

Hasil Pengolahan Data SPSS

Deskriptif Data SPSS

Uji Normalitas Kelompok Perlakuan I

Descriptives				
			Statistic	Std. Error
Sebelum1	Mean		11.0000	.40825
	95% Confidence Interval for Mean	Lower Bound	10.0586	
		Upper Bound	11.9414	
	5% Trimmed Mean		11.0556	
	Median		11.0000	
	Variance		1.500	
	Std. Deviation		1.22474	
	Minimum		9.00	
	Maximum		12.00	
	Range		3.00	
	Interquartile Range		2.00	
	Skewness		-1.050	.717
	Kurtosis		-.286	1.400
	Sesudah1	Mean		16.0000
95% Confidence Interval for Mean		Lower Bound	14.7253	
		Upper Bound	17.2747	
5% Trimmed Mean			16.0556	
Median			17.0000	
Variance			2.750	
Std. Deviation			1.65831	
Minimum			13.00	
Maximum			18.00	
Range			5.00	
Interquartile Range			2.50	
Skewness			-.846	.717
Kurtosis			-.392	1.400
Selisih1		Mean		5.0000
	95% Confidence Interval for Mean	Lower Bound	4.4565	
		Upper Bound	5.5435	

5% Trimmed Mean	5.0000	
Median	5.0000	
Variance	.500	
Std. Deviation	.70711	
Minimum	4.00	
Maximum	6.00	
Range	2.00	
Interquartile Range	1.00	
Skewness	.000	.717
Kurtosis	-.286	1.400

Shapiro-Wilk Test

Tests of Normality						
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Sebelum1	.278	9	.044	.766	9	.008
Sesudah1	.282	9	.037	.883	9	.169
Selisih1	.278	9	.044	.833	9	.049

a. Lilliefors Significance Correction

Uji Normalitas Kelompok perlakuan II

Descriptives				
			Statistic	Std. Error
Sebelum2	Mean		10.8889	.48432
	95% Confidence Interval for Mean		Lower Bound	9.7720
			Upper Bound	12.0057
	5% Trimmed Mean		10.8765	
	Median		11.0000	
	Variance		2.111	
	Std. Deviation		1.45297	
	Minimum		9.00	
	Maximum		13.00	
	Range		4.00	
	Interquartile Range		2.50	

	Skewness		-.071	.717
	Kurtosis		-1.498	1.400
Sesudah2	Mean		14.1111	.35136
	95% Confidence Interval for Mean	Lower Bound	13.3009	
		Upper Bound	14.9214	
	5% Trimmed Mean		14.1790	
	Median		14.0000	
	Variance		1.111	
	Std. Deviation		1.05409	
	Minimum		12.00	
	Maximum		15.00	
	Range		3.00	
	Interquartile Range		1.50	
	Skewness		-1.094	.717
	Kurtosis		.611	1.400
	Selisih2	Mean		3.3333
95% Confidence Interval for Mean		Lower Bound	2.9490	
		Upper Bound	3.7177	
5% Trimmed Mean			3.3148	
Median			3.0000	
Variance			.250	
Std. Deviation			.50000	
Minimum			3.00	
Maximum			4.00	
Range			1.00	
Interquartile Range			1.00	
Skewness			.857	.717
Kurtosis			-1.714	1.400

Shapiro-Wilk Test

Tests of Normality						
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Sebelum2	.222	9	.200*	.907	9	.296
Sesudah2	.245	9	.127	.825	9	.039
Selisih2	.414	9	.000	.617	9	.000
*. This is a lower bound of the true significance.						
a. Lilliefors Significance Correction						

Uji Homogenitas

Levene's Test

Test of Homogeneity of Variances

Stopwatch

Levene Statistic	df1	df2	Sig.
1.067	1	16	.317

ANOVA

ANOVA					
Stopwatch					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.056	1	.056	.031	.863
Within Groups	28.889	16	1.806		
Total	28.944	17			

Uji Hipotesis I

Wilcoxon Signed Ranks Test

Ranks				
		N	Mean Rank	Sum of Ranks
Pre_Test - Post_Test	Negative Ranks	0 ^a	.00	.00
	Positive Ranks	9 ^b	5.00	45.00
	Ties	0 ^c		
	Total	9		
a. Pre_Test < Post_Test				
b. Pre_Test > Post_Test				
c. Pre_Test = Post_Test				

Test Statistics ^a	
	Pre_Test - Post_Test
Z	-2.719 ^b
Asymp. Sig. (2-tailed)	.007
a. Wilcoxon Signed Ranks Test	
b. Based on negative ranks.	

Uji Hipotesis II

Wilcoxon Signed Ranks Test

Ranks				
		N	Mean Rank	Sum of Ranks
Pos_tes - Pre_tes	Negative Ranks	0 ^a	.00	.00
	Positive Ranks	9 ^b	5.00	45.00
	Ties	0 ^c		
	Total	9		
a. Pos_tes < Pre_tes				
b. Pos_tes > Pre_tes				
c. Pos_tes = Pre_tes				

Test Statistics ^a	
	Pos_tes - Pre_tes
Z	-2.724 ^b
Asymp. Sig. (2-tailed)	.006
a. Wilcoxon Signed Ranks Test	
b. Based on negative ranks.	

Uji Hipotesis III

Mann-Whitney Test

Ranks				
	Kp	N	Mean Rank	Sum of Ranks
Stopwath	Kp1	9	12.33	111.00
	Kp2	9	6.67	60.00
	Tota l	18		

Test Statistics ^a	
	Stopwath h
Mann-Whitney U	15.000
Wilcoxon W	60.000
Z	-2.301
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.024 ^b
a. Grouping Variable: Kp	
b. Not corrected for ties.	