

## LAMPIRAN

### Uji Normalitas

#### Case Processing Summary

kelompok		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
selisih	karbamid	6	100.0%	0	.0%	6	100.0%
	bayam	6	100.0%	0	.0%	6	100.0%
	susu	6	100.0%	0	.0%	6	100.0%
	aqua	6	100.0%	0	.0%	6	100.0%

#### Descriptives

kelompok			Statistic	Std. Error
selisih	karbamid	Mean	-11.2400	4.02758
		95% Confidence Interval for Mean		
		Lower Bound	-21.5932	
		Upper Bound	-.8868	
		5% Trimmed Mean	-10.9983	
		Median	-7.6600	
		Variance	97.328	
		Std. Deviation	9.86551	
		Minimum	-24.48	
		Maximum	-2.35	
		Range	22.13	
		Interquartile Range	20.57	
		Skewness	-.738	.845

	Kurtosis		-1.814	1.741
bayam	Mean		-5.7850	1.60949
	95% Confidence Interval for Mean	Lower Bound	-9.9223	
		Upper Bound	-1.6477	
	5% Trimmed Mean		-6.0217	
	Median		-6.2950	
	Variance		15.543	
	Std. Deviation		3.94243	
	Minimum		-9.11	
	Maximum		1.80	
	Range		10.91	
	Interquartile Range		4.66	
	Skewness		1.835	.845
	Kurtosis		3.902	1.741
susu	Mean		-1.6817	1.20028
	95% Confidence Interval for Mean	Lower Bound	-4.7671	
		Upper Bound	1.4038	
	5% Trimmed Mean		-1.6369	
	Median		-1.3000	
	Variance		8.644	
	Std. Deviation		2.94008	
	Minimum		-5.52	
	Maximum		1.35	
	Range		6.87	

	Interquartile Range		6.01	
	Skewness		-.289	.845
	Kurtosis		-2.116	1.741
aqua	Mean		-.6467	1.28444
	95% Confidence Interval for Mean	Lower Bound	-3.9484	
		Upper Bound	2.6551	
	5% Trimmed Mean		-.6552	
	Median		-1.6900	
	Variance		9.899	
	Std. Deviation		3.14623	
	Minimum		-4.57	
	Maximum		3.43	
	Range		8.00	
	Interquartile Range		5.88	
	Skewness		.441	.845
	Kurtosis		-1.374	1.741

#### Tests of Normality

kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
selisih karbamid	.273	6	.185	.824	6	.095
bayam	.367	6	.011	.776	6	.035
susu	.199	6	.200	.897	6	.356
aqua	.285	6	.140	.884	6	.289

### Tests of Normality

kelompok		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
selisih	karbamid	.273	6	.185	.824	6	.095
	bayam	.367	6	.011	.776	6	.035
	susu	.199	6	.200	.897	6	.356
	aqua	.285	6	.140	.884	6	.289

a. Lilliefors Significance Correction

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

### Uji Hipotesis

### NPar Tests

#### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
selisih	24	-4.8383	6.83197	-24.48	3.43
kelompok	24	2.5000	1.14208	1.00	4.00

### Kruskal-Wallis Test

#### Ranks

kelompok		N	Mean Rank
selisih	karbamid	6	7.00
	bayam	6	8.83
	susu	6	16.00
	aqua	6	18.17

## Ranks

kelompok	N	Mean Rank
selisih karbamid	6	7.00
bayam	6	8.83
susu	6	16.00
aqua	6	18.17
Total	24	

Test Statistics<sup>a,b</sup>

	selisih
Chi-Square	10.567
df	3
Asymp. Sig.	.014

a. Kruskal Wallis Test

b. Grouping Variable: kelompok

## Uji Post Hoc

## NPar Tests (karbamid\*bayam)

## Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
selisih	24	-4.8383	6.83197	-24.48	3.43
kelompok	24	2.5000	1.14208	1.00	4.00

## Mann-Whitney Test

Ranks

kelompok	N	Mean Rank	Sum of Ranks
selisih karbamid	6	5.83	35.00
bayam	6	7.17	43.00
Total	12		

Test Statistics<sup>a</sup>

	selisih
Mann-Whitney U	14.000
Wilcoxon W	35.000
Z	-.641
Asymp. Sig. (2-tailed)	.522
Exact Sig. [2*(1-tailed Sig.)]	.589 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

