

LAMPIRAN

Lampiran 1. Lembar Bimbingan

KONSULTASI DAN MONITORING SKRIPSI			
Nama	Akhsan Affan Nugroho		
Nomor Induk Mahasiswa	121320124		
Program Studi	Farmasi		
Nama Dosen Pembimbing	1. Apt. Hurrira, S. Farm., M. Sc 2. Apt. Andi Sry Hardianti, S. Farm., M. Farm.		
Tanggal Berita Acara Seminar UP			
Judul Karya tulis ilmiah: Uji Antioksidan dan Fenol Total Ekstrak Etanol Daun dan Batang Semu Ellingera flexuosa dari pegunungan Latimojong Sulawesi Selatan			
No	Tanggal	Arahan Pembimbing/Prodi	Tanda Tangan Pembimbing
1.	02/08/25	- Perbaiki judul Penelitian - Revisi Tinjauan pustaka & Metode Penelitian	
2.	04/08/25	- Perbaiki dokumentasi - Revisi Metode penelitian	
3.	06/08/25	- Perbaiki & Penambahan Tinjauan Pustaka - Perbaiki daftar Rujukan	
4.	09/08/25	- Perbaiki daftar Rujukan	
5.	12/08/25	- Perbaiki Manfaat & Tujuan Penelitian	

Ket: *)Melampirkan bukti bimbingan jika tanpa tatap muka.

Cat: Halaman berikutnya mulai dari judul kolom, dapat ditambah sesuai kebutuhan.

Palopo,

Ketua Program Studi Ilmu

.....
NIP/NIDN.

KONSULTASI DAN MONITORING SKRIPSI

Nama	Akhsan Affan Nugrobo		
Nomor Induk Mahasiswa	221320124		
Program Studi	Farmasi		
Nama Dosen Pembimbing	1. Apt. Hurrira., S. farm., M.Sc 2. Apt. Andi Sry Hardianti., S. farm., M. Farm		
Tanggal Berita Acara Seminar UP			
Judul Karya tulis ilmiah: Uji Antioksidan dan Fenol Total Ekstrak Etanol Daun dan Batang Semu Etlingera plexuosa dari Pegunungan Latimojong Sulawesi Selatan			
No	Tanggal	Arahan Pembimbing/Prodi	Tanda Tangan Pembimbing
6.	30/4/26	- Revisi Hasil & Pembahasan - Revisi Lampiran - Revisi Tabel Hasil	
7.	7/5/26	- Perbaikan judul penelitian - Revisi Isi Pembahasan	
8.	12/5/26	- Perbaikan dokumentasi lampiran - Perbaikan daftar Rujukan	
9.	18/5/26	- Revisi Isi Pembahasan - Perbaikan lampiran	
10.	25/5/26	- Revisi Abstrak - Perbaikan daftar Rujukan	
11.	4/6/26	- Revisi Penulisan - Perbaikan lampiran	

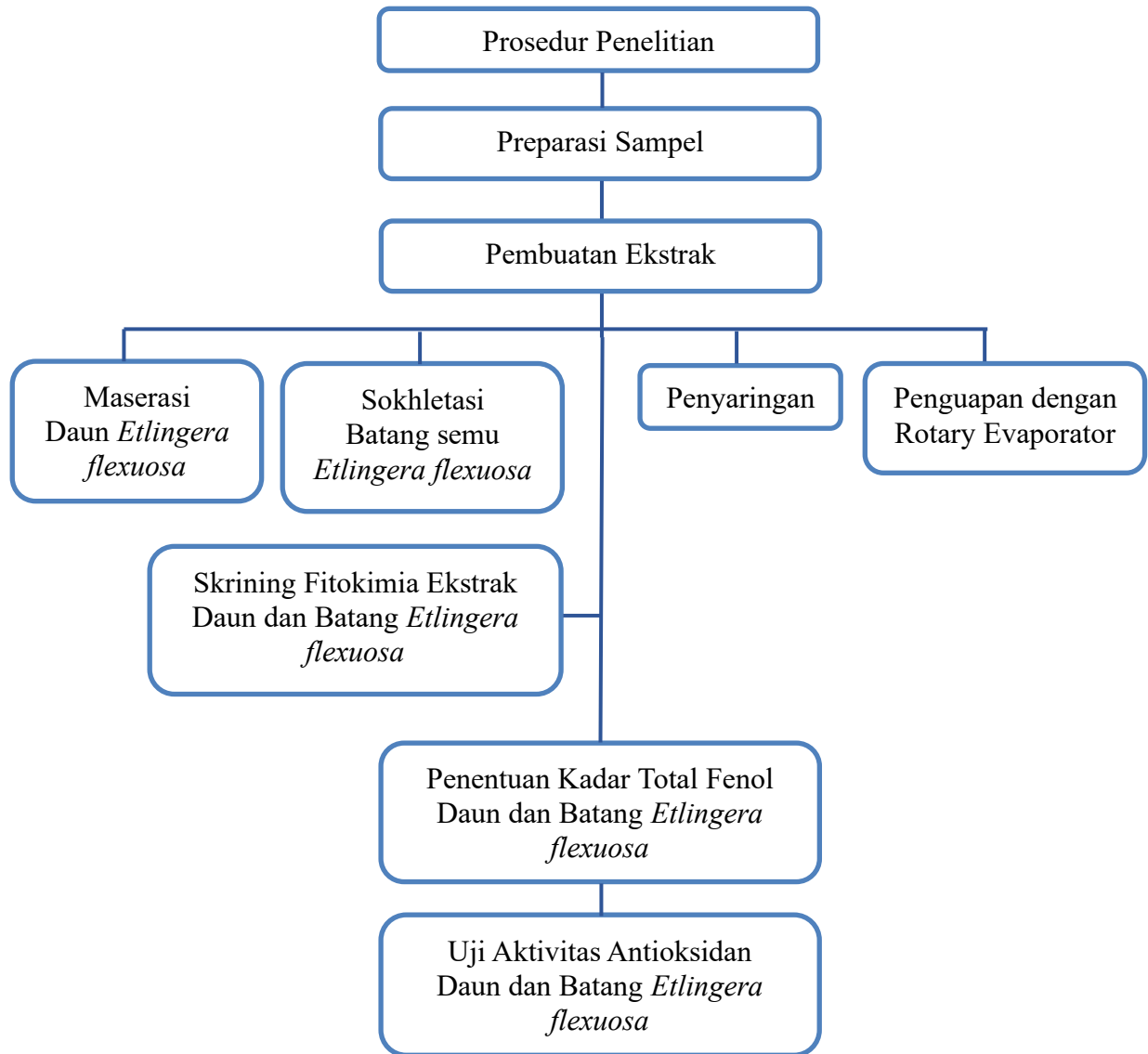
Ket: *)Melampirkan bukti bimbingan jika tanpa tatap muka.

Cat: Halaman berikutnya mulai dari judul kolom, dapat ditambah sesuai kebutuhan.

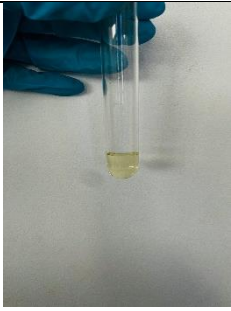
Palopo,

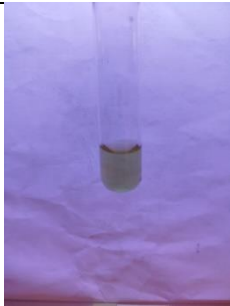
Ketua Program Studi Ilmu

.....
NIP/NIDN.

