

LAMPIRAN 1 UJI ASUMSI DATA

1. Uji Normalitas Data

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
jam1	,198	20	,039	,913	20	,073
jam2	,157	20	,200*	,908	20	,060
jam3	,216	20	,015	,786	20	,001
jam4	,237	20	,005	,727	20	,000
jam5	,291	20	,000	,734	20	,000
jam6	,359	20	,000	,688	20	,000
jam24	,538	20	,000	,236	20	,000

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

a. Lilliefors Significance Correction

2. Uji Homogenitas Data

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
jam1	4,500	4	15	,014
jam2	8,625	4	15	,001
jam3	4,038	4	15	,020
jam4	4,402	4	15	,015
jam5	5,250	4	15	,008
jam6	4,565	4	15	,013
jam24	9,000	4	15	,001

LAMPIRAN 2

UJI NON PARAMETRIK

1. Uji Kruskal Wallis

Ranks			
perlakuan		N	Mean Rank
jam1	Kontrol Negatif	4	2,50
	Konsentrasi Ekstrak 20 %	4	8,00
	Konsentrasi Ekstrak 25 %	4	9,00
	Konsentrasi Ekstrak 30 %	4	14,50
	Kontrol Positif	4	18,50
	Total	20	
jam2	Kontrol Negatif	4	2,50
	Konsentrasi Ekstrak 20 %	4	6,75
	Konsentrasi Ekstrak 25 %	4	10,50
	Konsentrasi Ekstrak 30 %	4	14,75
	Kontrol Positif	4	18,00
	Total	20	
jam3	Kontrol Negatif	4	2,50
	Konsentrasi Ekstrak 20 %	4	6,50
	Konsentrasi Ekstrak 25 %	4	11,88
	Konsentrasi Ekstrak 30 %	4	14,63
	Kontrol Positif	4	17,00
	Total	20	
jam4	Kontrol Negatif	4	2,50
	Konsentrasi Ekstrak 20 %	4	6,75
	Konsentrasi Ekstrak 25 %	4	11,75
	Konsentrasi Ekstrak 30 %	4	15,75
	Kontrol Positif	4	15,75
	Total	20	
jam5	Kontrol Negatif	4	2,50
	Konsentrasi Ekstrak 20 %	4	7,25
	Konsentrasi Ekstrak 25 %	4	12,63

jam6	Konsentrasi Ekstrak 30 %	4	14,63
	Kontrol Positif	4	15,50
	Total	20	
	Kontrol Negatif	4	2,50
	Konsentrasi Ekstrak 20 %	4	7,75
	Konsentrasi Ekstrak 25 %	4	12,38
	Konsentrasi Ekstrak 30 %	4	14,63
jam24	Kontrol Positif	4	15,25
	Total	20	
	Kontrol Negatif	4	2,50
	Konsentrasi Ekstrak 20 %	4	9,50
	Konsentrasi Ekstrak 25 %	4	13,50
	Konsentrasi Ekstrak 30 %	4	13,50
	Kontrol Positif	4	13,50
	Total	20	

Test Statistics^{a,b}

	jam1	jam2	jam3	jam4	jam5	jam6	jam24
Chi-Square	18,455	17,816	17,055	16,320	14,213	13,385	13,537
df	4	4	4	4	4	4	4
Asymp. Sig.	,001	,001	,002	,003	,007	,010	,009

a. Kruskal Wallis Test

b. Grouping Variable: perlakuan

2. Uji Mann Whitney

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
jam1	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 20 %	4	6,50	26,00
	Total	8		
jam2	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 20 %	4	6,50	26,00
	Total	8		
jam3	Kontrol Negatif	4	2,50	10,00

	Konsentrasi Ekstrak 20 %	4	6,50	26,00
	Total	8		
jam4	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 20 %	4	6,50	26,00
	Total	8		
jam5	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 20 %	4	6,50	26,00
	Total	8		
jam6	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 20 %	4	6,50	26,00
	Total	8		
jam24	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 20 %	4	6,50	26,00
	Total	8		

Test Statistics^a

	jam1	jam2	jam3	jam4	jam5	jam6
Mann-Whitney U	,000	,000	,000	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	10,000
Z	-2,530	-2,477	-2,530	-2,494	-2,477	-2,530
Asymp. Sig. (2-tailed)	,011	,013	,011	,013	,013	,011
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b

Test Statistics^a

	jam24
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,477
Asymp. Sig. (2-tailed)	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b

- a. Grouping Variable: perlakuan
b. Not corrected for ties.

