

## LAMPIRAN

### Lampiran 1. Perhitungan HLB

R/ EEDK	5 gram
TEA	3,4 ml
Asam Stearat	6,7 gram
Setil Alkohol	0,5 gram
Nipagin	0,02 gram
Propilenglikol	15 ml
Aquades add	100 ml

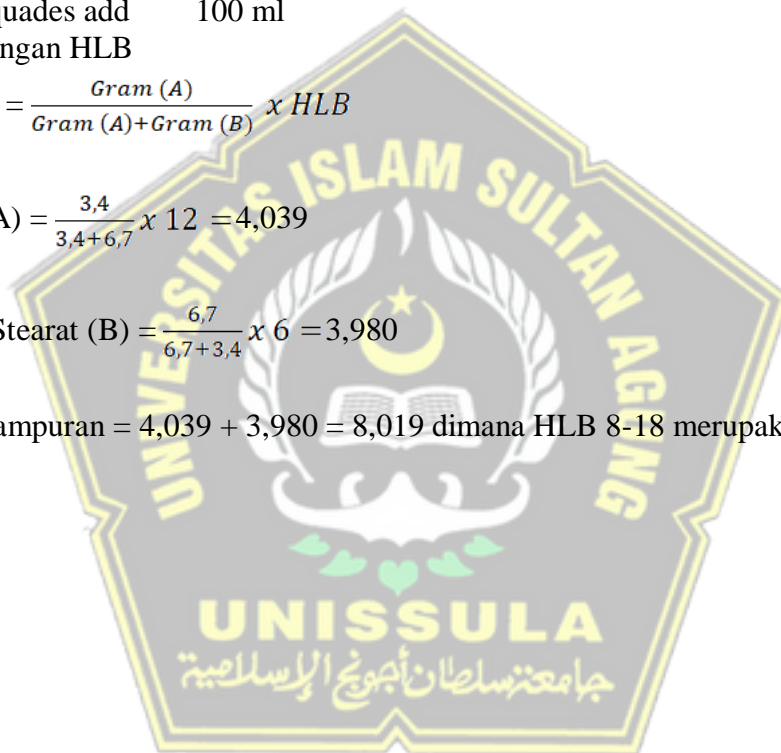
Perhitungan HLB

$$\text{Rumus} = \frac{\text{Gram (A)}}{\text{Gram (A) + Gram (B)}} \times \text{HLB}$$

$$\text{TEA (A)} = \frac{3,4}{3,4 + 6,7} \times 12 = 4,039$$

$$\text{Asam Stearat (B)} = \frac{6,7}{6,7 + 3,4} \times 6 = 3,980$$

HLB campuran = 4,039 + 3,980 = 8,019 dimana HLB 8-18 merupakan tipe M/A.



## Lampiran 2. Determinasi Tanaman



KEMENTERIAN RISET, TEKNOLOGI, DAN PENDIDIKAN TINGGI  
UNIVERSITAS NEGERI SEMARANG  
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM  
**LABORATORIUM JURUSAN BIOLOGI**

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Semarang, 06 Maret 2019

No. : 199/UN/37.1.4.5/LT/2019  
Lampiran : -  
Perihal : Hasil identifikasi tumbuhan

Kepada Yth.

Sdr. Tati Triana – NIM. 33101500407

Mahasiswa Program Studi Farmasi - Fakultas Kedokteran  
Universitas Islam Sultan Agung (UNISSULA)  
Semarang

Dengan hormat,

Bersama ini kami sampaikan hasil identifikasi tumbuhan yang Saudara kirimkan ke Laboratorium Taksonomi Tumbuhan Jurusan Biologi-FMIPA Universitas Negeri Semarang (UNNES), adalah sebagai berikut.

Divisio : Magnoliophyta  
Classis : Magnoliopsida  
SubClassis : Dilleniidae  
Ordo : Capparales  
Familia : Moringaceae  
Genus : Moringa  
Species : *Moringa oleifera* Lam.  
Vern. name : Kelor/ Horseradish tree

Demikian, semoga berguna bagi Saudara.