Lampiran 2. Kerangka Prosedur Penelitian

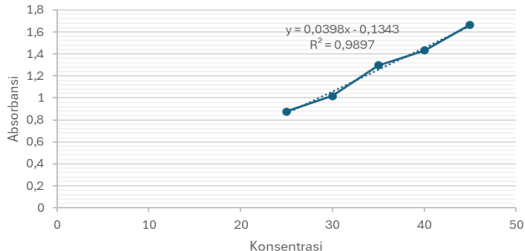
Lampiran 3. Uji Pendahuluan Skrining Fitokimia

Uji Sampel Daun	Gambar
Sebelum Semua Perlakuan	
Alkaloid (dragendrof)	
Alkaloid (Mayer)	
Flavonoid	
Terpenoid	

Tanin	
Saponin	
Uji Sampel Batang semu	Gambar
Alkaloid (dragendrof)	
Alkaloid (Mayer)	
Flavonoid	

Terpenoid	
Tanin	
Saponin	

Lampiran 4. Uji Kadar Fenol Total

	Larutan Sampel												
	Pengukuran Absorbansi Fenol												
Kurva Kalibrasi  Absorbansi $y = 0,0398x - 0,1343$ $R^2 = 0,9897$ Konsentrasi <table><tr><th>Konsentrasi</th><th>Absorbansi</th></tr><tr><td>25</td><td>0,9</td></tr><tr><td>30</td><td>1,0</td></tr><tr><td>35</td><td>1,2</td></tr><tr><td>40</td><td>1,4</td></tr><tr><td>45</td><td>1,6</td></tr></table>	Konsentrasi	Absorbansi	25	0,9	30	1,0	35	1,2	40	1,4	45	1,6	Kurva Kalibrasi
Konsentrasi	Absorbansi												
25	0,9												
30	1,0												
35	1,2												
40	1,4												
45	1,6												

Lampiran 5. Perhitungan Kadar Fenol Total Ekstrak Etanol Batang semu
Etlingera flexuosa

REGRESI LINIER

y = Absorbansi sampel

x = Konsentrasi

$$y = 0,0398x + 0,1343$$

Penyelesaian :

$$x = \frac{(0,298 - 0,1343)}{0,0398}$$

$$x = 4,1 \text{ ppm}$$

$$\begin{aligned} \text{Berat Fenol} &= 4,1 \text{ mg/L} \times 0,05 \text{ L} \\ &= 0,205 \text{ mg} \end{aligned}$$

$$\begin{aligned} \text{Kadar} &= \frac{0,205 \text{ mg}}{5 \text{ mg}} \times 100\% \\ &= 4,1\% \end{aligned}$$

$$\begin{aligned} \text{GAE} &= \frac{4,1\%}{5 \text{ mg}} \times 1000 \text{ mg/g} \\ &= 41 \text{ mg/g} \end{aligned}$$

Lampiran 6. Perhitungan Kadar Fenol Total Ekstrak Etanol Daun *Etlingera flexuosa*

REGRESI LINIER

Diketahui :

y = Absorbansi Sampel

x = Konsentrasi

$$y = 0,0398x + 0,1343$$

Penyelesaian :

$$x = \frac{0,233 - 0,1343}{0,0398}$$

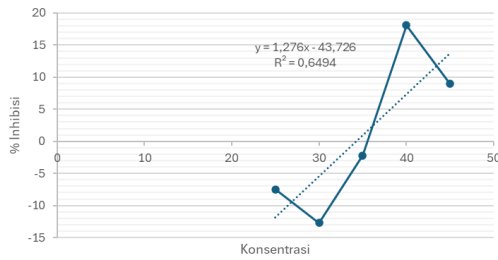
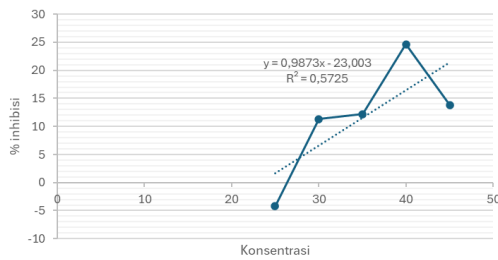
$$x = 2,47 \text{ ppm}$$

$$\begin{aligned} \text{Berat Fenol} &= 2,47 \text{ mg/L} \times 0,05 \text{ L} \\ &= 0,1235 \text{ mg} \end{aligned}$$

$$\begin{aligned} \text{Kadar} &= \frac{0,1235 \text{ mg}}{5 \text{ mg}} \times 100\% \\ &= 2,47 \% \end{aligned}$$

$$\begin{aligned} \text{GAE} &= \frac{0,1235}{5 \text{ mg}} \times 1000 \text{ mg/g} \\ &= 24,7 \text{ mg/g} \end{aligned}$$

Lampiran 7. Uji Aktivitas Antioksidan

	Larutan Sampel
	Pengukuran Absorbansi Antioksidan
Regresi Linier % Inhibisi  % Inhibisi Konsentrasi $y = 1,276x - 43,726$ $R^2 = 0,6494$	Regresi Linier % Inhibisi Ekstrak Daun
Regresi Linier % Inhibisi  % Inhibisi Konsentrasi $y = 0,9873x - 23,003$ $R^2 = 0,5725$	Regresi Linier % Inhibisi Ekstrak Batang semu

Lampiran 8. Perhitungan Aktivitas Antioksidan Ekstrak Etanol Daun *Etlingera flexuosa*

Perhitungan % inhibisi

Rumus :

$$\% \text{ inhibisi} = \frac{\text{Abs. blanko} - \text{Abs. Sampel}}{\text{Abs. blanko}} \times 100\%$$

10 PPM

Replikasi 1

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,512}{0,475} \times 100\% \\ &= -7,7 \% \end{aligned}$$

Replikasi 2

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,511}{0,475} \times 100\% \\ &= -7,5 \% \end{aligned}$$

Replikasi 3

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,510}{0,475} \times 100\% \\ &= -7,3 \% \end{aligned}$$

20 PPM

Replikasi 1

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,535}{0,475} \times 100\% \\ &= -12,6 \% \end{aligned}$$

Replikasi 2

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,537}{0,475} \times 100\% \\ &= -13 \% \end{aligned}$$

Replikasi 3

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,535}{0,475} \times 100\% \\ &= -12,6 \% \end{aligned}$$

30 PPM

Replikasi 1

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,487}{0,475} \times 100\% \\ &= -2,5 \% \end{aligned}$$

Replikasi 2

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,485}{0,475} \times 100\% \end{aligned}$$

$$= -2,1 \%$$

Replikasi 3

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,485}{0,475} \times 100\% \\ &= -2,1 \% \end{aligned}$$

40 PPM

Replikasi 1

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,389}{0,475} \times 100\% \\ &= 18,1 \% \end{aligned}$$

Replikasi 2

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,388}{0,475} \times 100\% \\ &= 18,3 \% \end{aligned}$$

Replikasi 3

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,388}{0,475} \times 100\% \\ &= 18,3 \% \end{aligned}$$

50 PPM

Replikasi 1

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,432}{0,475} \times 100\% \\ &= 9 \% \end{aligned}$$

Replikasi 2

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,433}{0,475} \times 100\% \\ &= 8,8 \% \end{aligned}$$