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
jam1	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 25 %	4	6,50	26,00
	Total	8		
jam2	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 25 %	4	6,50	26,00
	Total	8		
jam3	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 25 %	4	6,50	26,00
	Total	8		
jam4	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 25 %	4	6,50	26,00
	Total	8		
jam5	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 25 %	4	6,50	26,00
	Total	8		
jam6	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 25 %	4	6,50	26,00
	Total	8		
jam24	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 25 %	4	6,50	26,00
	Total	8		

Test Statistics^a

	jam1	jam2	jam3	jam4	jam5	jam6
Mann-Whitney U	,000	,000	,000	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	10,000
Z	-2,646	-2,477	-2,477	-2,460	-2,477	-2,460
Asymp. Sig. (2-tailed)	,008	,013	,013	,014	,013	,014
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b

Test Statistics^a

	jam24
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,646
Asymp. Sig. (2-tailed)	,008

Exact Sig. [2*(1-tailed Sig.)]

,029^b

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
jam1	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam2	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam3	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam4	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam5	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam6	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam24	Kontrol Negatif	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		

Test Statistics^a

	jam1	jam2	jam3	jam4	jam5	jam6
Mann-Whitney U	,000	,000	,000	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	10,000
Z	-2,530	-2,494	-2,477	-2,530	-2,477	-2,477
Asymp. Sig. (2-tailed)	,011	,013	,013	,011	,013	,013
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b

Test Statistics^a

	jam24
Mann-Whitney U	,000

Wilcoxon W	10,000
Z	-2,646
Asymp. Sig. (2-tailed)	,008
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Ranks			
	perlakuan	N	Mean Rank
jam1	Kontrol Negatif	4	2,50
	Kontrol Positif	4	6,50
	Total	8	
jam2	Kontrol Negatif	4	2,50
	Kontrol Positif	4	6,50
	Total	8	
jam3	Kontrol Negatif	4	2,50
	Kontrol Positif	4	6,50
	Total	8	
jam4	Kontrol Negatif	4	2,50
	Kontrol Positif	4	6,50
	Total	8	
jam5	Kontrol Negatif	4	2,50
	Kontrol Positif	4	6,50
	Total	8	
jam6	Kontrol Negatif	4	2,50
	Kontrol Positif	4	6,50
	Total	8	
jam24	Kontrol Negatif	4	2,50
	Kontrol Positif	4	6,50
	Total	8	

Test Statistics ^a						
	jam1	jam2	jam3	jam4	jam5	jam6
Mann-Whitney U	,000	,000	,000	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	10,000
Z	-2,530	-2,494	-2,646	-2,530	-2,494	-2,460
Asymp. Sig. (2-tailed)	,011	,013	,008	,011	,013	,014
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b

Test Statistics^a

	jam24
Mann-Whitney U	,000
Wilcoxon W	10,000
Z	-2,646
Asymp. Sig. (2-tailed)	,008
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
jam1	Konsentrasi Ekstrak 20 %	4	4,00	16,00
	Konsentrasi Ekstrak 25 %	4	5,00	20,00
	Total	8		
jam2	Konsentrasi Ekstrak 20 %	4	2,75	11,00
	Konsentrasi Ekstrak 25 %	4	6,25	25,00
	Total	8		
jam3	Konsentrasi Ekstrak 20 %	4	2,50	10,00
	Konsentrasi Ekstrak 25 %	4	6,50	26,00
	Total	8		
jam4	Konsentrasi Ekstrak 20 %	4	2,75	11,00
	Konsentrasi Ekstrak 25 %	4	6,25	25,00
	Total	8		
jam5	Konsentrasi Ekstrak 20 %	4	3,25	13,00
	Konsentrasi Ekstrak 25 %	4	5,75	23,00
	Total	8		
jam6	Konsentrasi Ekstrak 20 %	4	3,38	13,50
	Konsentrasi Ekstrak 25 %	4	5,63	22,50
	Total	8		
jam24	Konsentrasi Ekstrak 20 %	4	3,50	14,00
	Konsentrasi Ekstrak 25 %	4	5,50	22,00
	Total	8		

Test Statistics^a

	jam1	jam2	jam3	jam4	jam5	jam6
Mann-Whitney U	6,000	1,000	,000	1,000	3,000	3,500
Wilcoxon W	16,000	11,000	10,000	11,000	13,000	13,500

Z	-1,000	-2,084	-2,381	-2,084	-1,488	-1,340
Asymp. Sig. (2-tailed)	,317	,037	,017	,037	,137	,180
Exact Sig. [2*(1-tailed Sig.)]	,686 ^b	,057 ^b	,029 ^b	,057 ^b	,200 ^b	,200 ^b

Test Statistics^a

	jam24
Mann-Whitney U	4,000
Wilcoxon W	14,000
Z	-1,239
Asymp. Sig. (2-tailed)	,215
Exact Sig. [2*(1-tailed Sig.)]	,343 ^b

