
Asymp. Sig. (2-tailed)	,002

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

Lampiran 5 Uji Hipotesis II (Wilcoxon singed rank test)

Uji Hipotesis II

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
sebelum2	12	34,3442	4,32524	29,45	40,06
sesudah2	12	46,8933	6,23118	39,08	55,93

Test Statistics ^a	
	sesudah2 - sebelum2
Z	-3,059 ^b
Asymp. Sig. (2-tailed)	,002

a. Wilcoxon Signed Ranks Test
b. Based on negative ranks.

Lampiran 3 Uji Hipotesis III (Independent sample T-test)

Uji Hipotesis III

Group Statistics					
	kelompok1dan2	N	Mean	Std. Deviation	Std. Error Mean
selisih1dan2	1	12	10,6825	2,46150	,71058
	2	12	12,7733	2,61517	,75494

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
selisih1dan2	Equal variances assumed	,034	,855	-2,017	22	,056	-2,09083	1,03675	-4,24092 ,05925
	Equal variances not assumed			-2,017	21,920	,056	-2,09083	1,03675	-4,24137 ,05970