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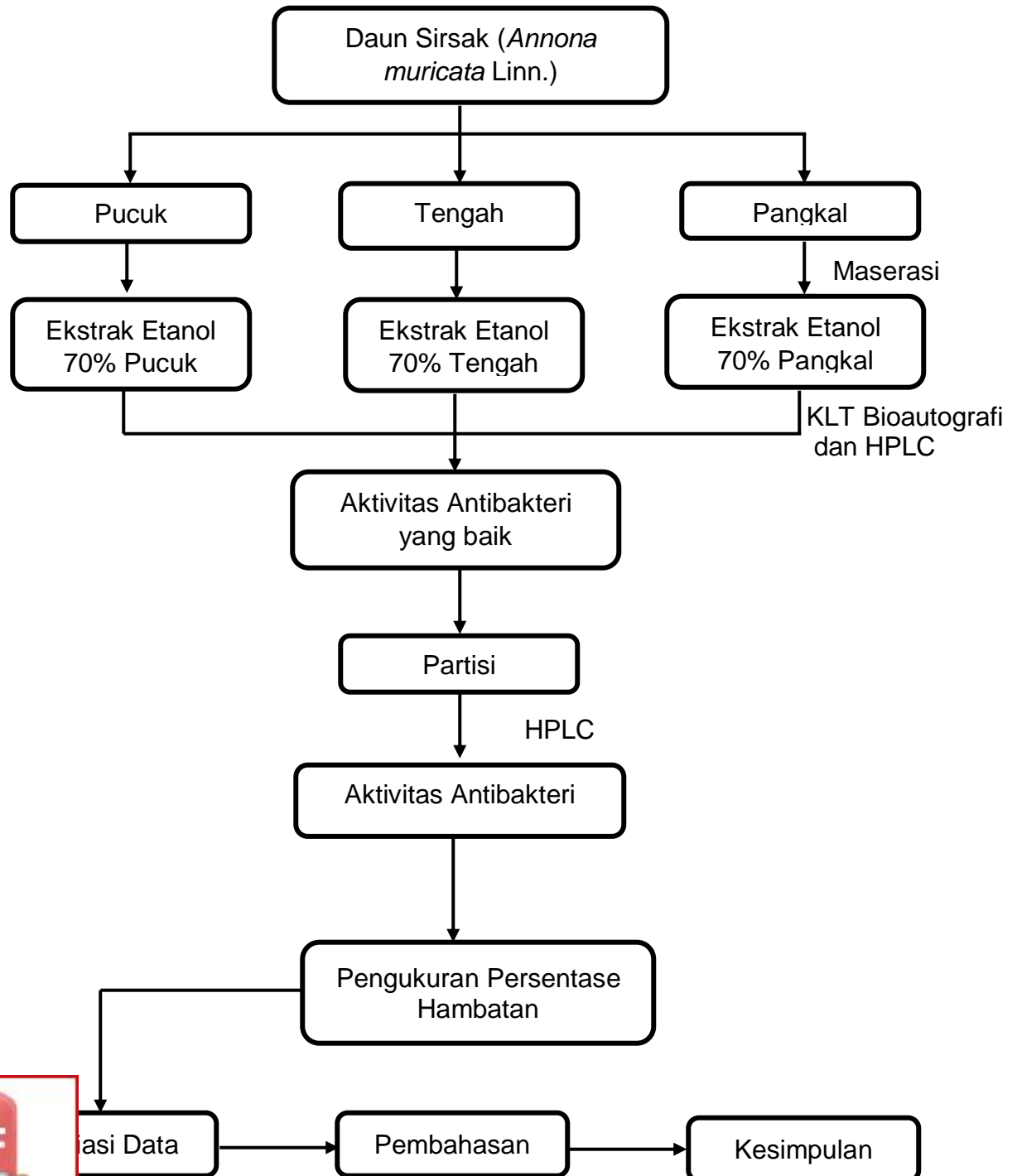
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