UNIVERSITAS NEGERI SEMARANG

Mengetahui -  
Ketua Jurusan Biologi FMIPA UNNES



Kepala Laboratorium Biologi

Dr. Ning Setiati, M.Si.  
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### Lampiran 3. Hasil Perhitungan Jumlah Neutrofil

Perlakuan	Lapang Pandang	Tikus			
		I	II	III	IV
<b>Normal</b>	1	36	41	40	36
	2	42	44	39	45
	3	43	47	42	37
	4	35	39	54	38
	5	52	43	46	43
	Rerata	41,6	42,8	44,2	39,9
<b>Negatif</b>	1	36	38	52	51
	2	34	42	49	29
	3	28	45	39	33
	4	30	48	37	40
	5	32	37	50	55
	Rerata	32	42	45,7	41,6
<b>Positif</b>	1	23	18	23	22
	2	21	23	29	22
	3	22	20	27	23
	4	24	22	22	21
	5	24	16	20	24
	Rerata	22,8	19,8	24,2	22,4
<b>Krim 5%</b>	1	24	20	23	29
	2	23	22	32	37
	3	25	23	30	32
	4	26	25	24	28
	5	28	30	33	34
	Rerata	25,2	24	28,4	32
<b>Krim 10%</b>	1	15	18	19	21
	2	29	23	24	22
	3	27	23	18	18
	4	22	25	16	30
	5	22	20	20	24
	Rerata	23	21,5	19,4	23
<b>Krim 15%</b>	1	14	18	18	16
	2	14	18	19	19
	3	18	17	22	18
	4	14	14	21	20
	5	13	17	20	16
	Rerata	14,6	16,8	20	17,8

#### Lampiran 4. Analisis Normalitas dan Homogenitas dengan SPSS

Case Processing Summary							
Kelompok		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
Sel_Neutrofil	Negatif	20	100.0%	0	0.0%	20	100.0%
	Basis	20	100.0%	0	0.0%	20	100.0%
	Positif	20	100.0%	0	0.0%	20	100.0%
	5%	20	100.0%	0	0.0%	20	100.0%
	10%	20	100.0%	0	0.0%	20	100.0%
	15%	20	100.0%	0	0.0%	20	100.0%

Descriptives					
Kelompok			Statistic	Std. Error	
Sel_Neutrofil	Negatif	Mean	42.100	1.1307	
		95% Confidence Interval for Mean	Lower Bound	39.733	
			Upper Bound	44.467	
	5% Trimmed Mean	41.833			
	Median	42.000			
	Variance	25.568			
	Std. Deviation	5.0565			
	Minimum	35.0			
	Maximum	54.0			
	Range	19.0			
	Interquartile Range	6.5			
	Skewness	.806	.512		
	Kurtosis	.552	.992		
	Basis	Mean	Mean	40.250	1.8608
			95% Confidence Interval for Mean	Lower Bound	36.355
Upper Bound				44.145	
5% Trimmed Mean		40.111			
Median		38.500			
Variance		69.250			
Std. Deviation		8.3217			
Minimum		28.0			
Maximum		55.0			
Range		27.0			
Interquartile Range		15.5			
Skewness		.260	.512		
Kurtosis		-1.161	.992		
Positif		Mean	Mean	22.300	.6287
			95% Confidence Interval for Mean	Lower Bound	20.984
	Upper Bound			23.616	
	5% Trimmed Mean	22.278			
	Median	22.000			
	Variance	7.905			
	Std. Deviation	2.8116			
	Minimum	16.0			
	Maximum	29.0			
	Range	13.0			
	Interquartile Range	2.8			
	Skewness	.164	.512		
	Kurtosis	1.672	.992		

5%	Mean		27.400	1.0321
	95% Confidence Interval for Mean	Lower Bound	25.240	
		Upper Bound	29.560	
	5% Trimmed Mean		27.278	
	Median		27.000	
	Variance		21.305	
	Std. Deviation		4.6158	
	Minimum		20.0	
	Maximum		37.0	
	Range		17.0	
	Interquartile Range		8.3	
	Skewness		.389	.512
	Kurtosis		-.726	.992
	10%	Mean		21.800
95% Confidence Interval for Mean		Lower Bound	19.918	
		Upper Bound	23.682	
5% Trimmed Mean			21.722	
Median			22.000	
Variance			16.168	
Std. Deviation			4.0210	
Minimum			15.0	
Maximum			30.0	
Range			15.0	
Interquartile Range			5.8	
Skewness			.373	.512
Kurtosis			-.203	.992
15%		Mean		17.300
	95% Confidence Interval for Mean	Lower Bound	16.103	
		Upper Bound	18.497	
	5% Trimmed Mean		17.278	
	Median		18.000	
	Variance		6.537	
	Std. Deviation		2.5567	
	Minimum		13.0	
	Maximum		22.0	
	Range		9.0	
	Interquartile Range		4.5	
	Skewness		-.078	.512
	Kurtosis		-.798	.992