## T-Test (karbamid\*susu)

Group Statistics

kelompok	N	Mean	Std. Deviation	Std. Error Mean
selisih karbamid	6	-11.2400	9.86551	4.02758
susu	6	-1.6817	2.94008	1.20028

## 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
selisih	Equal variances assumed	11.346	.007	-2.274	10	.046	-9.55833	4.20263	-18.92237	-.19430
	Equal variances not assumed			-2.274	5.881	.064	-9.55833	4.20263	-19.89236	.77569

### T-Test (karbamid\*aqua)

#### Group Statistics

kelompok	N	Mean	Std. Deviation	Std. Error Mean
selisih karbamid	6	-11.2400	9.86551	4.02758
aqua	6	-.6467	3.14623	1.28444

#### 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	
selisih Equal variances assumed	10.568	.009	-2.506	10	.031	-10.59333	4.22743	-20.01264	-1.17403	
Equal variances not assumed			-2.506	6.007	.046	-10.59333	4.22743	-20.93472	-.25195	

### NPar Tests (bayam\*susu)

#### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
selisih	24	-4.8383	6.83197	-24.48	3.43
kelompok	24	2.5000	1.14208	1.00	4.00



## Mann-Whitney Test

### Ranks

kelompok	N	Mean Rank	Sum of Ranks
selisih bayam	6	4.50	27.00
susu	6	8.50	51.00
Total	12		

### Test Statistics<sup>a</sup>

	selisih
Mann-Whitney U	6.000
Wilcoxon W	27.000
Z	-1.922
Asymp. Sig. (2-tailed)	.055
Exact Sig. [2*(1-tailed Sig.)]	.065 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

## NPar Tests (bayam\*aqua)

### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
selisih	24	-4.8383	6.83197	-24.48	3.43
kelompok	24	2.5000	1.14208	1.00	4.00

## Mann-Whitney Test

Ranks

kelompok	N	Mean Rank	Sum of Ranks
selisih bayam	6	4.17	25.00
aqua	6	8.83	53.00
Total	12		

Test Statistics<sup>a</sup>

	selisih
Mann-Whitney U	4.000
Wilcoxon W	25.000
Z	-2.242
Asymp. Sig. (2-tailed)	.025
Exact Sig. [2*(1-tailed Sig.)]	.026 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

## T-Test (susu\*aqua)

Group Statistics

kelompok	N	Mean	Std. Deviation	Std. Error Mean
selisih susu	6	-1.6817	2.94008	1.20028
aqua	6	-.6467	3.14623	1.28444

### 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	
selisih	Equal variances assumed	.007	.935	-.589	10	.569	-1.03500	1.75797	-4.95201	2.88201
	Equal variances not assumed			-.589	9.954	.569	-1.03500	1.75797	-4.95444	2.88444

### NPar Tests

#### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
selisih	24	-4.8383	6.83197	-24.48	3.43
kelompok	24	2.5000	1.14208	1.00	4.00

### Mann-Whitney Test

#### Ranks

kelompok	N	Mean Rank	Sum of Ranks
selisih karbamid	6	4.33	26.00
susu	6	8.67	52.00
Total	12		

#### Test Statistics<sup>b</sup>

	selisih
Mann-Whitney U	5.000
Wilcoxon W	26.000
Z	-2.082
Asymp. Sig. (2-tailed)	.037
Exact Sig. [2*(1-tailed Sig.)]	.041 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

## NPar Tests

### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
selisih	24	-4.8383	6.83197	-24.48	3.43
kelompok	24	2.5000	1.14208	1.00	4.00

## Mann-Whitney Test

### Ranks

kelompok	N	Mean Rank	Sum of Ranks
selisih karbamid	6	3.83	23.00
aqua	6	9.17	55.00
Total	12		

**Test Statistics<sup>b</sup>**

	selisih
Mann-Whitney U	2.000
Wilcoxon W	23.000
Z	-2.562
Asymp. Sig. (2-tailed)	.010
Exact Sig. [2*(1-tailed Sig.)]	.009 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

**NPar Tests****Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
selisih	24	-4.8383	6.83197	-24.48	3.43
kelompok	24	2.5000	1.14208	1.00	4.00

**Mann-Whitney Test****Ranks**

kelompok	N	Mean Rank	Sum of Ranks
selisih susu	6	5.83	35.00
aqua	6	7.17	43.00
Total	12		