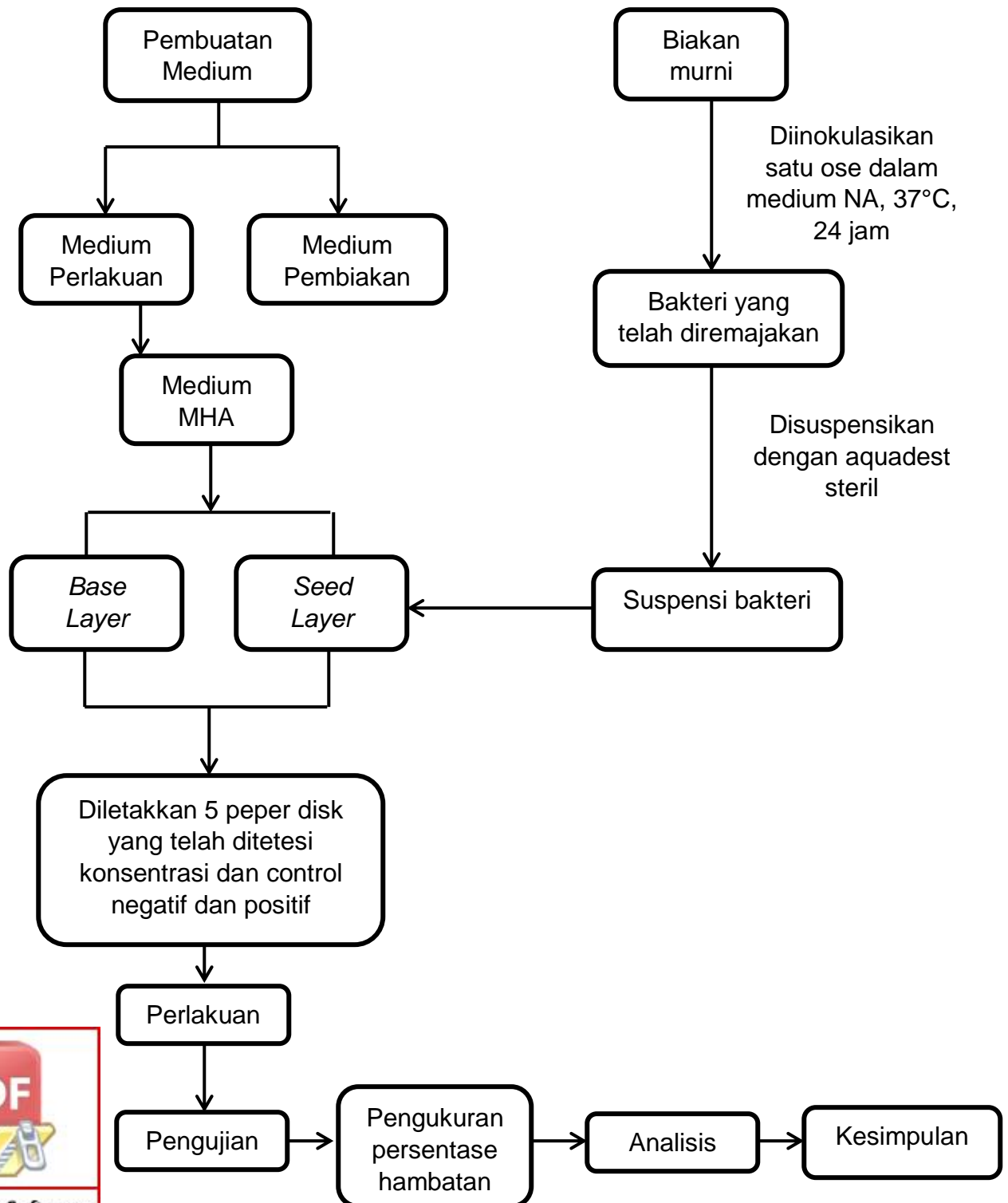
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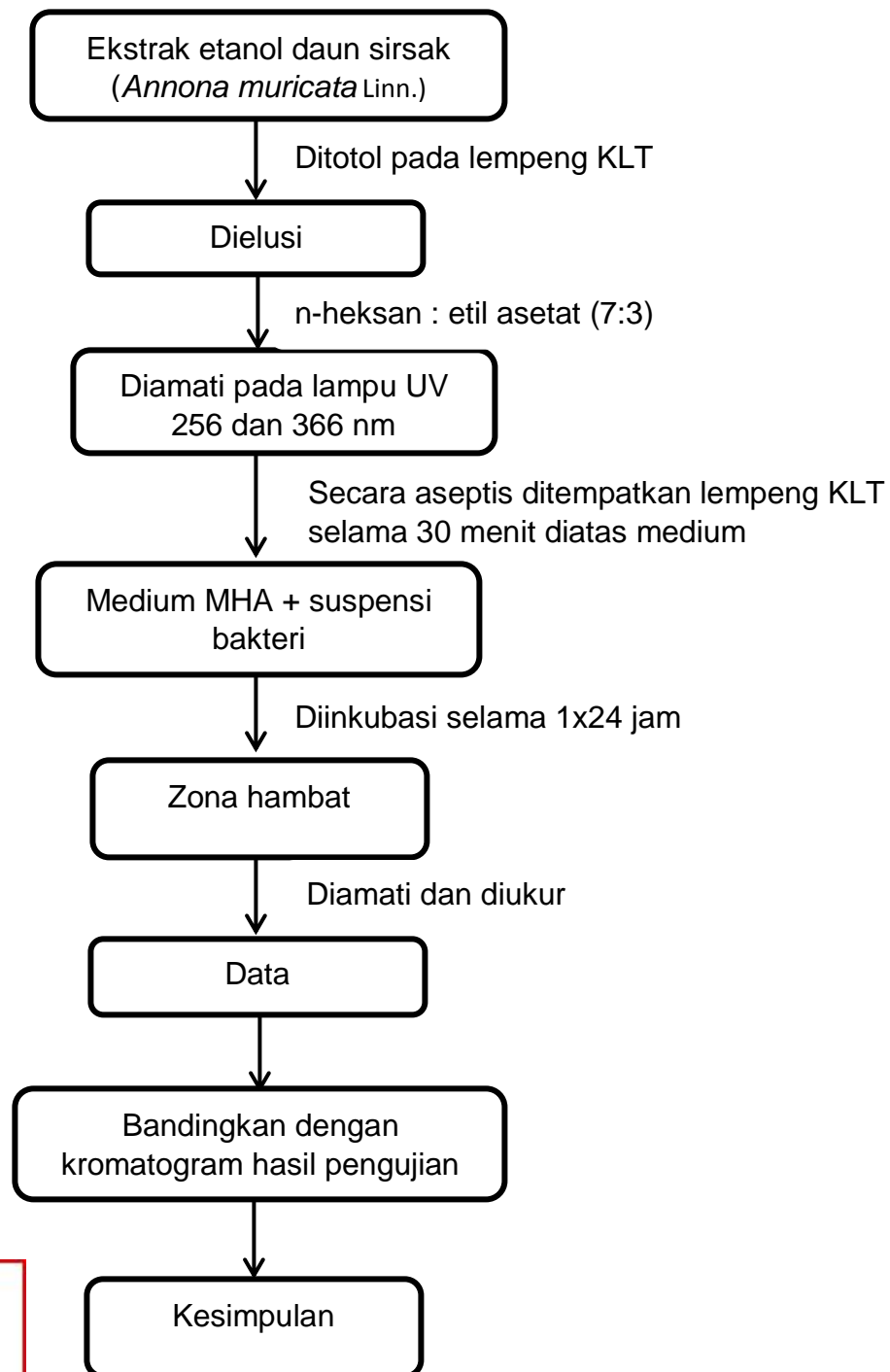