Replikasi 3

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,434}{0,475} \times 100\% \\ &= 8,6 \% \end{aligned}$$

Lampiran 9. Perhitungan Aktivitas Antioksidan Ekstrak Etanol Batang semu
Etlingera flexuosa

Perhitungan % inhibisi

Rumus :

$$\% \text{ inhibisi} = \frac{\text{Abs. blanko} - \text{Abs. Sampel}}{\text{Abs. blanko}} \times 100\%$$

25 PPM

Replikasi 1

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,495}{0,475} \times 100\% \\ &= -4,2 \% \end{aligned}$$

Replikasi 2

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,495}{0,475} \times 100\% \\ &= -4,2 \% \end{aligned}$$

Replikasi 3

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,495}{0,475} \times 100\% \\ &= -4,2 \% \end{aligned}$$

30 PPM

Replikasi 1

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,420}{0,475} \times 100\% \\ &= 11,5 \% \end{aligned}$$

Replikasi 2

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,421}{0,475} \times 100\% \\ &= 11,3 \% \end{aligned}$$

Replikasi 3

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,422}{0,475} \times 100\% \\ &= 11,1 \% \end{aligned}$$

35 PPM

Replikasi 1

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,418}{0,475} \times 100\% \\ &= 12 \% \end{aligned}$$

Replikasi 2

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,475 - 0,417}{0,475} \times 100\% \\ &= 12,2 \% \end{aligned}$$

Replikasi 3

$$\begin{aligned}\% \text{ inhibisi} &= \frac{0,475 - 0,416}{0,475} \times 100\% \\ &= 12,4 \%\end{aligned}$$

40 PPM**Replikasi 1**

$$\begin{aligned}\% \text{ inhibisi} &= \frac{0,475 - 0,355}{0,475} \times 100\% \\ &= 25,2 \%\end{aligned}$$

Replikasi 2

$$\begin{aligned}\% \text{ inhibisi} &= \frac{0,475 - 0,359}{0,475} \times 100\% \\ &= 24,4 \%\end{aligned}$$

Replikasi 3

$$\begin{aligned}\% \text{ inhibisi} &= \frac{0,475 - 0,359}{0,475} \times 100\% \\ &= 24,4 \%\end{aligned}$$

45 PPM**Replikasi 1**

$$\begin{aligned}\% \text{ inhibisi} &= \frac{0,475 - 0,409}{0,475} \times 100\% \\ &= 13,8\%\end{aligned}$$

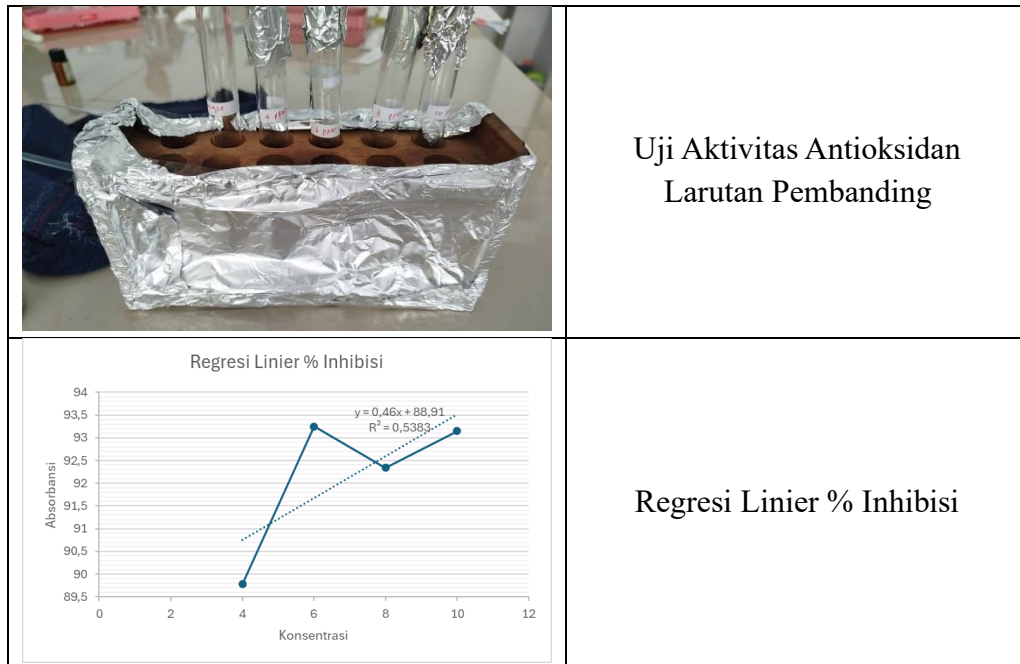
Replikasi 2

$$\begin{aligned}\% \text{ inhibisi} &= \frac{0,475 - 0,409}{0,475} \times 100\% \\ &= 13,8\%\end{aligned}$$

Replikasi 3

$$\begin{aligned}\% \text{ inhibisi} &= \frac{0,475 - 0,410}{0,475} \times 100\% \\ &= 13,6\%\end{aligned}$$

Lampiran 10. Uji Aktivitas Antioksidan Larutan Pembanding



Lampiran 11. Perhitungan Antioksidan Larutan Pembanding Asam Galat

Perhitungan % inhibisi

Rumus :

$$\% \text{ inhibisi} = \frac{\text{Abs. blanko} - \text{Abs. Sampel}}{\text{Abs. blanko}} \times 100\%$$

4 PPM

Replikasi 1

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,692 - 0,075}{0,692} \times 100\% \\ &= 89,16\% \end{aligned}$$

Replikasi 2

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,692 - 0,070}{0,692} \times 100\% \\ &= 89,88\% \end{aligned}$$

Replikasi 3

$$\% \text{ inhibisi} = \frac{0,692 - 0,067}{0,692} \times 100\%$$

$$= 90,31 \%$$

6 PPM

Replikasi 1

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,692 - 0,044}{0,692} \times 100\% \\ &= 93,64 \% \end{aligned}$$

Replikasi 2

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,692 - 0,048}{0,692} \times 100\% \\ &= 93,06 \% \end{aligned}$$

Replikasi 3

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,692 - 0,048}{0,692} \times 100\% \\ &= 93,06 \% \end{aligned}$$

8 PPM

Replikasi 1

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,692 - 0,053}{0,692} \times 100\% \\ &= 92,34 \% \end{aligned}$$

Replikasi 2

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,692 - 0,053}{0,692} \times 100\% \\ &= 92,34 \% \end{aligned}$$

Replikasi 3

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,692 - 0,053}{0,692} \times 100\% \\ &= 92,34 \% \end{aligned}$$

10 PPM

Replikasi 1

$$\begin{aligned} \% \text{ inhibisi} &= \frac{0,692 - 0,048}{0,692} \times 100\% \\ &= 93,06 \% \end{aligned}$$

Replikasi 2

$$\begin{aligned}\% \text{ inhibisi} &= \frac{0,692-0,047}{0,692} \times 100\% \\ &= 93,2 \%\end{aligned}$$

