

Lampiran 1

Proses Pemeriksaan Kadar Vitamin E (*Tokoferol*)

Alat : ekstraktor shacker



Alat : spektrofotometer UV



Lampiran 3

Uji statistika dengan program SPSS versi 16
UJI NORMALITAS

Case Processing Summary

	Perlakuan	Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
Sample	25	5	100.0%	0	.0%	5	100.0%
	50	5	100.0%	0	.0%	5	100.0%
	75	5	100.0%	0	.0%	5	100.0%
	100	5	100.0%	0	.0%	5	100.0%
	125	5	100.0%	0	.0%	5	100.0%

Descriptives

Perlakuan			Statistic	Std. Error
Sample	25	Mean	76.2980	.49317
		95% Confidence Interval for Mean		
		Lower Bound	74.9287	
		Upper Bound	77.6673	
		5% Trimmed Mean	76.3272	
		Median	76.7500	
		Variance	1.216	
		Std. Deviation	1.10276	
		Minimum	74.82	
		Maximum	77.25	
		Range	2.43	
		Interquartile Range	2.10	
		Skewness	-.652	.913
		Kurtosis	-2.189	2.000
	50	Mean	59.9120	.76023
		95% Confidence Interval for Mean		
		Lower Bound	57.8013	
		Upper Bound	62.0227	
		5% Trimmed Mean	59.9283	
		Median	60.6800	
		Variance	2.890	
		Std. Deviation	1.69993	
		Minimum	57.73	
		Maximum	61.80	

	Range		4.07	
	Interquartile Range		3.16	
	Skewness		-.427	.913
	Kurtosis		-2.045	2.000
75	Mean		45.2260	.45869
	95% Confidence Interval for Mean	Lower Bound	43.9525	
		Upper Bound	46.4995	
	5% Trimmed Mean		45.2000	
	Median		45.3200	
	Variance		1.052	
	Std. Deviation		1.02566	
	Minimum		44.20	
	Maximum		46.72	
	Range		2.52	
	Interquartile Range		1.88	
	Skewness		.608	.913
	Kurtosis		-.379	2.000
100	Mean		18.3120	.46993
	95% Confidence Interval for Mean	Lower Bound	17.0073	
		Upper Bound	19.6167	
	5% Trimmed Mean		18.3044	
	Median		18.3200	
	Variance		1.104	
	Std. Deviation		1.05079	
	Minimum		17.25	
	Maximum		19.51	
	Range		2.26	
	Interquartile Range		2.09	
	Skewness		.044	.913
	Kurtosis		-2.784	2.000
125	Mean		12.7140	.50814
	95% Confidence Interval for Mean	Lower Bound	11.3032	
		Upper Bound	14.1248	
	5% Trimmed Mean		12.6911	
	Median		12.4900	
	Variance		1.291	
	Std. Deviation		1.13624	

Minimum	11.56	
Maximum	14.28	
Range	2.72	
Interquartile Range	2.17	
Skewness	.546	.913
Kurtosis	-1.460	2.000

Tests of Normality

Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Sample 25	.259	5	.200*	.857	5	.219
50	.274	5	.200*	.913	5	.484
75	.209	5	.200*	.924	5	.556
100	.237	5	.200*	.875	5	.286
125	.187	5	.200*	.936	5	.639

a. Lilliefors Significance Correction

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

Onewa

Descriptives

Sample	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
25	5	76.2980	1.10276	.49317	74.9287	77.6673	74.82	77.25
50	5	59.9120	1.69993	.76023	57.8013	62.0227	57.73	61.80
75	5	45.2260	1.02566	.45869	43.9525	46.4995	44.20	46.72
100	5	18.3120	1.05079	.46993	17.0073	19.6167	17.25	19.51
125	5	12.7140	1.13624	.50814	11.3032	14.1248	11.56	14.28
Total	25	42.4924	24.71176	4.94235	32.2919	52.6929	11.56	77.25