## Lampiran 1 : Skema Kerja Penelitian

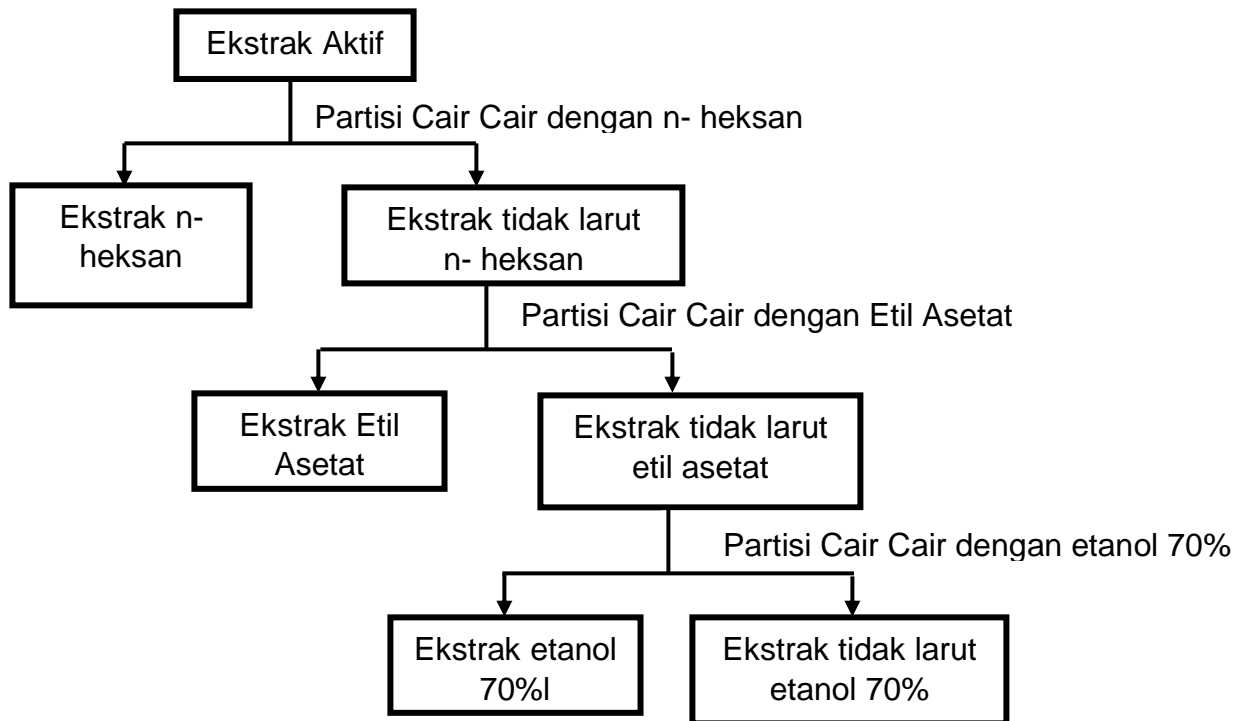


## Lampiran 2: Skema Kerja Aktivitas Antibakteri



**Lampiran 3: Skema kerja pengujian KLT Bioautografi**

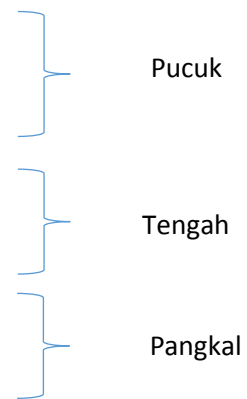


**Lampiran 4: Skema Kerja Partisi Ekstrak aktif**

### Lampiran 5: Tanaman Sirsak



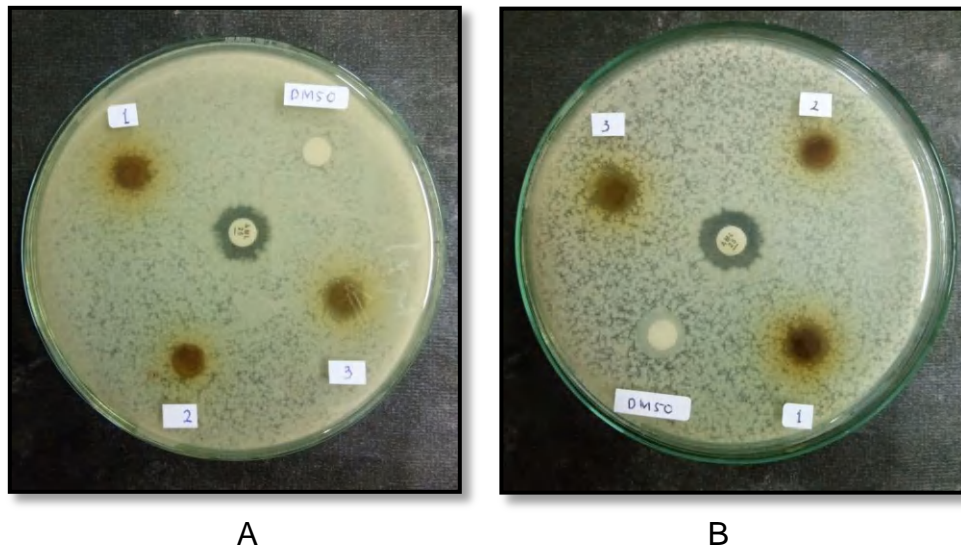
Gambar 11. Tanaman Sirsak



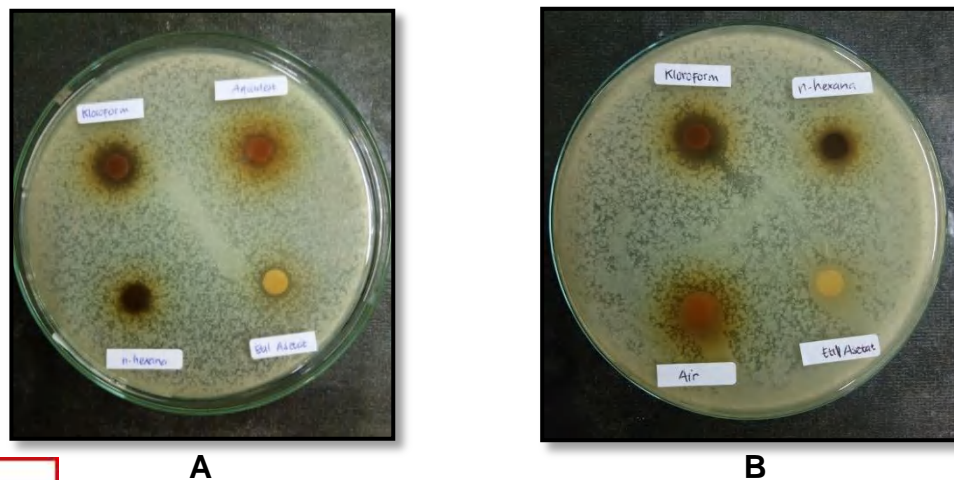
Gambar 12. Daun Sirsak