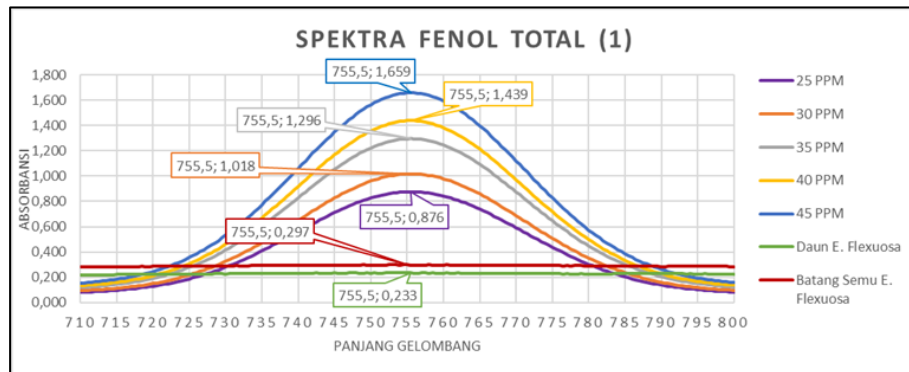
Replikasi 3

$$\begin{aligned}\% \text{ inhibisi} &= \frac{0,692-0,047}{0,692} \times 100\% \\ &= 93,2 \%\end{aligned}$$

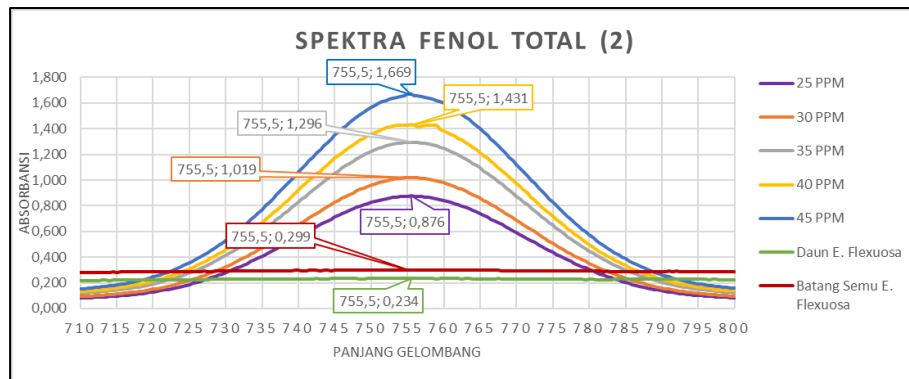
Lampiran 12. Spektra Uji Fenol Total dan Aktivitas Antioksidan

