

LAMPIRAN

Uji normalitas

Explore

Warnings

kebocoran is constant when bahan = SDR. It will be included in any boxplots produced but other output will be omitted.

Bahan

Case Processing Summary

bahan		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
kebocoran	SDR	8	100.0%	0	.0%	8	100.0%
	SIK	8	100.0%	0	.0%	8	100.0%
	FLOWABLE	8	100.0%	0	.0%	8	100.0%

Descriptives^a

bahan			Statistic	Std. Error
kebocoran	SIK	Mean	2.5000	.26726
		95% Confidence Interval for Mean		
		Lower Bound	1.8680	
		Upper Bound	3.1320	
		5% Trimmed Mean	2.5556	
		Median	3.0000	
		Variance	.571	

	Std. Deviation		.75593	
	Minimum		1.00	
	Maximum		3.00	
	Range		2.00	
	Interquartile Range		1.00	
	Skewness		-1.323	.752
	Kurtosis		.875	1.481
FLOWABLE	Mean		2.6250	.18298
	95% Confidence Interval for Mean	Lower Bound	2.1923	
		Upper Bound	3.0577	
	5% Trimmed Mean		2.6389	
	Median		3.0000	
	Variance		.268	
	Std. Deviation		.51755	
	Minimum		2.00	
	Maximum		3.00	
	Range		1.00	
	Interquartile Range		1.00	
	Skewness		-.644	.752
	Kurtosis		-2.240	1.481

a. kebocoran is constant when bahan = SDR. It has been omitted.

Tests of Normality^b

bahan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
kebocoran SIK	.371	8	.002	.724	8	.004
FLOWABLE	.391	8	.001	.641	8	.000

a. Lilliefors Significance Correction

b. kebocoran is constant when bahan = SDR. It has been omitted.

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
kebocoran	24	2.0417	.90790	1.00	3.00
bahan	24	2.0000	.83406	1.00	3.00

Kruskal-Wallis Test

Ranks

bahan		N	Mean Rank
kebocoran	SDR	8	5.00
	SIK	8	15.81
	FLOWABLE	8	16.69
	Total	24	

Test Statistics^{a,b}

	kebocoran
Chi-Square	15.635
df	2
Asymp. Sig.	.000

a. Kruskal Wallis Test

b. Grouping Variable: bahan

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
kebocoran	24	2.0417	.90790	1.00	3.00
bahan	24	2.0000	.83406	1.00	3.00

Mann-Whitney Test

Ranks

	bahan	N	Mean Rank	Sum of Ranks
kebocoran	SDR	8	5.00	40.00
	SIK	8	12.00	96.00
	Total	16		

Test Statistics^b

	kebocoran
Mann-Whitney U	4.000
Wilcoxon W	40.000
Z	-3.303
Asymp. Sig. (2-tailed)	.001
Exact Sig. [2*(1-tailed Sig.)]	.002 ^a

a. Not corrected for ties.

b. Grouping Variable: bahan

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
kebocoran	24	2.0417	.90790	1.00	3.00
bahan	24	2.0000	.83406	1.00	3.00

Mann-Whitney Test

Ranks

bahan		N	Mean Rank	Sum of Ranks
kebocoran	SDR	8	4.50	36.00
	FLOWABLE	8	12.50	100.00
	Total	16		

Test Statistics^b

	kebocoran
Mann-Whitney U	.000
Wilcoxon W	36.000
Z	-3.664
Asymp. Sig. (2-tailed)	.000
Exact Sig. [2*(1-tailed Sig.)]	.000 ^a

a. Not corrected for ties.

b. Grouping Variable: bahan

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
kebocoran	24	2.0417	.90790	1.00	3.00
bahan	24	2.0000	.83406	1.00	3.00

Mann-Whitney Test

Ranks

bahan		N	Mean Rank	Sum of Ranks
kebocoran	SIK	8	8.31	66.50
	FLOWABLE	8	8.69	69.50
	Total	16		

Test Statistics^b

	kebocoran
Mann-Whitney U	30.500
Wilcoxon W	66.500
Z	-.185
Asymp. Sig. (2-tailed)	.854
Exact Sig. [2*(1-tailed Sig.)]	.878 ^a

a. Not corrected for ties.

b. Grouping Variable: bahan