**Lampiran 6. Gambar Hasil Pengujian Aktivitas Antibakteri Ekstrak Etanol Daun Sirsak**



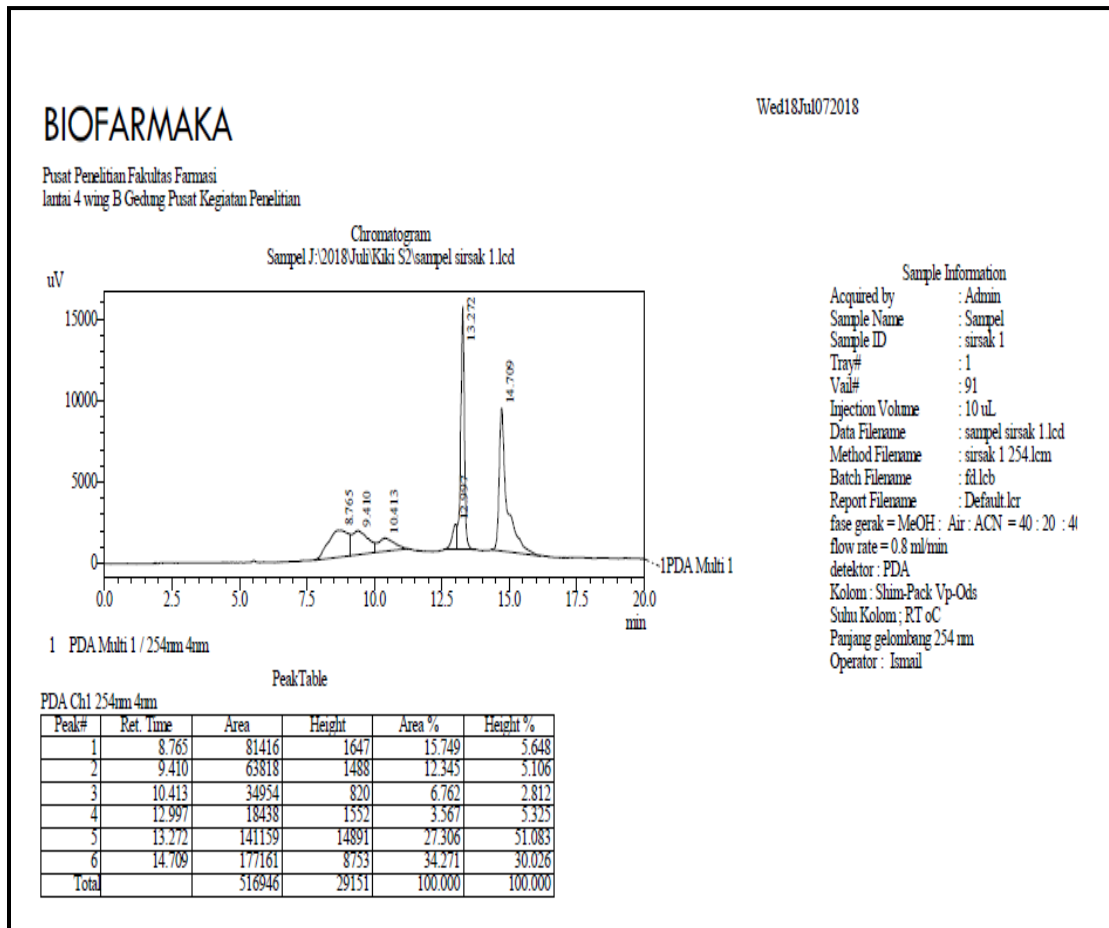
Gambar 13. Gambar Hasil Pengujian Aktivitas Antibakteri Terhadap (A) Bakteri *Staphylococcus aureus* dan (B) Bakteri *Pseudomonas aeruginosa* Ekstrak Etanol Daun Sirsak (1) Pucuk, (2) Tengah dan (3) Pangkal.



14. Hasil Pengujian Aktivitas Antibakteri Fraksi Ekstrak Pucuk Daun Sirsak Terhadap (A) Bakteri *Staphylococcus aureus* dan (B) Bakteri *Pseudomonas aeruginosa*.