A. Fenol Total

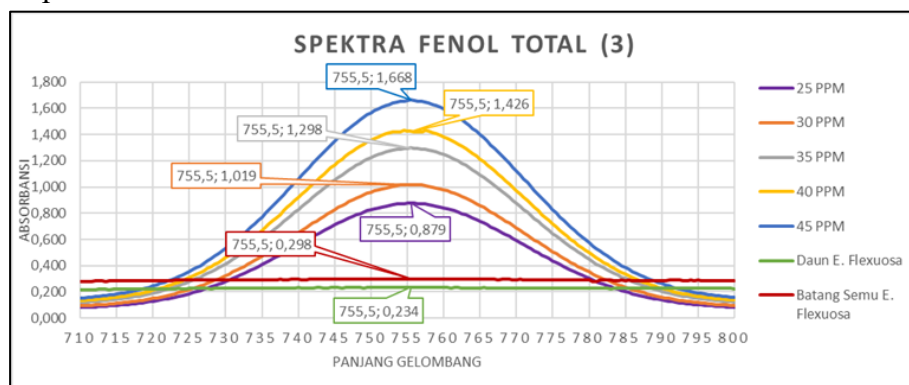
1. Replikasi 1



2. Replikasi 2



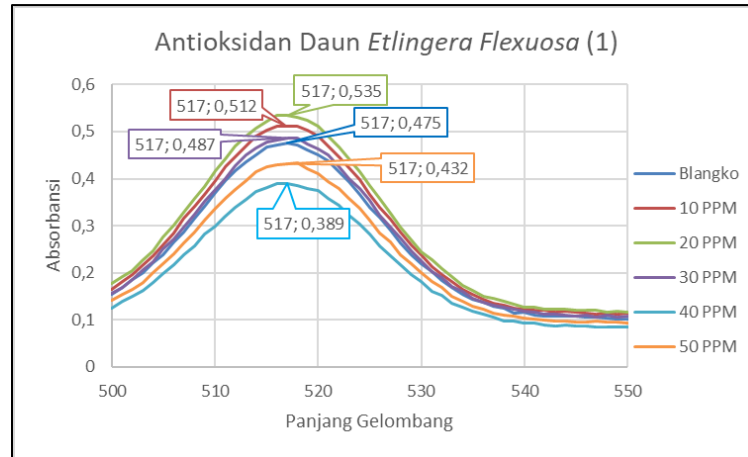
3. Replikasi 3



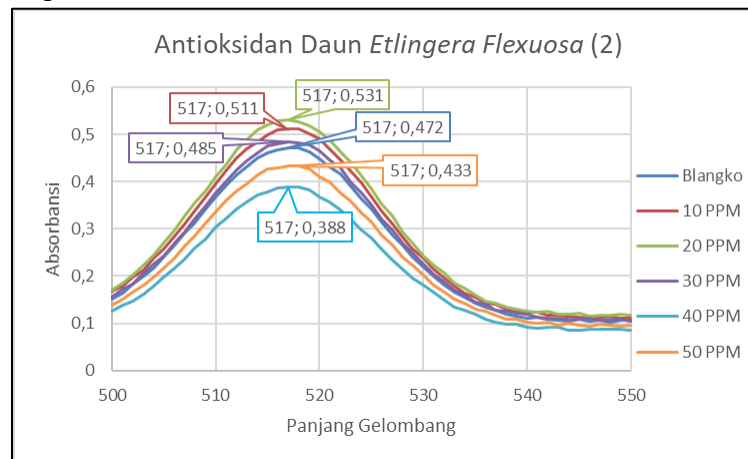
B. Aktivitas Antioksidan

1. Daun *Etlingera Flexuosa*

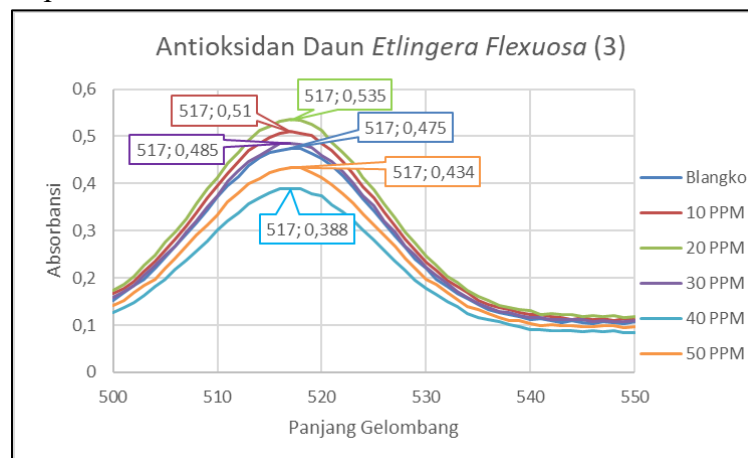
a. Replikasi 1



b. Replikasi 2

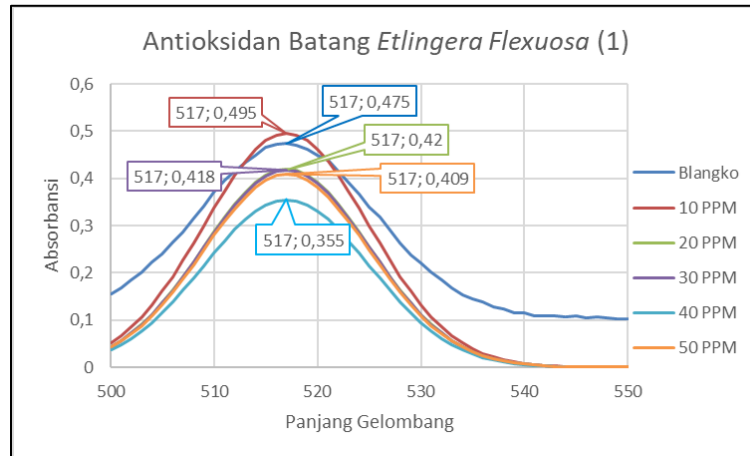


c. Replikasi 3

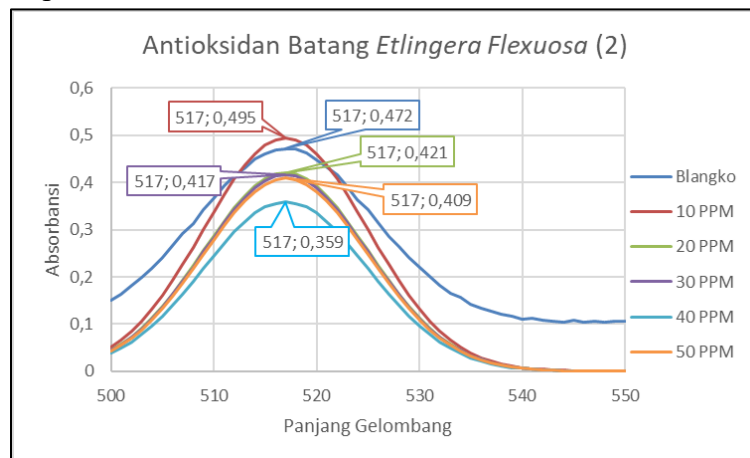


2. Batang Semu *Etlingera Flexuosa*

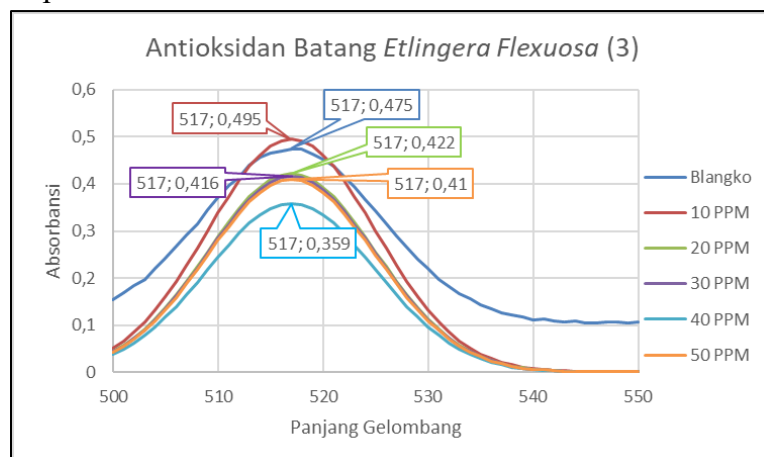
a. Replikasi 1



b. Replikasi 2



c. Replikasi 3



Lampiran 13. Hasil Uji Asumsi Data dan Analisis Data

A. Fenol Total

1. Uji Normalitas (Shapiro-Wilk test)

Tests of Normality							
		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Konsentrasi	Statistic	df	Sig.	Statistic	df	Sig.
Fenol Total	Asam Galat 25 ppm	,253	3	.	,964	3	,637
	Asam Galat 30 ppm	,175	3	.	1,000	3	1,000
	Asam Galat 35 ppm	,175	3	.	1,000	3	1,000
	Asam Galat 40 ppm	,227	3	.	,983	3	,747
	E.Flexuosa Daun	,181	3	.	,999	3	,942
	E. Flexuosa Batang	,175	3	.	1,000	3	1,000
a. Lilliefors Significance Correction							

2. Uji Homogenitas (Levene Statistic)

Tests of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
Fenol Total	Based on Mean	2,914	5	12	,060
	Based on Median	2,178	5	12	,125
	Based on Median and with adjusted df	2,178	5	4,457	,221
	Based on trimmed mean	2,874	5	12	,062

3. Uji Anova (One Way Anova)

a. Uji Anova

ANOVA					
Fenol Total					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3,515	5	,703	30349,247	<,001
Within Groups	,000	12	,000		
Total	3,516	17			

b. Post Hoc

Multiple Comparisons							
Dependent Variable: Fenol Total							
	(I) Konsentrasi	(J) Konsentrasi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
Tukey HSD	Asam Galat 25 ppm	Asam Galat 30 ppm	-,14167*	,00393	<,001	-,1549	-,1285
		Asam Galat 35 ppm	-,42067*	,00393	<,001	-,4339	-,4075
		Asam Galat 40 ppm	-,55567*	,00393	<,001	-,5689	-,5425
		E.Flexuosa Daun	-,79233*	,00393	<,001	-,8055	-,7791
		E. Flexuosa Batang	,64233*	,00393	<,001	,6291	,6555
	Asam Galat 30 ppm	Asam Galat 25 ppm	,14167*	,00393	<,001	,1285	,1549
		Asam Galat 35 ppm	-,27900*	,00393	<,001	-,2922	-,2658
		Asam Galat 40 ppm	-,41400*	,00393	<,001	-,4272	-,4008
		E.Flexuosa Daun	-,65067*	,00393	<,001	-,6639	-,6375
		E. Flexuosa Batang	,78400*	,00393	<,001	,7708	,7972
	Asam Galat 35 ppm	Asam Galat 25 ppm	,42067*	,00393	<,001	,4075	,4339
		Asam Galat 30 ppm	,27900*	,00393	<,001	,2658	,2922
		Asam Galat 40 ppm	-,13500*	,00393	<,001	-,1482	-,1218
		E.Flexuosa Daun	-,37167*	,00393	<,001	-,3849	-,3585
		E. Flexuosa Batang	1,06300*	,00393	<,001	1,0498	1,0762
	Asam Galat 40 ppm	Asam Galat 25 ppm	,55567*	,00393	<,001	,5425	,5689
		Asam Galat 30 ppm	,41400*	,00393	<,001	,4008	,4272
		Asam Galat 35 ppm	,13500*	,00393	<,001	,1218	,1482
		E.Flexuosa Daun	-,23667*	,00393	<,001	-,2499	-,2235
		E. Flexuosa Batang	1,19800*	,00393	<,001	1,1848	1,2112
	E.Flexuosa Daun	Asam Galat 25 ppm	,79233*	,00393	<,001	,7791	,8055
		Asam Galat 30 ppm	,65067*	,00393	<,001	,6375	,6639
		Asam Galat 35 ppm	,37167*	,00393	<,001	,3585	,3849
		Asam Galat 40 ppm	,23667*	,00393	<,001	,2235	,2499
		E. Flexuosa Batang	1,43467*	,00393	<,001	1,4215	1,4479
	E. Flexuosa Batang	Asam Galat 25 ppm	-,64233*	,00393	<,001	-,6555	-,6291
		Asam Galat 30 ppm	-,78400*	,00393	<,001	-,7972	-,7708
		Asam Galat 35 ppm	-1,06300*	,00393	<,001	-1,0762	-1,0498
		Asam Galat 40 ppm	-1,19800*	,00393	<,001	-1,2112	-1,1848
		E.Flexuosa Daun	-1,43467*	,00393	<,001	-1,4479	-1,4215

