

# LAMPIRAN

## LAMPIRAN 1

### Hasil Uji Determinasi Tanaman



#### LABORATORIUM BIOLOGI

FAKULTAS MIPA  
UNIVERSITAS AHMAD DAHLAN

Jl. Prof. Dr. Soepomo, Yogyakarta Telp. (0274) 563515

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#### SURAT KETERANGAN

Nomor : 006/Lab.Bio/B/1/2019

Yang bertanda tangan di bawah ini Kepala Laboratorium Biologi Universitas Ahmad Dahlan menerangkan bahwa :

Nama : Nilla Nur Indah W  
NIM : 20150350073  
Prodi, PT : Farmasi, Universitas Muhammadiyah Yogyakarta

Telah melakukan determinasi tanaman dengan bimbingan Hery Setiyawan, M.Si di Laboratorium Biologi Universitas Ahmad Dahlan, pada tanggal 21 Januari 2019

Tanaman tersebut adalah :  
*Hibiscus sabdariffa* L.

Demikian Surat Keterangan ini untuk dapat dipergunakan seperlunya.

Yogyakarta, 21 Januari 2019  
Kepala Laboratorium Biologi  
  
Drs. Hadi Sasongko, M.Si.

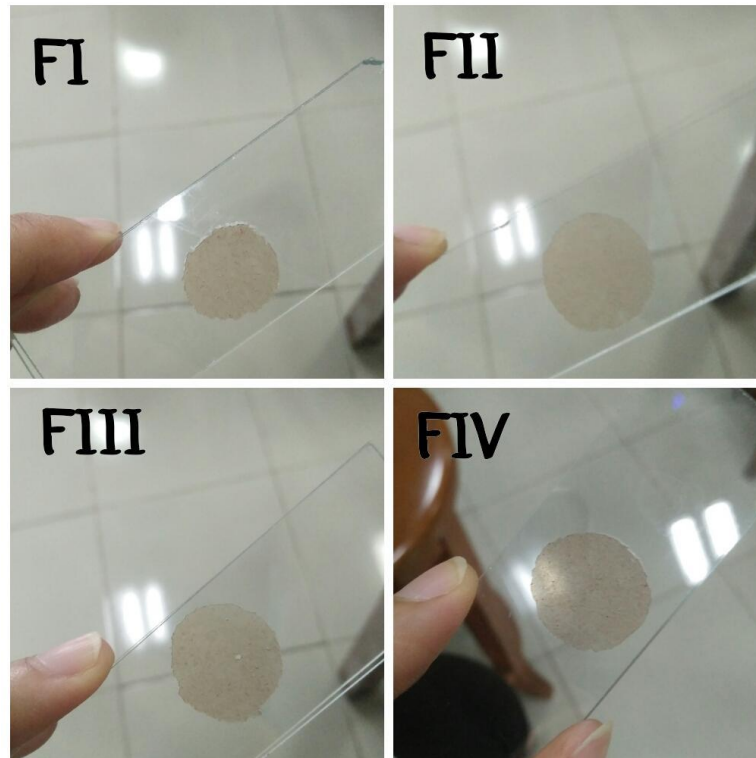
1b - 2b - 3b - 4b - 6b - 7b - 9b - 10b - 11b - 12b - 13b - 14a - 15a - 109b - 119b - 120b -  
128b - 129b - 135b - 136b - 139b - 140b - 142b - 143a - 144a Malvaceae  
1a - 2b - 3a Hibiscus  
1b - 2b - 4a *Hibiscus sabdariffa* L

Flora of Java (Steenis, 1958)

## LAMPIRAN 2

### Hasil Uji Stabilitas Fisik Sediaan Lipstik Ekstrak Bunga Rosella Ungu

#### 1. Hasil Uji Homogenitas Sediaan Lipstik



Keterangan: FI = Formula 1

FII = Formula 2

FIII = Formula 3

FIV = Formula 4

#### 2. Hasil Uji pH Sediaan Lipstik

Replikasi	Formula I	Formula II	Formula III	Formula IV
1	4,754	4,994	4,195	5,218
2	4,764	4,965	4,273	5,145
3	4,689	5,001	4,256	5,047