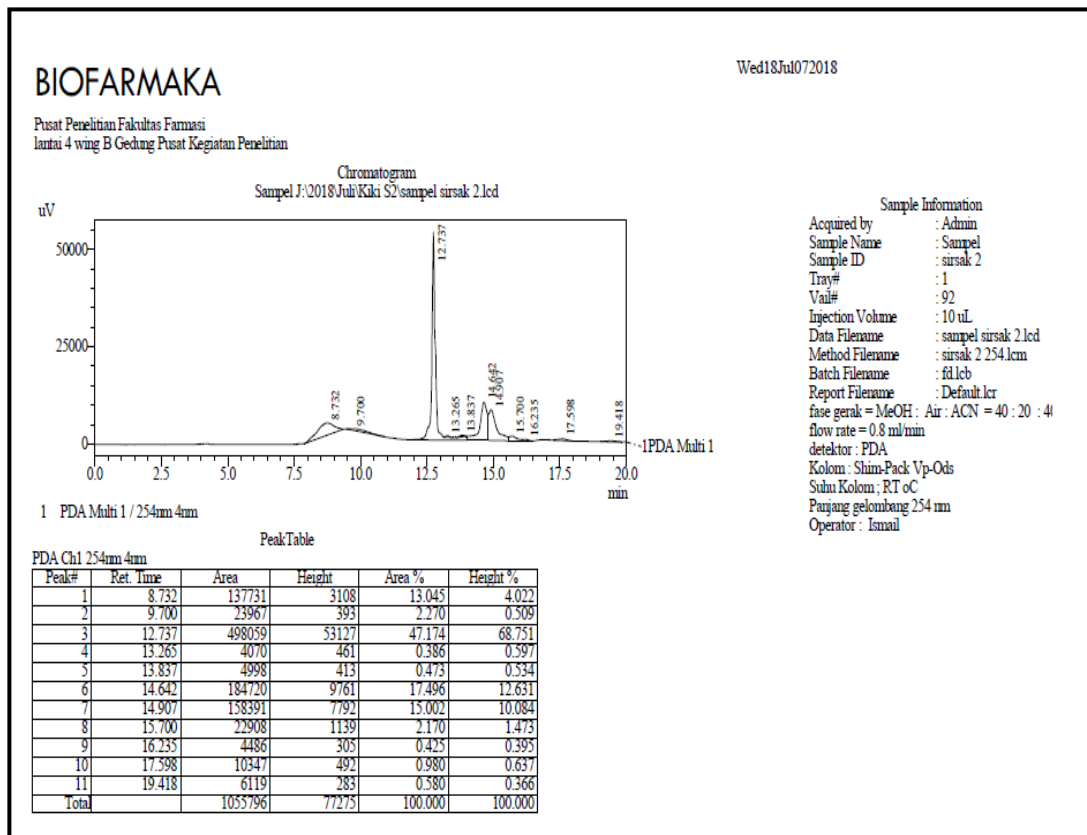


## Lampiran 7. Hasil Profil Kromatogram Daun Sirsak Pada Panjang Gelombang 254 nm



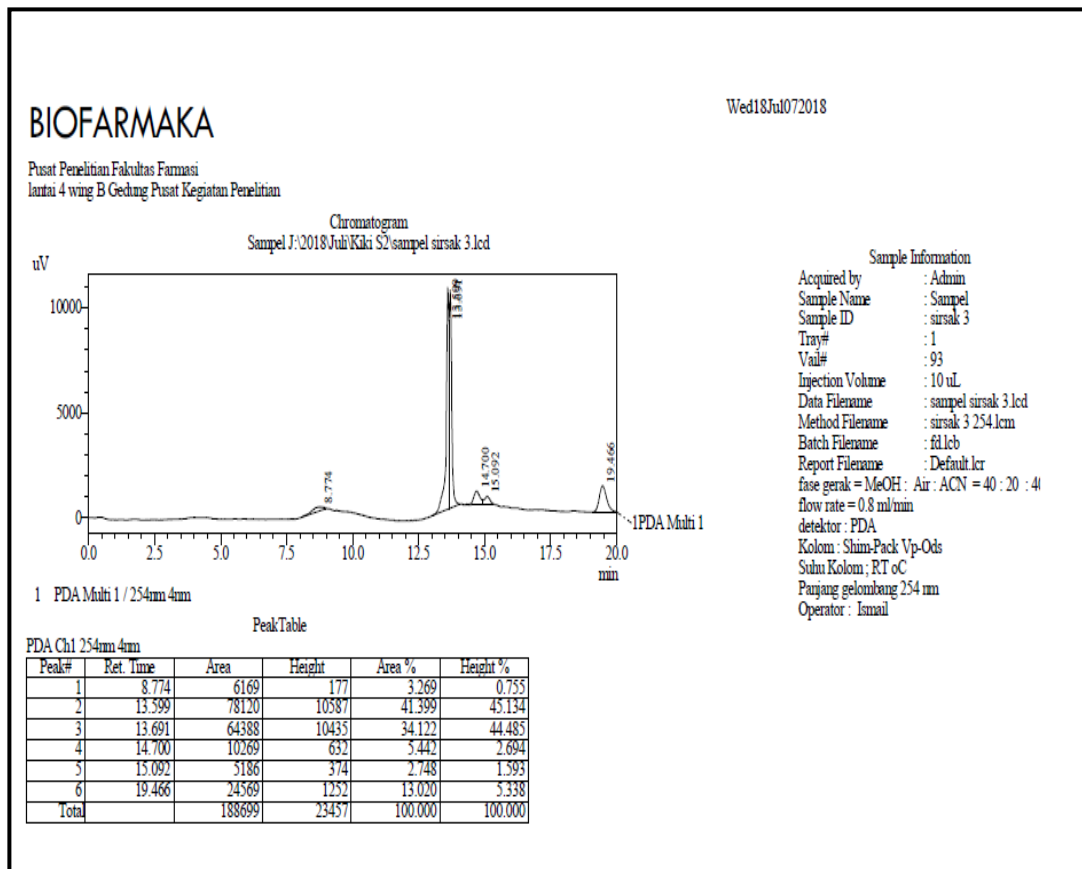
Gambar 15. Hasil Profil Kromatogram Ekstrak Etanol Pucuk Daun Sirsak (*Annona muricata* Linn.)





Gambar 16. Hasil Profil Kromatogram Ekstrak Etanol Tengah Daun Sirsak (*Annona muricata* Linn.)

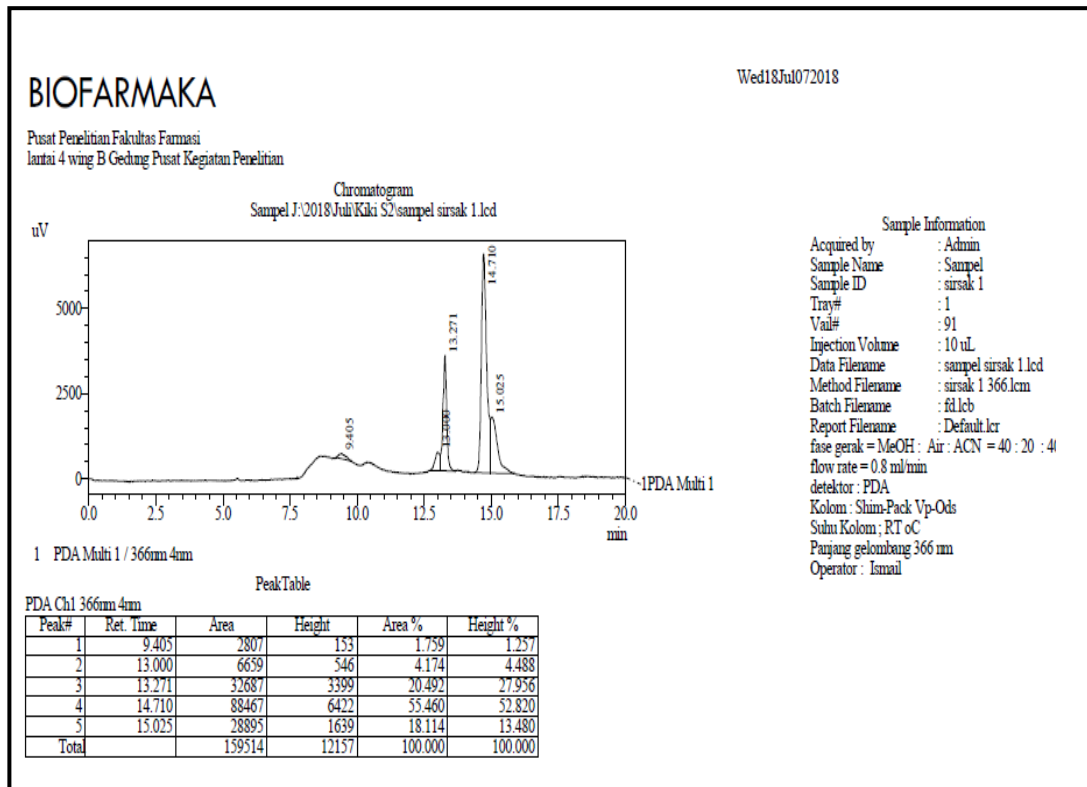




Gambar 17. Hasil Profil Kromatogram Ekstrak Etanol Pangkal Daun Sirsak (*Annona muricata* Linn.)