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

c. Homogeneous Subsets

Fenol Total							
Tukey HSD ^a							
Konsentrasi	N	Subset for alpha = 0.05					
		1	2	3	4	5	6
E. Flexuosa Batang	3	,2340					
Asam Galat 25 ppm	3		,8763				
Asam Galat 30 ppm	3			1,0180			
Asam Galat 35 ppm	3				1,2970		
Asam Galat 40 ppm	3					1,4320	
E.Flexuosa Daun	3						1,6687
Sig.		1,000	1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

B. Antioksidan

1. Uji Normalitas (Shapiro-Wilk test)

Tests of Normality							
		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Konsentrasi	Statistic	df	Sig.	Statistic	df	Sig.
Antioksidan	Antioksidan Daun 25 ppm	,175	3	.	1,000	3	1,000
	Antioksidan Daun 30 ppm	,175	3	.	1,000	3	1,000
	Antioksidan Daun 35 ppm	,253	3	.	,964	3	,637
	Antioksidan Daun 40 ppm	,175	3	.	1,000	3	1,000
	Antioksidan Daun 45 ppm	,175	3	.	1,000	3	1,000
	Antioksidan Batang 25 ppm	,175	3	.	1,000	3	1,000
	Antioksidan Batang 30 ppm	,253	3	.	,964	3	,637
	Antioksidan Batang 35 ppm	,175	3	.	1,000	3	1,000
	Antioksidan Batang 40 ppm	,292	3	.	,923	3	,463
	Antioksidan Batang 45 ppm	,253	3	.	,964	3	,637
	Asam Galat 4 ppm	,232	3	.	,980	3	,726
	Asam Galat 6 ppm	,175	3	.	1,000	3	1,000
	Asam Galat 8 ppm	,175	3	.	1,000	3	1,000
	Asam Galat 10 ppm	,175	3	.	1,000	3	1,000

a. Lilliefors Significance Correction

2. Uji Homogenitas (Levene Statistic)

Tests of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
Antioksidan	Based on Mean	1,589	13	28	,148
	Based on Median	,800	13	28	,655
	Based on Median and with adjusted df	,800	13	9,584	,653
	Based on trimmed mean	1,533	13	28	,167

3. Uji Anova (One Way Anova)

a. Uji Anova

ANOVA					
Antioksidan					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	67286,034	13	5175,849	76038,213	<,001
Within Groups	1,906	28	,068		
Total	67287,940	41			

b. Post Hoc Test

Multiple Comparisons							
Dependent Variable: Antioksidan							
		Mean Difference			95% Confidence Interval		
(I) Konsentrasi	(J) Konsentrasi	(I-J)	Std. Error	Sig.	Lower Bound	Upper Bound	
Tukey HSD	Antioksidan Daun 25 ppm	Antioksidan Daun 30 ppm	-.02500 [*]	.00137	.000	-.0300	-.0200
		Antioksidan Daun 35 ppm	.02567 [*]	.00137	.000	.0206	.0307
		Antioksidan Daun 40 ppm	.12300 [*]	.00137	.000	.1180	.1280
		Antioksidan Daun 45 ppm	.07800 [*]	.00137	.000	.0730	.0830
		Antioksidan Batang 25 ppm	.01600 [*]	.00137	.000	.0110	.0210
		Antioksidan Batang 30 ppm	.08967 [*]	.00137	.000	.0846	.0947
		Antioksidan Batang 35 ppm	.09400 [*]	.00137	.000	.0890	.0990
		Antioksidan Batang 40 ppm	.15433 [*]	.00137	.000	.1493	.1594
		Antioksidan Batang 45 ppm	.10233 [*]	.00137	.000	.0973	.1074
		Asam Galat 4 ppm	.44033 [*]	.00137	.000	.4353	.4454
		Asam Galat 6 ppm	.46500 [*]	.00137	.000	.4600	.4700
		Asam Galat 8 ppm	.45900 [*]	.00137	.000	.4540	.4640
	Antioksidan Daun 30 ppm	Asam Galat 10 ppm	.46300 [*]	.00137	.000	.4580	.4680
		Antioksidan Daun 25 ppm	.02500 [*]	.00137	.000	.0200	.0300
		Antioksidan Daun 35 ppm	.05067 [*]	.00137	.000	.0456	.0557
		Antioksidan Daun 40 ppm	.14800 [*]	.00137	.000	.1430	.1530
		Antioksidan Daun 45 ppm	.10300 [*]	.00137	.000	.0980	.1080
		Antioksidan Batang 25 ppm	.04100 [*]	.00137	.000	.0360	.0460
		Antioksidan Batang 30 ppm	.11467 [*]	.00137	.000	.1096	.1197
		Antioksidan Batang 35 ppm	.11900 [*]	.00137	.000	.1140	.1240
		Antioksidan Batang 40 ppm	.17933 [*]	.00137	.000	.1743	.1844
		Antioksidan Batang 45 ppm	.12733 [*]	.00137	.000	.1223	.1324
		Asam Galat 4 ppm	.46533 [*]	.00137	.000	.4603	.4704
		Asam Galat 6 ppm	.49000 [*]	.00137	.000	.4850	.4950
	Asam Galat 8 ppm	.48400 [*]	.00137	.000	.4790	.4890	
	Asam Galat 10 ppm	.48800 [*]	.00137	.000	.4830	.4930	
	Antioksidan Daun 35 ppm	Antioksidan Daun 25 ppm	-.02567 [*]	.00137	.000	-.0307	-.0206
		Antioksidan Daun 30 ppm	-.05067 [*]	.00137	.000	-.0557	-.0456
		Antioksidan Daun 40 ppm	.09733 [*]	.00137	.000	.0923	.1024
		Antioksidan Daun 45 ppm	.05233 [*]	.00137	.000	.0473	.0574
		Antioksidan Batang 25 ppm	-.00967 [*]	.00137	.000	-.0147	-.0046
		Antioksidan Batang 30 ppm	.06400 [*]	.00137	.000	.0590	.0690
Antioksidan Batang 35 ppm		.06833 [*]	.00137	.000	.0633	.0734	
Antioksidan Batang 40 ppm		.12867 [*]	.00137	.000	.1236	.1337	
Antioksidan Batang 45 ppm		.07667 [*]	.00137	.000	.0716	.0817	
Asam Galat 4 ppm		.41467 [*]	.00137	.000	.4096	.4197	
Asam Galat 6 ppm		.43933 [*]	.00137	.000	.4343	.4444	
Asam Galat 8 ppm		.43333 [*]	.00137	.000	.4283	.4384	
Asam Galat 10 ppm		.43733 [*]	.00137	.000	.4323	.4424	
Antioksidan Daun 40 ppm		Antioksidan Daun 25 ppm	-.12300 [*]	.00137	.000	-.1280	-.1180
		Antioksidan Daun 30 ppm	-.14800 [*]	.00137	.000	-.1530	-.1430
		Antioksidan Daun 35 ppm	-.09733 [*]	.00137	.000	-.1024	-.0923
		Antioksidan Daun 45 ppm	-.04500 [*]	.00137	.000	-.0500	-.0400
		Antioksidan Batang 25 ppm	-.10700 [*]	.00137	.000	-.1120	-.1020
		Antioksidan Batang 30 ppm	-.03333 [*]	.00137	.000	-.0384	-.0283
		Antioksidan Batang 35 ppm	-.02900 [*]	.00137	.000	-.0340	-.0240
		Antioksidan Batang 40 ppm	.03133 [*]	.00137	.000	.0263	.0364
		Antioksidan Batang 45 ppm	-.02067 [*]	.00137	.000	-.0257	-.0156
		Asam Galat 4 ppm	.31733 [*]	.00137	.000	.3123	.3224
		Asam Galat 6 ppm	.34200 [*]	.00137	.000	.3370	.3470
		Asam Galat 8 ppm	.33600 [*]	.00137	.000	.3310	.3410
Asam Galat 10 ppm		.34000 [*]	.00137	.000	.3350	.3450	