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
jam1	Konsentrasi Ekstrak 20 %	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam2	Konsentrasi Ekstrak 20 %	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam3	Konsentrasi Ekstrak 20 %	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam4	Konsentrasi Ekstrak 20 %	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam5	Konsentrasi Ekstrak 20 %	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam6	Konsentrasi Ekstrak 20 %	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam24	Konsentrasi Ekstrak 20 %	4	3,50	14,00
	Konsentrasi Ekstrak 30 %	4	5,50	22,00
	Total	8		

Test Statistics^a

	jam1	jam2	jam3	jam4	jam5	jam6
Mann-Whitney U	,000	,000	,000	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	10,000
Z	-2,428	-2,352	-2,381	-2,397	-2,337	-2,381
Asymp. Sig. (2-tailed)	,015	,019	,017	,017	,019	,017
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b

Test Statistics^a

	jam24
Mann-Whitney U	4,000
Wilcoxon W	14,000
Z	-1,239
Asymp. Sig. (2-tailed)	,215
Exact Sig. [2*(1-tailed Sig.)]	,343 ^b

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
jam1	Konsentrasi Ekstrak 20 %	4	2,50	10,00
	Kontrol Positif	4	6,50	26,00
	Total	8		
jam2	Konsentrasi Ekstrak 20 %	4	2,50	10,00
	Kontrol Positif	4	6,50	26,00
	Total	8		
jam3	Konsentrasi Ekstrak 20 %	4	2,50	10,00
	Kontrol Positif	4	6,50	26,00
	Total	8		
jam4	Konsentrasi Ekstrak 20 %	4	2,50	10,00
	Kontrol Positif	4	6,50	26,00
	Total	8		
jam5	Konsentrasi Ekstrak 20 %	4	2,50	10,00
	Kontrol Positif	4	6,50	26,00
	Total	8		
jam6	Konsentrasi Ekstrak 20 %	4	2,88	11,50
	Kontrol Positif	4	6,13	24,50
	Total	8		
jam24	Konsentrasi Ekstrak 20 %	4	3,50	14,00

Kontrol Positif	4	5,50	22,00
Total	8		

Test Statistics^a

	jam1	jam2	jam3	jam4	jam5	jam6
Mann-Whitney U	,000	,000	,000	,000	,000	1,500
Wilcoxon W	10,000	10,000	10,000	10,000	10,000	11,500
Z	-2,428	-2,352	-2,530	-2,397	-2,352	-1,999
Asymp. Sig. (2-tailed)	,015	,019	,011	,017	,019	,046
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,029 ^b	,057 ^b

Test Statistics^a

	jam24
Mann-Whitney U	4,000
Wilcoxon W	14,000
Z	-1,239
Asymp. Sig. (2-tailed)	,215
Exact Sig. [2*(1-tailed Sig.)]	,343 ^b

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
jam1	Konsentrasi Ekstrak 25 %	4	2,50	10,00
	Konsentrasi Ekstrak 30 %	4	6,50	26,00
	Total	8		
jam2	Konsentrasi Ekstrak 25 %	4	2,75	11,00
	Konsentrasi Ekstrak 30 %	4	6,25	25,00
	Total	8		
jam3	Konsentrasi Ekstrak 25 %	4	3,38	13,50
	Konsentrasi Ekstrak 30 %	4	5,63	22,50
	Total	8		
jam4	Konsentrasi Ekstrak 25 %	4	3,25	13,00
	Konsentrasi Ekstrak 30 %	4	5,75	23,00
	Total	8		
jam5	Konsentrasi Ekstrak 25 %	4	4,13	16,50
	Konsentrasi Ekstrak 30 %	4	4,88	19,50
	Total	8		
jam6	Konsentrasi Ekstrak 25 %	4	4,00	16,00

jam24	Konsentrasi Ekstrak 30 %	4	5,00	20,00
	Total	8		
	Konsentrasi Ekstrak 25 %	4	4,50	18,00
	Konsentrasi Ekstrak 30 %	4	4,50	18,00
	Total	8		

Test Statistics^a

	jam1	jam2	jam3	jam4	jam5	jam6
Mann-Whitney U	,000	1,000	3,500	3,000	6,500	6,000
Wilcoxon W	10,000	11,000	13,500	13,000	16,500	16,000
Z	-2,530	-2,097	-1,348	-1,548	-,464	-,588
Asymp. Sig. (2-tailed)	,011	,036	,178	,122	,642	,557
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,057 ^b	,200 ^b	,200 ^b	,686 ^b	,686 ^b

Test Statistics^a

	jam24
Mann-Whitney U	8,000
Wilcoxon W	18,000
Z	,000
Asymp. Sig. (2-tailed)	1,000
Exact Sig. [2*(1-tailed Sig.)]	1,000 ^b