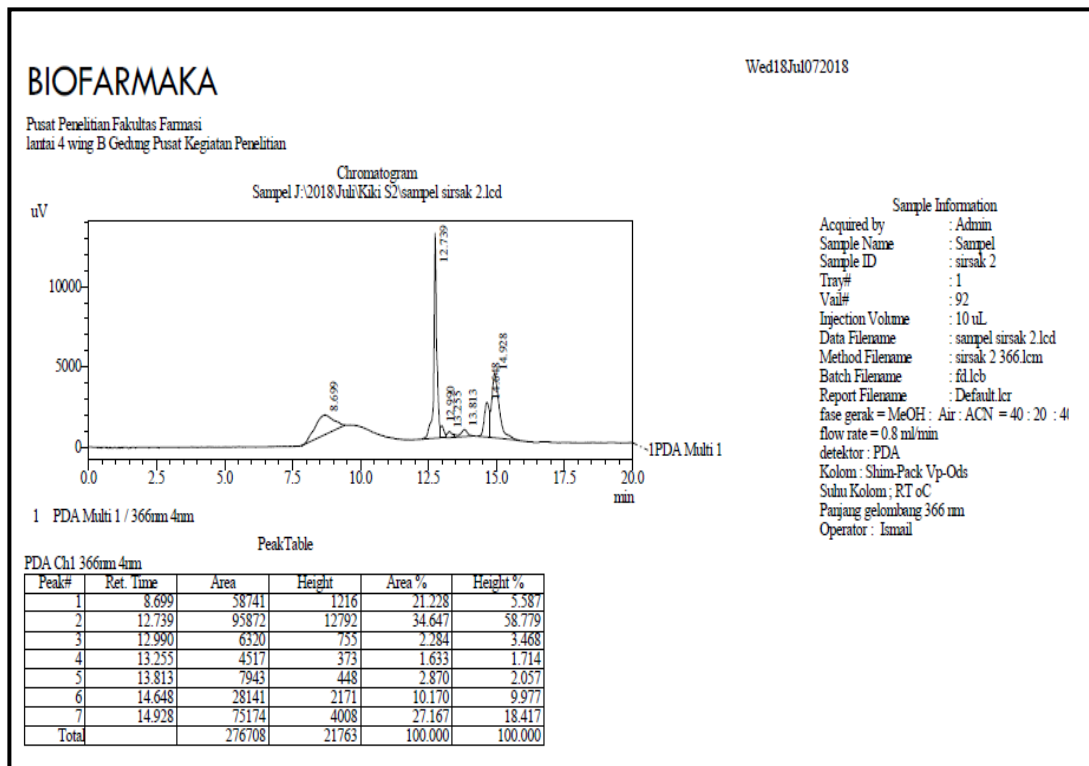


## Lampiran 8. Hasil Profil Kromatogram Daun Sirsak Pada Panjang Gelombang 366 nm



Gambar 18. Hasil Profil Kromatogram Ekstrak Etanol Pucuk Daun Sirsak (*Annona muricata* Linn.)

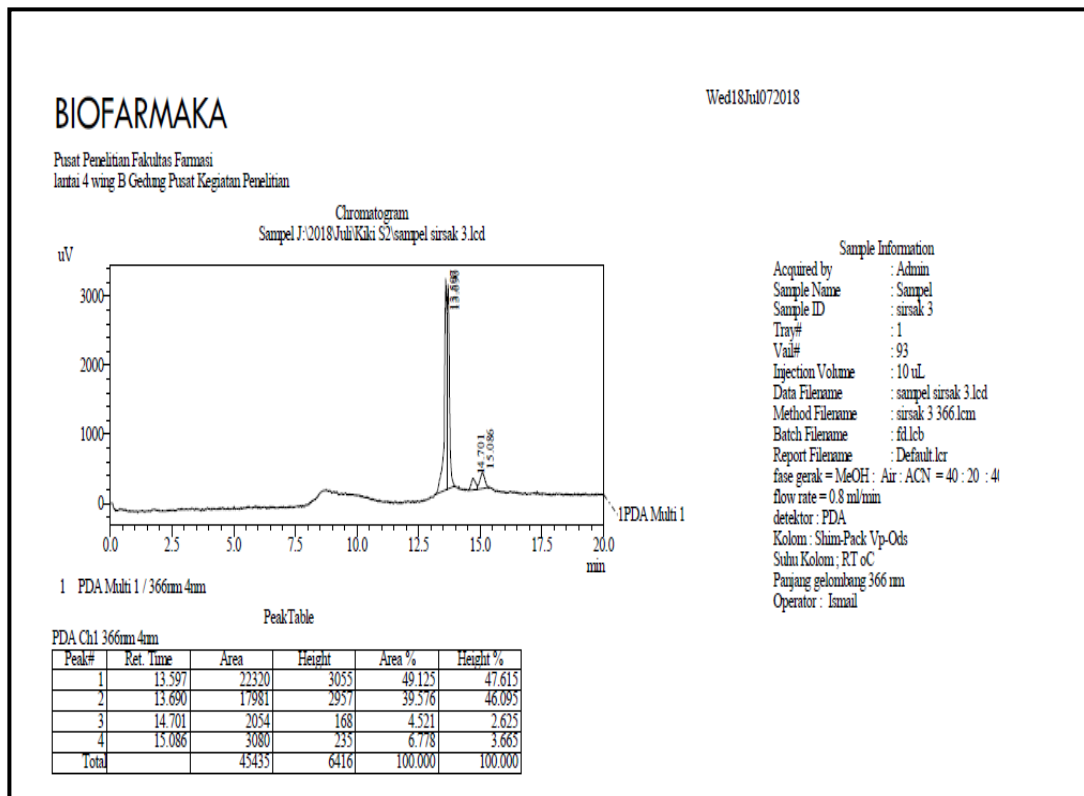




Gambar 19. Hasil Profil Kromatogram Ekstrak Etanol Tengah Daun Sirsak (*Annona muricata* Linn.)