Antioksidan Daun 45 ppm	Antioksidan Daun 25 ppm	-.07800'	.00137	.000	-.0830	-.0730
	Antioksidan Daun 30 ppm	-.10300'	.00137	.000	-.1080	-.0980
	Antioksidan Daun 35 ppm	-.05233'	.00137	.000	-.0574	-.0473
	Antioksidan Daun 40 ppm	.04500'	.00137	.000	.0400	.0500
	Antioksidan Batang 25 ppm	-.06200'	.00137	.000	-.0670	-.0570
	Antioksidan Batang 30 ppm	.01167'	.00137	.000	.0066	.0167
	Antioksidan Batang 35 ppm	.01600'	.00137	.000	.0110	.0210
	Antioksidan Batang 40 ppm	.07633'	.00137	.000	.0713	.0814
	Antioksidan Batang 45 ppm	.02433'	.00137	.000	.0193	.0294
	Asam Galat 4 ppm	.36233'	.00137	.000	.3573	.3674
	Asam Galat 6 ppm	.38700'	.00137	.000	.3820	.3920
	Asam Galat 8 ppm	.38100'	.00137	.000	.3760	.3860
	Asam Galat 10 ppm	.38500'	.00137	.000	.3800	.3900
Antioksidan Batang 25 ppm	Antioksidan Daun 25 ppm	-.01600'	.00137	.000	-.0210	-.0110
	Antioksidan Daun 30 ppm	-.04100'	.00137	.000	-.0460	-.0360
	Antioksidan Daun 35 ppm	.00967'	.00137	.000	.0046	.0147
	Antioksidan Daun 40 ppm	.10700'	.00137	.000	.1020	.1120
	Antioksidan Daun 45 ppm	.06200'	.00137	.000	.0570	.0670
	Antioksidan Batang 30 ppm	.07367'	.00137	.000	.0686	.0787
	Antioksidan Batang 35 ppm	.07800'	.00137	.000	.0730	.0830
	Antioksidan Batang 40 ppm	.13833'	.00137	.000	.1333	.1434
	Antioksidan Batang 45 ppm	.08633'	.00137	.000	.0813	.0914
	Asam Galat 4 ppm	.42433'	.00137	.000	.4193	.4294
	Asam Galat 6 ppm	.44900'	.00137	.000	.4440	.4540
	Asam Galat 8 ppm	.44300'	.00137	.000	.4380	.4480
	Asam Galat 10 ppm	.44700'	.00137	.000	.4420	.4520
Antioksidan Batang 30 ppm	Antioksidan Daun 25 ppm	-.08967'	.00137	.000	-.0947	-.0846
	Antioksidan Daun 30 ppm	-.11467'	.00137	.000	-.1197	-.1096
	Antioksidan Daun 35 ppm	-.06400'	.00137	.000	-.0690	-.0590
	Antioksidan Daun 40 ppm	.03333'	.00137	.000	.0283	.0384
	Antioksidan Daun 45 ppm	-.01167'	.00137	.000	-.0167	-.0066
	Antioksidan Batang 25 ppm	-.07367'	.00137	.000	-.0787	-.0686
	Antioksidan Batang 35 ppm	.00433	.00137	.147	-.0007	.0094
	Antioksidan Batang 40 ppm	.06467'	.00137	.000	.0596	.0697
	Antioksidan Batang 45 ppm	.01267'	.00137	.000	.0076	.0177
	Asam Galat 4 ppm	.35067'	.00137	.000	.3456	.3557
	Asam Galat 6 ppm	.37533'	.00137	.000	.3703	.3804
	Asam Galat 8 ppm	.36933'	.00137	.000	.3643	.3744
	Asam Galat 10 ppm	.37333'	.00137	.000	.3683	.3784
Antioksidan Batang 35 ppm	Antioksidan Daun 25 ppm	-.09400'	.00137	.000	-.0990	-.0890
	Antioksidan Daun 30 ppm	-.11900'	.00137	.000	-.1240	-.1140
	Antioksidan Daun 35 ppm	-.06833'	.00137	.000	-.0734	-.0633
	Antioksidan Daun 40 ppm	.02900'	.00137	.000	.0240	.0340
	Antioksidan Daun 45 ppm	-.01600'	.00137	.000	-.0210	-.0110
	Antioksidan Batang 25 ppm	-.07800'	.00137	.000	-.0830	-.0730
	Antioksidan Batang 30 ppm	-.00433	.00137	.147	-.0094	.0007
	Antioksidan Batang 40 ppm	.06033'	.00137	.000	.0553	.0654
	Antioksidan Batang 45 ppm	.00833'	.00137	.000	.0033	.0134
	Asam Galat 4 ppm	.34633'	.00137	.000	.3413	.3514
	Asam Galat 6 ppm	.37100'	.00137	.000	.3660	.3760
	Asam Galat 8 ppm	.36500'	.00137	.000	.3600	.3700
	Asam Galat 10 ppm	.36900'	.00137	.000	.3640	.3740

