

**Statistics**

		nilai test sebelum 1	nilai test sesudah 1	nilai test selisih 1	nilai test sebelum 2	nilai test sesudah 2	nilai test selisih 2
N	Valid	14	14	14	14	14	14
	Missing	14	14	14	14	14	14
Mean		<b>25,86</b>	<b>35,64</b>	<b>9,79</b>	<b>24,93</b>	<b>32,14</b>	<b>7,21</b>
Std. Error of Mean		1,305	1,455	,434	1,170	1,338	,350
Median		<b>25,50</b>	<b>34,50</b>	<b>10,00</b>	<b>24,00</b>	<b>30,50</b>	<b>7,00</b>
Mode		20	41	9	20	30	7
Std. Deviation		<b>4,881</b>	<b>5,444</b>	<b>1,626</b>	<b>4,376</b>	<b>5,005</b>	<b>1,311</b>
Minimum		20	28	6	20	26	4
Maximum		34	44	12	32	41	9
Sum		362	499	137	349	450	101

**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
nilai test sebelum 1	,171	14	,200 <sup>*</sup>	,906	14	<b>,139</b>
nilai test sesudah 1	,145	14	,200 <sup>*</sup>	,931	14	<b>,312</b>
nilai test selisih 1	,172	14	,200 <sup>*</sup>	,930	14	<b>,301</b>
nilai test sebelum 2	,162	14	,200 <sup>*</sup>	,886	14	<b>,072</b>
nilai test sesudah 2	,233	14	,038	,899	14	<b>,108</b>
nilai test selisih 2	,221	14	,063	,902	14	<b>,119</b>

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

a. Lilliefors Significance Correction

**Descriptives**

		Statistic	Std. Error	
nilai test sebelum 1	Mean	25,86	1,305	
	95% Confidence Interval for Mean	Lower Bound	23,04	
		Upper Bound	28,68	
	5% Trimmed Mean	25,73		
	Median	25,50		
	Variance	23,824		
	Std. Deviation	4,881		
	Minimum	20		
	Maximum	34		
	Range	14		
	Interquartile Range	10		
	Skewness	,180	,597	
	Kurtosis	-1,288	1,154	
nilai test sesudah 1	Mean	35,64	1,455	
	95% Confidence Interval for Mean	Lower Bound	32,50	
		Upper Bound	38,79	
	5% Trimmed Mean	35,60		
	Median	34,50		
	Variance	29,632		
	Std. Deviation	5,444		
	Minimum	28		
	Maximum	44		
	Range	16		
	Interquartile Range	10		
	Skewness	,164	,597	
	Kurtosis	-1,483	1,154	
nilai test selisih 1	Mean	9,79	,434	
	95% Confidence Interval for Mean	Lower Bound	8,85	
		Upper Bound	10,72	
	5% Trimmed Mean	9,87		
	Median	10,00		
	Variance	2,643		
	Std. Deviation	1,626		
	Minimum	6		

	Maximum		12	
	Range		6	
	Interquartile Range		2	
	Skewness		-,726	,597
	Kurtosis		,919	1,154
nilai test sebelum 2	Mean		24,93	1,170
	95% Confidence Interval for Mean	Lower Bound	22,40	
		Upper Bound	27,46	
	5% Trimmed Mean		24,81	
	Median		24,00	
	Variance		19,148	
	Std. Deviation		4,376	
	Minimum		20	
	Maximum		32	
	Range		12	
	Interquartile Range		10	
	Skewness		,358	,597
	Kurtosis		-1,297	1,154
nilai test sesudah 2	Mean		32,14	1,338
	95% Confidence Interval for Mean	Lower Bound	29,25	
		Upper Bound	35,03	
	5% Trimmed Mean		31,99	
	Median		30,50	
	Variance		25,055	
	Std. Deviation		5,005	
	Minimum		26	
	Maximum		41	
	Range		15	
	Interquartile Range		10	
	Skewness		,640	,597
	Kurtosis		-,937	1,154
nilai test selisih 2	Mean		7,21	,350
	95% Confidence Interval for Mean	Lower Bound	6,46	
		Upper Bound	7,97	
	5% Trimmed Mean		7,29	
	Median		7,00	
	Variance		1,720	

Std. Deviation	1,311	
Minimum	4	
Maximum	9	
Range	5	
Interquartile Range	1	
Skewness	-,936	,597
Kurtosis	1,661	1,154

### UjiHomogenitas

#### 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
nilai test sebelum 1 dan 2	Equal variances assumed	,164	<b>,689</b>	,530	26	,601	,929	1,752	-2,673	4,530
	Equal variances not assumed			,530	25,696	,601	,929	1,752	-2,675	4,532

### UjiHipotesis 1&2

#### 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	nilai test sebelum 1 - nilai test sesudah 1	-9,786	1,626	,434	-10,724	-8,847	-22,523	13	,000
Pair 2	nilai test sebelum 2 - nilai test sesudah 2	-7,214	1,311	,350	-7,971	-6,457	-20,584	13	,000

### UjiHipotesis 3

#### 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
nilai selisih test 1 dan 2	Equal variances assumed	,671	,420	4,606	26	,000	2,571	,558	1,424	3,719
	Equal variances not assumed			4,606	24,886	,000	2,571	,558	1,421	3,721

**Test of Homogeneity of Variance**

		Levene Statistic	df1	df2	Sig.
nilai test sebelum 1 dan 2	Based on Mean	.164	1	26	<b>.689</b>
	Based on Median	.257	1	26	.616
	Based on Median and with adjusted df	.257	1	25.997	.616
	Based on trimmed mean	.177	1	26	.678
nilai test sesudah 1 dan 2	Based on Mean	.363	1	26	<b>.552</b>
	Based on Median	.437	1	26	.514
	Based on Median and with adjusted df	.437	1	24.920	.514
	Based on trimmed mean	.398	1	26	.533