**Test Statistics<sup>b</sup>**

	selisih
Mann-Whitney U	14.000
Wilcoxon W	35.000
Z	-.641
Asymp. Sig. (2-tailed)	.522
Exact Sig. [2*(1-tailed Sig.)]	.589 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

Table Data Print

Date: 12/30/16 Page: 1

Title: Uji Beda Warna (L \* a\* b\* dE\*ab) Bayam

Comment: Milik : M. Hafish Raditia-KG-UMY

File Name:

Created:

Number of Lines: 25

III: D65 Obs: 10degree

Standard      100.43   0.07   0.97

SampleID	L*	a*	b*	dE*ab	FileName
0	100.43	0.07	0.97	0.00	STD-GIGI
1	102.99	-7.56	-13.66	16.70	BYM-1
2	105.2	-4.35	-3.45	7.86	BYM-2
3	106.55	-2.78	0.79	6.75	BYM-3
4	102.03	-4.73	-5.51	8.22	BYM-4
5	98.94	-5.28	-8.49	10.97	BYM-5
6	81.22	-1.79	-3.69	19.85	BYM-6
7	80.74	-1.77	-3.4	20.25	BYM-7
8	88.07	-2.67	-4.98	13.99	BYM-8

9	138.75	-4.87	10.62	39.82	BYM-9
10	131	-9.56	-7.1	33.05	BYM-10
11	108.44	-5.6	-6.3	12.21	BYM-11
12	94.77	-5.47	-3.19	8.95	BYM-12
13	91.85	-8.2	0.71	11.92	BYM-13
14	94.71	-3.72	-3.41	8.14	BYM-14
15	88.53	-2.79	-1.59	12.50	BYM-15
16	90.31	-1.39	3.6	10.56	BYM-16
17	86.13	-1.48	-0.81	14.49	BYM-17
18	106.01	-6.22	-10.11	13.91	BYM-18
19	114.02	-3.91	-4.61	15.22	BYM-19
20	105.85	-10.27	-4.55	12.91	BYM-20
21	84.96	-0.84	3.63	15.72	BYM-21
22	139.56	-12.02	-6.91	41.71	BYM-22
23	92.16	-3.64	-5.43	11.10	BYM-23
24	100.63	-4.47	-6.98	9.16	BYM-24





Table Data Print

Date: 01/30/17 Page: 1

Title: Uji Beda Warna (L \* a\* b\* dE\*ab)

Comment: Milik : M. Hafish Raditia-KG-UMY

File Name:

Created:

Number of Lines: 25

III: D65 Obs: 10degree

Standard      100.43  0.07  0.97

SampleID	L*	a*	b*	dE*ab	FileName
0	100.43	0.07	0.97	0.00	STD-GIGI
1	92.82	-1.87	-5.16	9.96	B1
2	96.41	-1.02	4.58	5.51	B2
3	96.79	-1.83	0.47	4.14	B3
4	92.04	-1.57	6.19	10.02	B4
5	100.27	-2.13	0.07	2.38	B5
6	91.2	0.06	-4.53	10.74	B6
7	89.65	-1.33	-2.97	11.56	B7
8	107.27	0.65	-2.88	7.87	B8

9	111.8	-7.09	-9.7	17.16	B9
10	116.63	0.34	-20.11	26.59	B10
11	106.8	-2.57	-5.94	9.76	B11
12	98.04	-3.27	-0.69	4.43	B12
13	111.01	-1.44	5.9	11.77	B13
14	93.48	-2.92	-4.51	9.34	B14
15	94.18	-2.9	1.94	6.99	B15
16	93.53	2.47	-10.96	13.99	B16
17	112.11	-4.55	-0.93	12.70	B17
18	109.49	-1.97	0.01	9.34	B18
19	113.42	-1.48	4.8	13.63	B19
20	108.84	-6.46	0.96	10.65	B20
21	106.03	-1.36	8.63	9.60	B21
22	110.83	-3.01	-12.41	17.22	B22
23	112.25	-6.73	-2.23	14.01	B23
24	95.19	-6.87	-4.93	10.51	B24



### Lampiran Gambar



(Gigi sebelum direndam larutan kopi hitam)



(Gigi direndam larutan kopi hitam)



(Gigi setelah direndam larutan kopi hitam)



(Gigi direndam dalam ekstrak daun bayam hijau)



(Gigi direndam dalam karbamid peroksida 10%)



(Gigi setelah direndam ekstrak daun bayam hijau)



(Gigi setelah direndam karbamid peroksida 10%)