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
jam1	Konsentrasi Ekstrak 25 %	4	2,50	10,00
	Kontrol Positif	4	6,50	26,00
	Total	8		
jam2	Konsentrasi Ekstrak 25 %	4	2,50	10,00
	Kontrol Positif	4	6,50	26,00
	Total	8		
jam3	Konsentrasi Ekstrak 25 %	4	3,00	12,00
	Kontrol Positif	4	6,00	24,00
	Total	8		
jam4	Konsentrasi Ekstrak 25 %	4	3,25	13,00
	Kontrol Positif	4	5,75	23,00
	Total	8		
jam5	Konsentrasi Ekstrak 25 %	4	3,75	15,00

	Kontrol Positif	4	5,25	21,00
	Total	8		
jam6	Konsentrasi Ekstrak 25 %	4	3,75	15,00
	Kontrol Positif	4	5,25	21,00
	Total	8		
jam24	Konsentrasi Ekstrak 25 %	4	4,50	18,00
	Kontrol Positif	4	4,50	18,00
	Total	8		

Test Statistics^a

	jam1	jam2	jam3	jam4	jam5	jam6
Mann-Whitney U	,000	,000	2,000	3,000	5,000	5,000
Wilcoxon W	10,000	10,000	12,000	13,000	15,000	15,000
Z	-2,530	-2,352	-2,000	-1,548	-,899	-,877
Asymp. Sig. (2-tailed)	,011	,019	,046	,122	,369	,381
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,029 ^b	,114 ^b	,200 ^b	,486 ^b	,486 ^b

Test Statistics^a

	jam24
Mann-Whitney U	8,000
Wilcoxon W	18,000
Z	,000
Asymp. Sig. (2-tailed)	1,000
Exact Sig. [2*(1-tailed Sig.)]	1,000 ^b

a. Grouping Variable: perlakuan

b. Not corrected for ties.

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
jam1	Konsentrasi Ekstrak 30 %	4	2,50	10,00
	Kontrol Positif	4	6,50	26,00
	Total	8		
jam2	Konsentrasi Ekstrak 30 %	4	3,00	12,00
	Kontrol Positif	4	6,00	24,00
	Total	8		
jam3	Konsentrasi Ekstrak 30 %	4	3,50	14,00
	Kontrol Positif	4	5,50	22,00
	Total	8		
jam4	Konsentrasi Ekstrak 30 %	4	4,50	18,00

jam5	Kontrol Positif	4	4,50	18,00
	Total	8		
	Konsentrasi Ekstrak 30 %	4	4,25	17,00
jam6	Kontrol Positif	4	4,75	19,00
	Total	8		
	Konsentrasi Ekstrak 30 %	4	4,13	16,50
jam24	Kontrol Positif	4	4,88	19,50
	Total	8		
	Konsentrasi Ekstrak 30 %	4	4,50	18,00
jam24	Kontrol Positif	4	4,50	18,00
	Total	8		
	Konsentrasi Ekstrak 30 %	4	4,50	18,00

Test Statistics^a

	jam1	jam2	jam3	jam4	jam5	jam6
Mann-Whitney U	,000	2,000	4,000	8,000	7,000	6,500
Wilcoxon W	10,000	12,000	14,000	18,000	17,000	16,500
Z	-2,428	-1,871	-1,512	,000	-,300	-,438
Asymp. Sig. (2-tailed)	,015	,061	,131	1,000	,765	,661
Exact Sig. [2*(1-tailed Sig.)]	,029 ^b	,114 ^b	,343 ^b	1,000 ^b	,886 ^b	,686 ^b

Test Statistics^a

	jam24
Mann-Whitney U	8,000
Wilcoxon W	18,000
Z	,000
Asymp. Sig. (2-tailed)	1,000
Exact Sig. [2*(1-tailed Sig.)]	1,000 ^b

a. Grouping Variable: perlakuan

b. Not corrected for ties.

LAMPIRAN 3 UJI KORELASI

1. Potensi X Dosis

Correlations			perlakuan	jam24
Spearman's rho	dosis	Correlation Coefficient	1,000	,724**
		Sig. (1-tailed)	.	,000
		N	20	20
	potensi	Correlation Coefficient	,724**	1,000
		Sig. (1-tailed)	,000	.
		N	20	20

** Correlation is significant at the 0.01 level (1-tailed).

2. Potensi X Waktu Pengamatan

Correlations			waktu pengamatan	potensi
Spearman's rho	waktu pengamatan	Correlation Coefficient	1,000	,981**
		Sig. (1-tailed)	.	,000
		N	28	28
	potensi	Correlation Coefficient	,981**	1,000
		Sig. (1-tailed)	,000	.
		N	28	28

** Correlation is significant at the 0.01 level (1-tailed).