

**Descriptives**

		Statistic	Std. Error	
sebeluml	Mean	25.29	1.392	
	95% Confidence Interval for Mean	Lower Bound	21.88	
		Upper Bound	28.69	
	5% Trimmed Mean	25.43		
	Median	25.00		
	Variance	13.571		
	Std. Deviation	3.684		
	Minimum	18		
	Maximum	30		
	Range	12		
	Interquartile Range	2		
	Skewness	-1.269	.794	
	Kurtosis	3.034	1.587	
	sesudahl	Mean	14.14	.670
95% Confidence Interval for Mean		Lower Bound	12.50	
		Upper Bound	15.78	
5% Trimmed Mean		13.99		
Median		14.00		
Variance		3.143		
Std. Deviation		1.773		
Minimum		13		
Maximum		18		
Range		5		
Interquartile Range		1		
Skewness		2.215	.794	
Kurtosis		5.299	1.587	
selisihl		Mean	11.14	1.100
	95% Confidence Interval for Mean	Lower Bound	8.45	
		Upper Bound	13.84	
	5% Trimmed Mean	11.33		
	Median	12.00		
	Variance	8.476		

	Std. Deviation		2.911	
	Minimum		5	
	Maximum		14	
	Range		9	
	Interquartile Range		2	
	Skewness		-1.899	.794
	Kurtosis		4.366	1.587
sebelumII	Mean		27.29	.778
	95% Confidence Interval for Mean	Lower Bound	25.38	
		Upper Bound	29.19	
	5% Trimmed Mean		27.26	
	Median		27.00	
	Variance		4.238	
	Std. Deviation		2.059	
	Minimum		25	
	Maximum		30	
	Range		5	
	Interquartile Range		5	
	Skewness		.429	.794
	Kurtosis		-1.161	1.587
sesudahII	Mean		11.14	.404
	95% Confidence Interval for Mean	Lower Bound	10.15	
		Upper Bound	12.13	
	5% Trimmed Mean		11.10	
	Median		11.00	
	Variance		1.143	
	Std. Deviation		1.069	
	Minimum		10	
	Maximum		13	
	Range		3	
	Interquartile Range		2	
	Skewness		.772	.794
	Kurtosis		.263	1.587
selisihII	Mean		16.14	.962
	95% Confidence Interval for Mean	Lower Bound	13.79	

Mean	Upper Bound	18.50	
5% Trimmed Mean		16.05	
Median		15.00	
Variance		6.476	
Std. Deviation		2.545	
Minimum		14	
Maximum		20	
Range		6	
Interquartile Range		5	
Skewness		.713	.794
Kurtosis		-1.467	1.587

## UJI NORMALITAS

Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
sebelumI	.326	7	.023	.859	7	.150
sesudahI	.389	7	.002	.672	7	.002
selisihI	.338	7	.016	.794	7	.036
sebelumII	.269	7	.134	.843	7	.107
sesudahII	.267	7	.140	.894	7	.294
selisihII	.245	7	.200*	.829	7	.079

a. Lilliefors Significance Correction

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

# 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
sebeluml Equal variances assumed	.485	.500	1.254	12	.234	-2.000	1.595	-5.475	1.475
Equal variances not assumed			1.254	9.414	.240	-2.000	1.595	-5.584	1.584

## HIPOTESIS I (WILCOXON SIGNED RANKS TEST)

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

	sesudahl - sebeluml
Z	-2.375 <sup>a</sup>
Asymp. Sig. (2-tailed)	.018

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

## HIPOTESIS II (T-TEST RELATED)

Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 sebelumII - sesudahII	16.143	2.545	.962	13.789	18.496	16.783	6	.000

## HIPOTESIS III (MANN-WHITNEY U)

Test Statistics<sup>b</sup>

	selisihI
Mann-Whitney U	1.500
Wilcoxon W	29.500
Z	-2.978
Asymp. Sig. (2-tailed)	.003
Exact Sig. [2*(1-tailed Sig.)]	.001 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: VAR00001