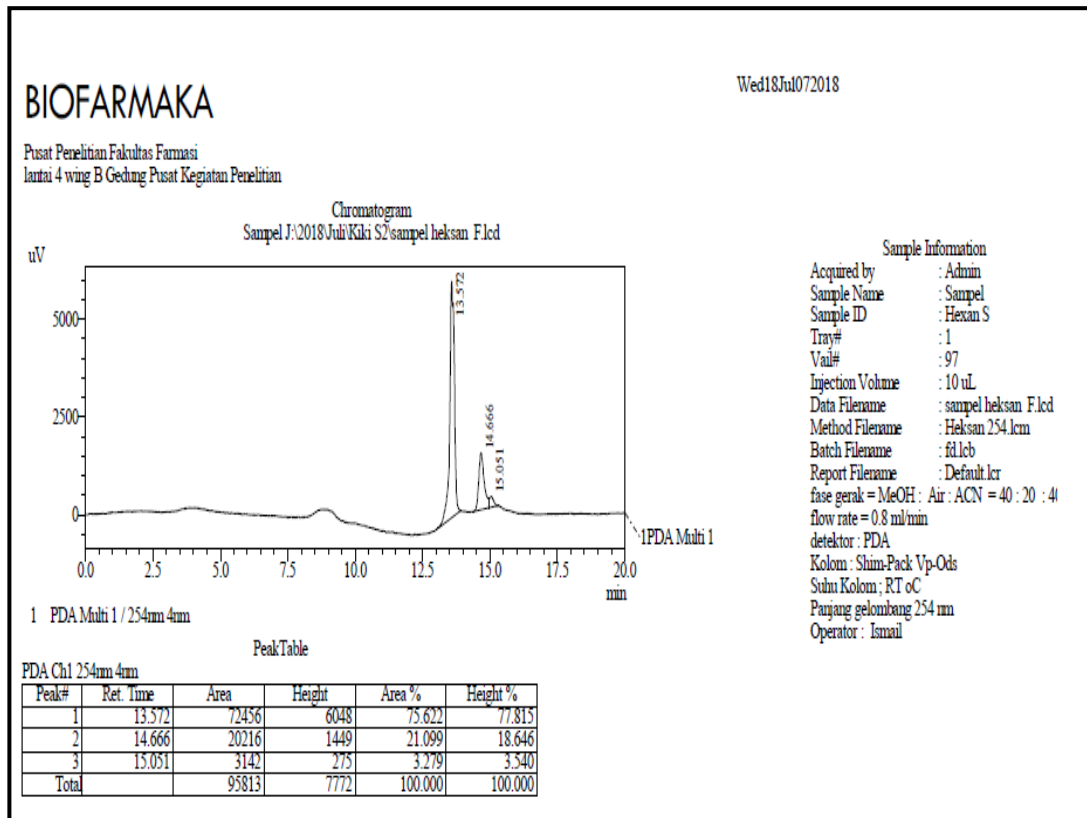




Gambar 20. Hasil Profil Kromatogram Ekstrak Etanol Pangkal Daun Sirsak (*Annona muricata* Linn.)

