

Frequencies

[DataSet1] c:\Users\ryan\Documents\data spss\data spss.sav

Statistics

		nilai insentive spirometer sebelum perlakuan1	nilai insentive spirometer sesudah perlakuan 1	nilai insentive spirometer selisih	nilai insentive spirometer sebelum perlakuan 2	nilai insentive spirometer sesudah perlakuan 2	nilai insentive spirometer selisih perlakuan2
N	Valid	10	10	10	10	10	10
	Missing	10	10	10	10	10	10
Mean		2740.00	4870.00	2130.00	2440.00	3940.00	1500.00
Median		2750.00	4800.00	2250.00	2550.00	4150.00	1500.00
Std. Deviation		508.156	503.433	326.769	634.560	846.168	380.058
Range		1600	1400	900	1700	2500	1100
Minimum		2000	4200	1700	1600	2500	900
Maximum		3600	5600	2600	3300	5000	2000

Uji normalitas

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
nilai insentive spirometer sebelum perlakuan1	.124	10	.200*	.969	10	.885
nilai insentive spirometer sesudah perlakuan 1	.155	10	.200*	.926	10	.407
nilai insentive spirometer selisih	.199	10	.200*	.897	10	.202
nilai insentive spirometer sebelum perlakuan 2	.156	10	.200*	.921	10	.369
nilai insentive spirometer sesudah perlakuan 2	.167	10	.200*	.920	10	.355
nilai insentive spirometer selisih perlakuan2	.106	10	.200*	.953	10	.701

a. Lilliefors Significance Correction

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



Tes homogenitas T-Test

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Group Statistics

	perlakuan 1 atau perlakuan 2	N	Mean	Std. Deviation	Std. Error Mean
nilai selisih insentive perlakuan 1 dan nilai selisih peak flow perlakuan 2	1	10	2130.00	326.769	103.333
	2	10	1500.00	380.058	120.185

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 insentive perlakuan 1 dan nilai selisih peak flow perlakuan 2	Equal variances assumed	.271	.609	3.975	18	.001	630.000	158.500	297.004	962.996
	Equal variances not assumed			3.975	17.604	.001	630.000	158.500	296.467	963.533



Hipotesis 1

T-Test

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Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 nilai insentive spirometer sebelum perlakuan 2	2440.00	10	634.560	200.666
nilai insentive spirometer sesudah perlakuan 2	3940.00	10	846.168	267.582

Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 nilai insentive spirometer sebelum perlakuan 2 & nilai insentive spirometer sesudah perlakuan 2	10	.907	.000

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 insentive spirometer sebelum perlakuan 2 - nilai insentive spirometer sesudah perlakuan 2	-1.500E3	380.058	120.185	-1771.877	-1228.123	-12.481	9	.000

Hipotesis 2 T-Test

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Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	nilai insentive spirometer sebelum perlakuan1	2740.00	10	508.156	160.693
	nilai insentive spirometer sesudah perlakuan 1	4870.00	10	503.433	159.199

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	nilai insentive spirometer sebelum perlakuan1 & nilai insentive spirometer sesudah perlakuan 1	10	.791	.006

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 insentive spirometer sebelum perlakuan1 - nilai insentive spirometer sesudah perlakuan 1	-2.130E3	326.769	103.333	-2363.756	-1896.244	-20.613	9	.000

Uji Hipotesis 3
T-Test

Group Statistics

	perlakuan 1 atau perlakuan 2	N	Mean	Std. Deviation	Std. Error Mean
nilai selisih insentive perlakuan 1 dan nilai selisih peak flow perlakuan 2	1	10	2130.00	326.769	103.333
	2	10	1500.00	380.058	120.185

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 insentive perlakuan 1 dan nilai selisih peak flow perlakuan 2	Equal variances assumed	.271	.609	3.975	18	.001	630.000	158.500	297.004	962.996
	Equal variances not assumed			3.975	17.604	.001	630.000	158.500	296.467	963.533