LAMPIRAN

Data statistik

Statistics

		Nilai pengukuran sebelum perlakuan 1	Nilai pengukuruan sesudah perlakuan 1	Nilai pengukuran selisih perlakuan 1	Nilai pengukuran sebelum perlakuan 2	Nilai pengukuran sesudah perlakuan 2	Nilai pengukuran selisih perlakuan 2
N	Valid	10	10	10	10	10	10
	Missing	10	10	10	10	10	10
Mean		11.9390	14.1930	2.2540	12.2740	16.0310	3.7570
Std. Error of Mean		.42144	.65224	.27565	.42545	.65327	.36909
Median		11.5800	13.5950	2.1600	12.6500	15.3650	3.4200
Mode		10.27[a]	12.00[a]	.62[a]	10.50[a]	13.48[a]	2.45[a]
Std. Deviation		1.33272	2.06257	.87169	1.34538	2.06583	1.16716
Minimum		10.27	12.00	.62	10.50	13.48	2.45
Maximum		14.37	17.75	3.74	14.24	19.50	6.14
Sum		119.39	141.93	22.54	122.74	160.31	37.57

a. Multiple modes exist. The smallest value is shown

Uji Normalitas

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Nilai pengukuran sebelum perlakuan 1	.163	10	.200[*]	.950	10	.665
Nilai pengukuruan sesudah perlakuan 1	.164	10	.200[*]	.896	10	.197
Nilai pengukuran selisih perlakuan 1	.179	10	.200[*]	.948	10	.650
Nilai pengukuran sebelum perlakuan 2	.173	10	.200[*]	.910	10	.281
Nilai pengukuran sesudah perlakuan 2	.214	10	.200[*]	.915	10	.320
Nilai pengukuran selisih perlakuan 2	.190	10	.200[*]	.894	10	.189

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						
							Mean	Std. Error	95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Difference	Difference	Lower	Upper
Nilai sebelum perlakuan 1 dan 2	Equal variances assumed	.066	.800	-.559	18	.583	-.33500	.59885	-1.59313	.92313
	Equal variances not assumed			-.559	17.998	.583	-.33500	.59885	-1.59314	.92314

Uji Hipotesis 1 dan 2

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper	t	df	Sig. (2-tailed)
Pair 1	Nilai pengukuran sebelum perlakuan 1 - Nilai pengukuruan sesudah perlakuan 1	-2.25400	.87169	.27565	-2.87757	-1.63043	-8.177	9	.000
Pair 2	Nilai pengukuran sebelum perlakuan 2 - Nilai pengukuran sesudah perlakuan 2	-3.75700	1.16716	.36909	-4.59194	-2.92206	-10.179	9	.000

Uji Hipotesis 3

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
							Mean	Std. Error	95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Difference	Difference	Lower	Upper
Nilai selisih perlakuan 1 dan 2	Equal variances assumed	1.135	.301	-3.263	18	.004	-1.50300	.46066	-2.47082	-.53518
	Equal variances not assumed			-3.263	16.658	.005	-1.50300	.46066	-2.47644	-.52956