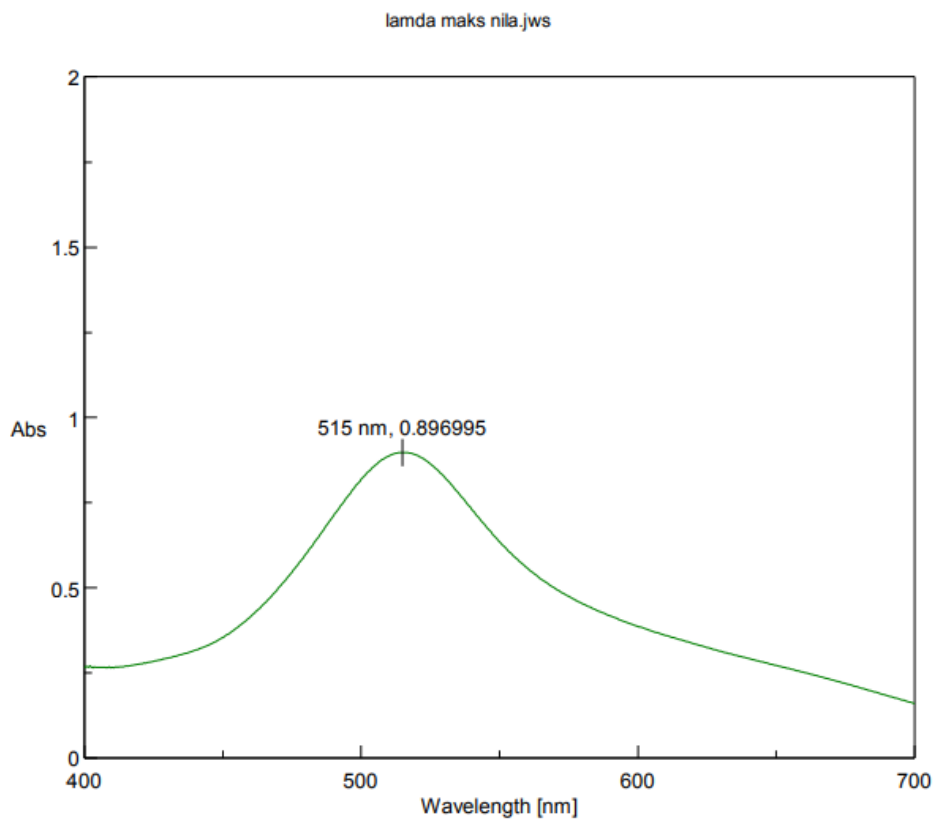
### LAMPIRAN 3

#### Hasil Uji Aktivitas Antioksidan Sediaan Lipstik

##### 1. Preparasi Sampel Uji Aktivitas Antioksidan



##### 2. Hasil Pengukuran Panjang Gelombang Maksimal DPPH



### 3. Hasil Absorbansi Formula Lipstik Ekstrak Bunga Rosella Ungu

Replikasi	Sampel						
	DPPH	Rutin	Ekstrak	Formula I	Formula II	Formula III	Formula IV
1	0,896995	0,0732	0,7225	0,71252	0,2386	0,1832	0,2034
2	0,896995	0,0734	0,722	0,71251	0,239	0,1829	0,236
3	0,896995	0,0733	0,7229	0,71254	0,2389	0,1825	0,2241
4	0,896995	0,0735	0,7228	0,71249	0,2387	0,1825	0,2117
5	0,896995	0,0726	0,7231	0,71251	0,2394	0,1821	0,2125
6	0,896995	0,0729	0,7232	0,71252	0,2387	0,1818	0,2114

### 4. Preparasi Sampel Uji Aktivitas Antioksidan



## LAMPIRAN 4

### Hasil Analisis Statistik

#### 1. Uji Normalitas

Tests of Normality

kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
nama rutin	,238	6	,200*	,905	6	,405
ekstrak	,222	6	,200*	,906	6	,408
formula 1	,492	6	,000	,496	6	,000
formula 2	,229	6	,200*	,858	6	,181
formula 3	,191	6	,200*	,966	6	,865
Formula 4	,302	6	,092	,896	6	,351