#### Tests of Normality

Kelompok		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Sel_Neutrofil	Negatif	.129	20	.200 <sup>*</sup>	.941	20	.251
	Basis	.124	20	.200 <sup>*</sup>	.946	20	.309
	Positif	.173	20	.120	.942	20	.259
	5%	.148	20	.200 <sup>*</sup>	.959	20	.534
	10%	.092	20	.200 <sup>*</sup>	.972	20	.802
	15%	.158	20	.200 <sup>*</sup>	.949	20	.353

**Lampiran 5. Analisis *One-Way* ANOVA dengan SPSS**

**Oneway**

**Descriptives**

Sel\_Neutrofil

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					Negatif	20		
Basis	20	40.250	8.3217	1.8608	36.355	44.145	28.0	55.0
Positif	20	22.300	2.8116	.6287	20.984	23.616	16.0	29.0
5%	20	27.400	4.6158	1.0321	25.240	29.560	20.0	37.0
10%	20	21.800	4.0210	.8991	19.918	23.682	15.0	30.0
15%	20	17.300	2.5567	.5717	16.103	18.497	13.0	22.0
Total	120	28.525	10.6305	.9704	26.603	30.447	13.0	55.0

**Test of Homogeneity of Variances**

Sel\_Neutrofil

Levene Statistic	df1	df2	Sig.
9.053	5	114	.000

**ANOVA**

Sel\_Neutrofil

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	10659.975	5	2131.995	87.178	.000
Within Groups	2787.950	114	24.456		
Total	13447.925	119			

## Lampiran 6. Analisis Uji Tamhane

### Post Hoc Tests

#### Multiple Comparisons

Dependent Variable: Sel\_Neutrofil

Tamhane

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Negatif	Basis	1.8500	2.1774	1.000	-5.048	8.748
	Positif	19.8000*	1.2937	.000	15.683	23.917
	5%	14.7000*	1.5309	.000	9.916	19.484
	10%	20.3000*	1.4446	.000	15.773	24.827
	15%	24.8000*	1.2670	.000	20.748	28.852
Basis	Negatif	-1.8500	2.1774	1.000	-8.748	5.048
	Positif	17.9500*	1.9641	.000	11.548	24.352
	5%	12.8500*	2.1279	.000	6.078	19.622
	10%	18.4500*	2.0666	.000	11.826	25.074
	15%	22.9500*	1.9466	.000	16.582	29.318
Positif	Negatif	-19.8000*	1.2937	.000	-23.917	-15.683
	Basis	-17.9500*	1.9641	.000	-24.352	-11.548
	5%	-5.1000*	1.2085	.003	-8.928	-1.272
	10%	.5000	1.0971	1.000	-2.954	3.954
	15%	5.0000*	.8498	.000	2.344	7.656
5%	Negatif	-14.7000*	1.5309	.000	-19.484	-9.916
	Basis	-12.8500*	2.1279	.000	-19.622	-6.078
	Positif	5.1000*	1.2085	.003	1.272	8.928
	10%	5.6000*	1.3688	.003	1.319	9.881
	15%	10.1000*	1.1799	.000	6.345	13.855
10%	Negatif	-20.3000*	1.4446	.000	-24.827	-15.773
	Basis	-18.4500*	2.0666	.000	-25.074	-11.826
	Positif	-.5000	1.0971	1.000	-3.954	2.954
	5%	-5.6000*	1.3688	.003	-9.881	-1.319
	15%	4.5000*	1.0655	.003	1.132	7.868
15%	Negatif	-24.8000*	1.2670	.000	-28.852	-20.748
	Basis	-22.9500*	1.9466	.000	-29.318	-16.582
	Positif	-5.0000*	.8498	.000	-7.656	-2.344
	5%	-10.1000*	1.1799	.000	-13.855	-6.345
	10%	-4.5000*	1.0655	.003	-7.868	-1.132

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

## Lampiran 5. Dokumentasi Penelitian



pemfotoan preparat  
dengan  
mikroskop dan  
optilab



Preparat kulit  
punggung tikus



Kulit punggung tikus  
dalam formalin