Antioksidan Batang 40 ppm	Antioksidan Daun 25 ppm	-,15433'	,00137	,000	-,1594	-,1493
	Antioksidan Daun 30 ppm	-,17933'	,00137	,000	-,1844	-,1743
	Antioksidan Daun 35 ppm	-,12867'	,00137	,000	-,1337	-,1236
	Antioksidan Daun 40 ppm	-,03133'	,00137	,000	-,0364	-,0263
	Antioksidan Daun 45 ppm	-,07633'	,00137	,000	-,0814	-,0713
	Antioksidan Batang 25 ppm	-,13833'	,00137	,000	-,1434	-,1333
	Antioksidan Batang 30 ppm	-,06467'	,00137	,000	-,0697	-,0596
	Antioksidan Batang 35 ppm	-,06033'	,00137	,000	-,0654	-,0553
	Antioksidan Batang 45 ppm	-,05200'	,00137	,000	-,0570	-,0470
	Asam Galat 4 ppm	,28600'	,00137	,000	,2810	,2910
	Asam Galat 6 ppm	,31067'	,00137	,000	,3056	,3157
	Asam Galat 8 ppm	,30467'	,00137	,000	,2996	,3097
	Asam Galat 10 ppm	,30867'	,00137	,000	,3036	,3137
Antioksidan Batang 45 ppm	Antioksidan Daun 25 ppm	-,10233'	,00137	,000	-,1074	-,0973
	Antioksidan Daun 30 ppm	-,12733'	,00137	,000	-,1324	-,1223
	Antioksidan Daun 35 ppm	-,07667'	,00137	,000	-,0817	-,0716
	Antioksidan Daun 40 ppm	,02067'	,00137	,000	,0156	,0257
	Antioksidan Daun 45 ppm	-,02433'	,00137	,000	-,0294	-,0193
	Antioksidan Batang 25 ppm	-,08633'	,00137	,000	-,0914	-,0813
	Antioksidan Batang 30 ppm	-,01267'	,00137	,000	-,0177	-,0076
	Antioksidan Batang 35 ppm	-,00833'	,00137	,000	-,0134	-,0033
	Antioksidan Batang 40 ppm	,05200'	,00137	,000	,0470	,0570
	Asam Galat 4 ppm	,33800'	,00137	,000	,3330	,3430
	Asam Galat 6 ppm	,36267'	,00137	,000	,3576	,3677
	Asam Galat 8 ppm	,35667'	,00137	,000	,3516	,3617
	Asam Galat 10 ppm	,36067'	,00137	,000	,3556	,3657
Asam Galat 4 ppm	Antioksidan Daun 25 ppm	-,44033'	,00137	,000	-,4454	-,4353
	Antioksidan Daun 30 ppm	-,46533'	,00137	,000	-,4704	-,4603
	Antioksidan Daun 35 ppm	-,41467'	,00137	,000	-,4197	-,4096
	Antioksidan Daun 40 ppm	-,31733'	,00137	,000	-,3224	-,3123
	Antioksidan Daun 45 ppm	-,36233'	,00137	,000	-,3674	-,3573
	Antioksidan Batang 25 ppm	-,42433'	,00137	,000	-,4294	-,4193
	Antioksidan Batang 30 ppm	-,35067'	,00137	,000	-,3557	-,3456
	Antioksidan Batang 35 ppm	-,34633'	,00137	,000	-,3514	-,3413
	Antioksidan Batang 40 ppm	-,28600'	,00137	,000	-,2910	-,2810
	Antioksidan Batang 45 ppm	-,33800'	,00137	,000	-,3430	-,3330
	Asam Galat 6 ppm	,02467'	,00137	,000	,0196	,0297
	Asam Galat 8 ppm	,01867'	,00137	,000	,0136	,0237
	Asam Galat 10 ppm	,02267'	,00137	,000	,0176	,0277
Asam Galat 6 ppm	Antioksidan Daun 25 ppm	-,46500'	,00137	,000	-,4700	-,4600
	Antioksidan Daun 30 ppm	-,49000'	,00137	,000	-,4950	-,4850
	Antioksidan Daun 35 ppm	-,43933'	,00137	,000	-,4444	-,4343
	Antioksidan Daun 40 ppm	-,34200'	,00137	,000	-,3470	-,3370
	Antioksidan Daun 45 ppm	-,38700'	,00137	,000	-,3920	-,3820
	Antioksidan Batang 25 ppm	-,44900'	,00137	,000	-,4540	-,4440
	Antioksidan Batang 30 ppm	-,37533'	,00137	,000	-,3804	-,3703
	Antioksidan Batang 35 ppm	-,37100'	,00137	,000	-,3760	-,3660
	Antioksidan Batang 40 ppm	-,31067'	,00137	,000	-,3157	-,3056
	Antioksidan Batang 45 ppm	-,36267'	,00137	,000	-,3677	-,3576
	Asam Galat 4 ppm	-,02467'	,00137	,000	-,0297	-,0196
	Asam Galat 8 ppm	-,00600'	,00137	,009	-,0110	-,0010
	Asam Galat 10 ppm	-,00200	,00137	,965	-,0070	,0030

Asam Galat 8 ppm	Antioksidan Daun 25 ppm	-.45900 [*]	.00137	.000	-.4640	-.4540
	Antioksidan Daun 30 ppm	-.48400 [*]	.00137	.000	-.4890	-.4790
	Antioksidan Daun 35 ppm	-.43333 [*]	.00137	.000	-.4384	-.4283
	Antioksidan Daun 40 ppm	-.33600 [*]	.00137	.000	-.3410	-.3310
	Antioksidan Daun 45 ppm	-.38100 [*]	.00137	.000	-.3860	-.3760
	Antioksidan Batang 25 ppm	-.44300 [*]	.00137	.000	-.4480	-.4380
	Antioksidan Batang 30 ppm	-.36933 [*]	.00137	.000	-.3744	-.3643
	Antioksidan Batang 35 ppm	-.36500 [*]	.00137	.000	-.3700	-.3600
	Antioksidan Batang 40 ppm	-.30467 [*]	.00137	.000	-.3097	-.2996
	Antioksidan Batang 45 ppm	-.35667 [*]	.00137	.000	-.3617	-.3516
	Asam Galat 4 ppm	-.01867 [*]	.00137	.000	-.0237	-.0136
	Asam Galat 6 ppm	.00600 [*]	.00137	.009	.0010	.0110
	Asam Galat 10 ppm	.00400	.00137	.231	-.0010	.0090
Asam Galat 10 ppm	Antioksidan Daun 25 ppm	-.46300 [*]	.00137	.000	-.4680	-.4580
	Antioksidan Daun 30 ppm	-.48800 [*]	.00137	.000	-.4930	-.4830
	Antioksidan Daun 35 ppm	-.43733 [*]	.00137	.000	-.4424	-.4323
	Antioksidan Daun 40 ppm	-.34000 [*]	.00137	.000	-.3450	-.3350
	Antioksidan Daun 45 ppm	-.38500 [*]	.00137	.000	-.3900	-.3800
	Antioksidan Batang 25 ppm	-.44700 [*]	.00137	.000	-.4520	-.4420
	Antioksidan Batang 30 ppm	-.37333 [*]	.00137	.000	-.3784	-.3683
	Antioksidan Batang 35 ppm	-.36900 [*]	.00137	.000	-.3740	-.3640
	Antioksidan Batang 40 ppm	-.30867 [*]	.00137	.000	-.3137	-.3036
	Antioksidan Batang 45 ppm	-.36067 [*]	.00137	.000	-.3657	-.3556
	Asam Galat 4 ppm	-.02267 [*]	.00137	.000	-.0277	-.0176
	Asam Galat 6 ppm	.00200	.00137	.965	-.0030	.0070
	Asam Galat 8 ppm	-.00400	.00137	.231	-.0090	.0010

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

c. Homogeneous Subsets

		Antioksidan												
		Subset for alpha = 0.05												
Konsentrasi	N	1	2	3	4	5	6	7	8	9	10	11	12	13
Tukey HSD ^a														
Asam Galat 6 ppm	3	,0460												
Asam Galat 10 ppm	3	,0480	,0480											
Asam Galat 8 ppm	3		,0520											
Asam Galat 4 ppm	3			,0707										
Antioksidan Batang 40 ppm	3				,3567									
Antioksidan Daun 40 ppm	3					,3880								
Antioksidan Batang 45 ppm	3						,4087							
Antioksidan Batang 35 ppm	3							,4170						
Antioksidan Batang 30 ppm	3								,4213					
Antioksidan Daun 45 ppm	3									,4330				
Antioksidan Daun 35 ppm	3										,4853			
Antioksidan Batang 25 ppm	3											,4950		
Antioksidan Daun 25 ppm	3												,5110	
Antioksidan Daun 30 ppm	3													,5360
Sig.		,965	,231	1,000	1,000	1,000	1,000	,147	1,000	1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 3,000.

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.