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

a. Lilliefors Significance Correction

#### 2. Uji Homogenitas

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
nama	Based on Mean	12,360	5	30	,000
	Based on Median	3,793	5	30	,009
	Based on Median and with adjusted df	3,793	5	5,032	,084
	Based on trimmed mean	11,224	5	30	,000

#### 3. Uji Kruskal-Wallis

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

	nama
Chi-Square	34,151
df	5
Asymp. Sig.	,000

a. Kruskal Wallis Test

b. Grouping Variable: kelompok

#### 4. Uji Mann-Whitney

##### a. Rutin dan Ekstrak

**Ranks**

kelompok	N	Mean Rank	Sum of Ranks
nama rutin	6	9,50	57,00
ekstrak	6	3,50	21,00
Total	12		

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

	nama
Mann-Whitney U	,000
Wilcoxon W	21,000
Z	-2,882
Asymp. Sig. (2-tailed)	,004
Exact Sig. [2*(1-tailed Sig.)]	,002 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

##### b. Ekstrak dan Formula 1

**Ranks**

kelompok	N	Mean Rank	Sum of Ranks
nama ekstrak	6	3,50	21,00
formula 1	6	9,50	57,00
Total	12		



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

	nama
Mann-Whitney U	,000
Wilcoxon W	21,000
Z	-2,989
Asymp. Sig. (2-tailed)	,003
Exact Sig. [2*(1-tailed Sig.)]	,002 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

c. Formula I dan Formula II

**Ranks**

	kelompok	N	Mean Rank	Sum of Ranks
nama	formula 1	6	3,50	21,00
	formula 2	6	9,50	57,00
	Total	12		

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

	nama
Mann-Whitney U	,000
Wilcoxon W	21,000
Z	-2,994
Asymp. Sig. (2-tailed)	,003
Exact Sig. [2*(1-tailed Sig.)]	,002 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

d. Formual I dan Formula III

**Ranks**

	kelompok	N	Mean Rank	Sum of Ranks
nama	formula 1	6	3,50	21,00
	formula 3	6	9,50	57,00
	Total	12		

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

	nama
Mann-Whitney U	,000
Wilcoxon W	21,000
Z	-2,994
Asymp. Sig. (2-tailed)	,003
Exact Sig. [2*(1-tailed Sig.)]	,002 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

e. Formula I dan Formula IV

**Ranks**

	kelompok	N	Mean Rank	Sum of Ranks
nama	formula 1	6	3,50	21,00
	Formula 4	6	9,50	57,00
	Total	12		

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

	nama
Mann-Whitney U	,000
Wilcoxon W	21,000
Z	-2,989
Asymp. Sig. (2-tailed)	,003
Exact Sig. [2*(1-tailed Sig.)]	,002 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

f. Formula II dan Formula III

**Ranks**

	kelompok	N	Mean Rank	Sum of Ranks
nama	formula 2	6	3,50	21,00
	formula 3	6	9,50	57,00
	Total	12		

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

	nama
Mann-Whitney U	,000
Wilcoxon W	21,000
Z	-2,892
Asymp. Sig. (2-tailed)	,004
Exact Sig. [2*(1-tailed Sig.)]	,002 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

g. Formula II dan Formula IV

**Ranks**

	kelompok	N	Mean Rank	Sum of Ranks
nama	formula 2	6	3,50	21,00
	Formula 4	6	9,50	57,00
	Total	12		

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

	nama
Mann-Whitney U	,000
Wilcoxon W	21,000
Z	-2,887
Asymp. Sig. (2-tailed)	,004
Exact Sig. [2*(1-tailed Sig.)]	,002 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok

h. Formula III dan Formula IV

**Ranks**

	kelompok	N	Mean Rank	Sum of Ranks
nama	formula 3	6	9,50	57,00
	Formula 4	6	3,50	21,00
	Total	12		

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

	nama
Mann-Whitney U	,000
Wilcoxon W	21,000
Z	-2,887
Asymp. Sig. (2-tailed)	,004
Exact Sig. [2*(1-tailed Sig.)]	,002 <sup>a</sup>

a. Not corrected for ties .

b. Grouping Variable: kelompok

## Septika Asti putri tumitin

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