Test of Homogeneity of Variances

Sample

Levene Statistic	df1	df2	Sig.
1.263	4	20	.317

ANOVA

Sample					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	14625.892	4	3656.473	2.421E3	.000
Within Groups	30.212	20	1.511		
Total	14656.104	24			

Multiple Comparisons

Dependent Variable: Sample

	(I) Perilaku	(J) Perilaku	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	25	50	16.38600 [*]	.77733	.000	14.0599	18.7121
		75	31.07200 [*]	.77733	.000	28.7459	33.3981
		100	57.98600 [*]	.77733	.000	55.6599	60.3121
		125	63.58400 [*]	.77733	.000	61.2579	65.9101
	50	25	-16.38600 [*]	.77733	.000	-18.7121	-14.0599
		75	14.68600 [*]	.77733	.000	12.3599	17.0121
		100	41.60000 [*]	.77733	.000	39.2739	43.9261
		125	47.19800 [*]	.77733	.000	44.8719	49.5241
	75	25	-31.07200 [*]	.77733	.000	-33.3981	-28.7459
		50	-14.68600 [*]	.77733	.000	-17.0121	-12.3599
		100	26.91400 [*]	.77733	.000	24.5879	29.2401
		125	32.51200 [*]	.77733	.000	30.1859	34.8381
	100	25	-57.98600 [*]	.77733	.000	-60.3121	-55.6599
		50	-41.60000 [*]	.77733	.000	-43.9261	-39.2739
		75	-26.91400 [*]	.77733	.000	-29.2401	-24.5879
		125	5.59800 [*]	.77733	.000	3.2719	7.9241
125	25	-63.58400 [*]	.77733	.000	-65.9101	-61.2579	
	50	-47.19800 [*]	.77733	.000	-49.5241	-44.8719	
	75	-32.51200 [*]	.77733	.000	-34.8381	-30.1859	
	100	-5.59800 [*]	.77733	.000	-7.9241	-3.2719	
LSD	25	50	16.38600 [*]	.77733	.000	14.7645	18.0075
		75	31.07200 [*]	.77733	.000	29.4505	32.6935
		100	57.98600 [*]	.77733	.000	56.3645	59.6075
		125	63.58400 [*]	.77733	.000	61.9625	65.2055
	50	25	-16.38600 [*]	.77733	.000	-18.0075	-14.7645
		75	14.68600 [*]	.77733	.000	13.0645	16.3075
		100	41.60000 [*]	.77733	.000	39.9785	43.2215
		125	47.19800 [*]	.77733	.000	45.5765	48.8195
	75	25	-31.07200 [*]	.77733	.000	-32.6935	-29.4505
		50	-14.68600 [*]	.77733	.000	-16.3075	-13.0645
		100	26.91400 [*]	.77733	.000	25.2925	28.5355
		125	32.51200 [*]	.77733	.000	30.8905	34.1335

100	25	-57.98600 [*]	.77733	.000	-59.6075	-56.3645
	50	-41.60000 [*]	.77733	.000	-43.2215	-39.9785
	75	-26.91400 [*]	.77733	.000	-28.5355	-25.2925
	125	5.59800 [*]	.77733	.000	3.9765	7.2195
125	25	-63.58400 [*]	.77733	.000	-65.2055	-61.9625
	50	-47.19800 [*]	.77733	.000	-48.8195	-45.5765
	75	-32.51200 [*]	.77733	.000	-34.1335	-30.8905
	100	-5.59800 [*]	.77733	.000	-7.2195	-3.9765

*. The mean difference is significant at the 0.05 level.

Sample

Perlakuan	N	Subset for alpha = 0.05					
		1	2	3	4	5	
Tukey HSD ^a	125	5	12.7140				
	100	5		18.3120			
	75	5			45.2260		
	50	5				59.9120	
	25	5					76.2980
	Sig.		1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,000.