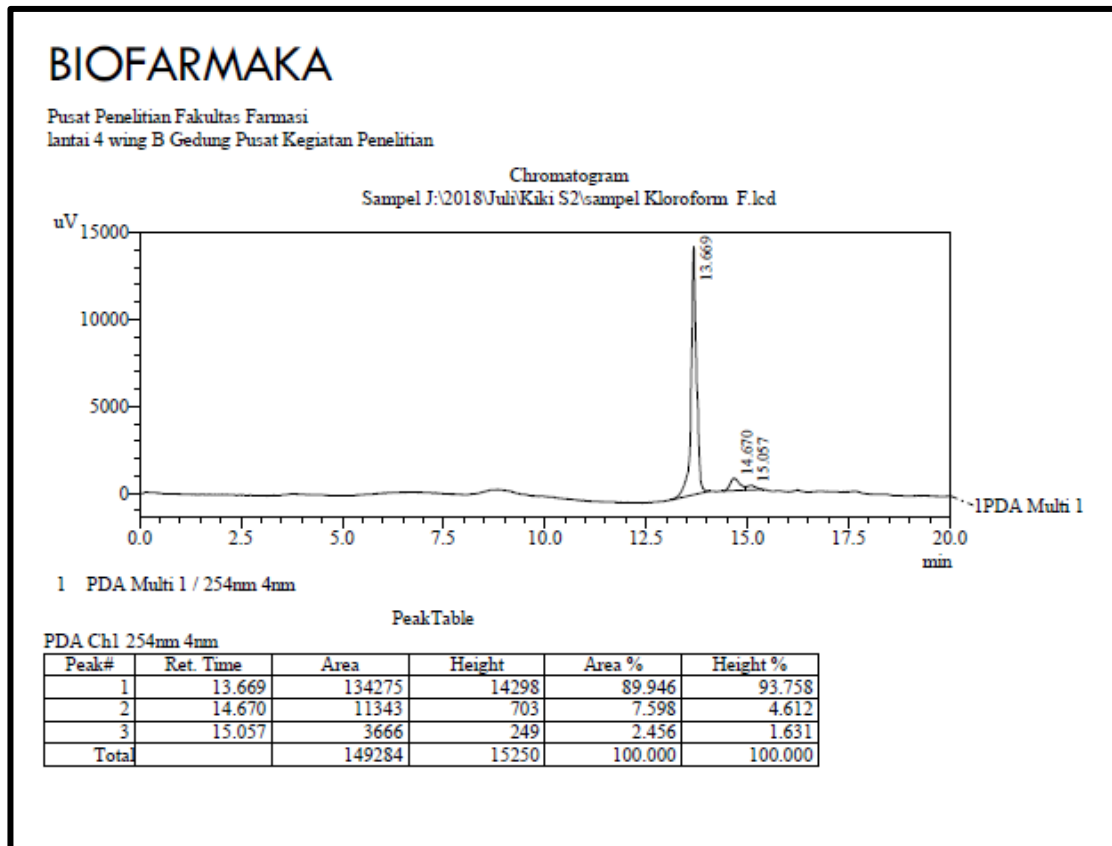


## Lampiran 9. Hasil Profil Kromatogram Fraksi Etanol Ekstrak Daun Sirsak Pada Panjang Gelombang 254 nm



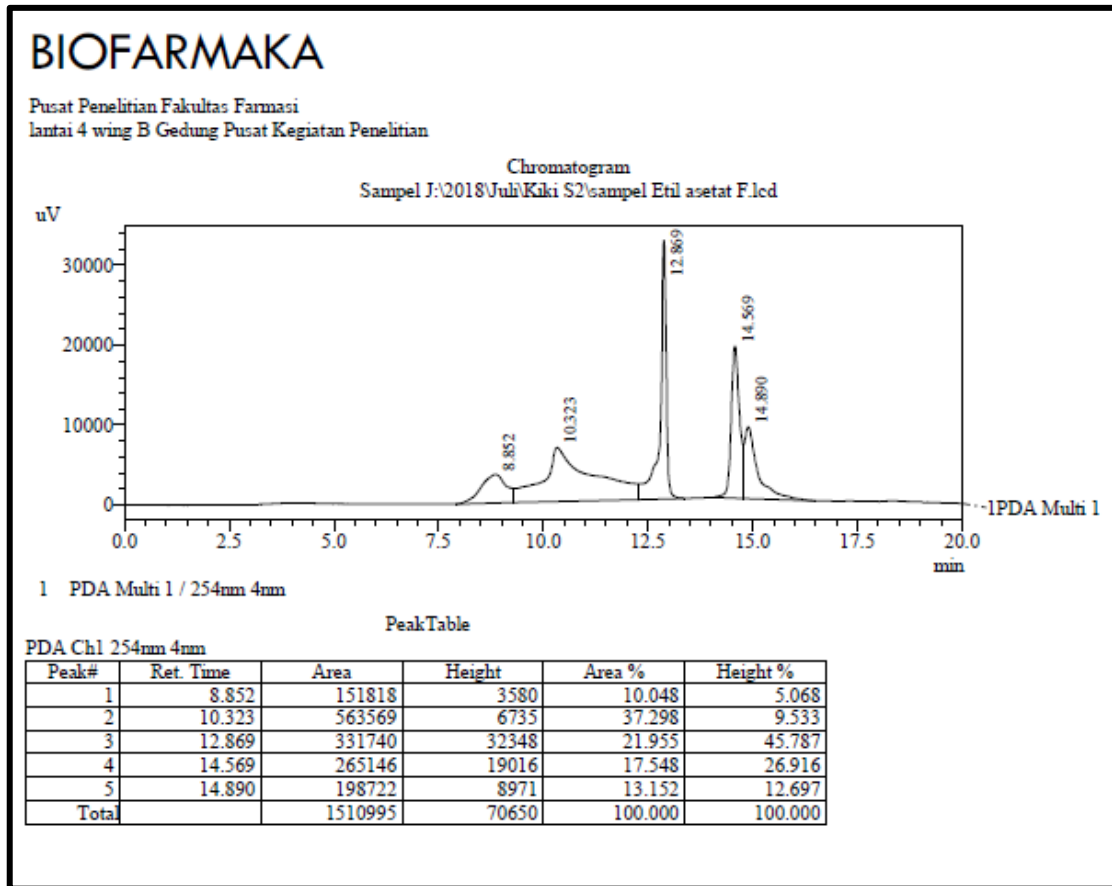
Gambar 21. Hasil Profil Kromatogram Fraksi n-Hexan Ekstrak Etanol Pucuk Daun Sirsak (*Annona muricata* Linn.)





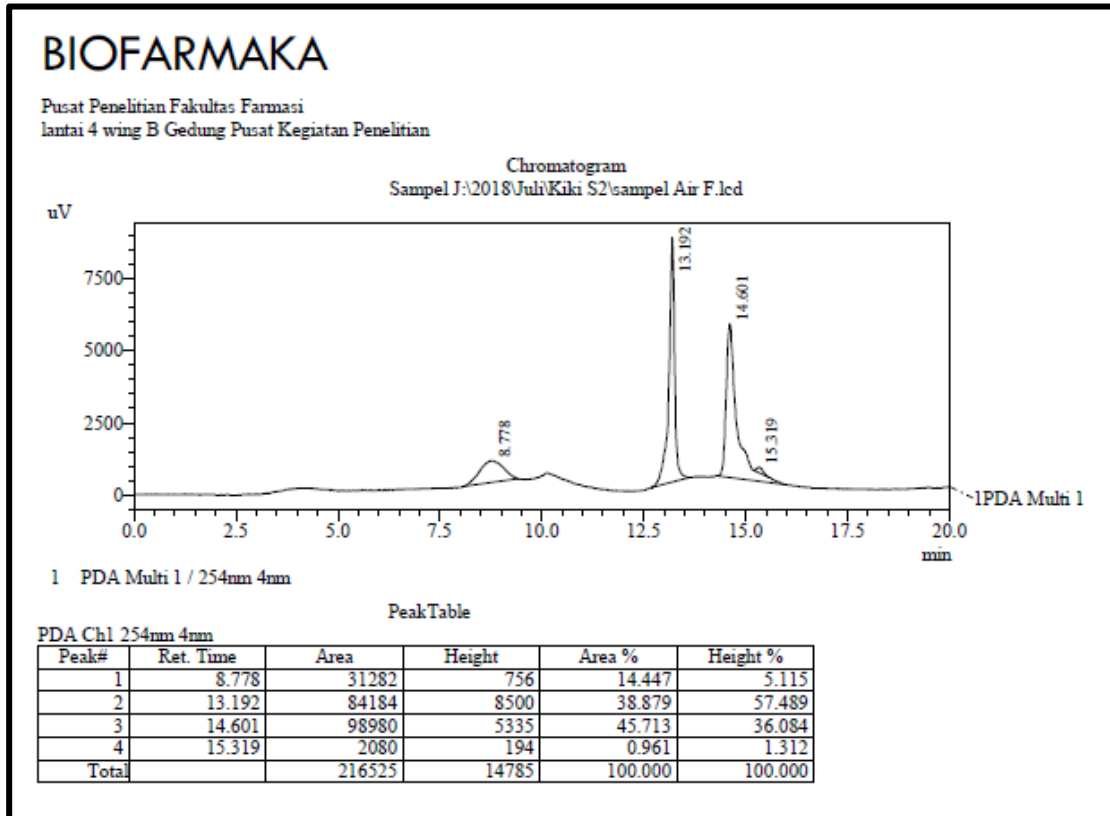
Gambar 22. Hasil Profil Kromatogram Fraksi Kloroform Ekstrak Etanol Pucuk Daun Sirsak (*Annona muricata* Linn.)



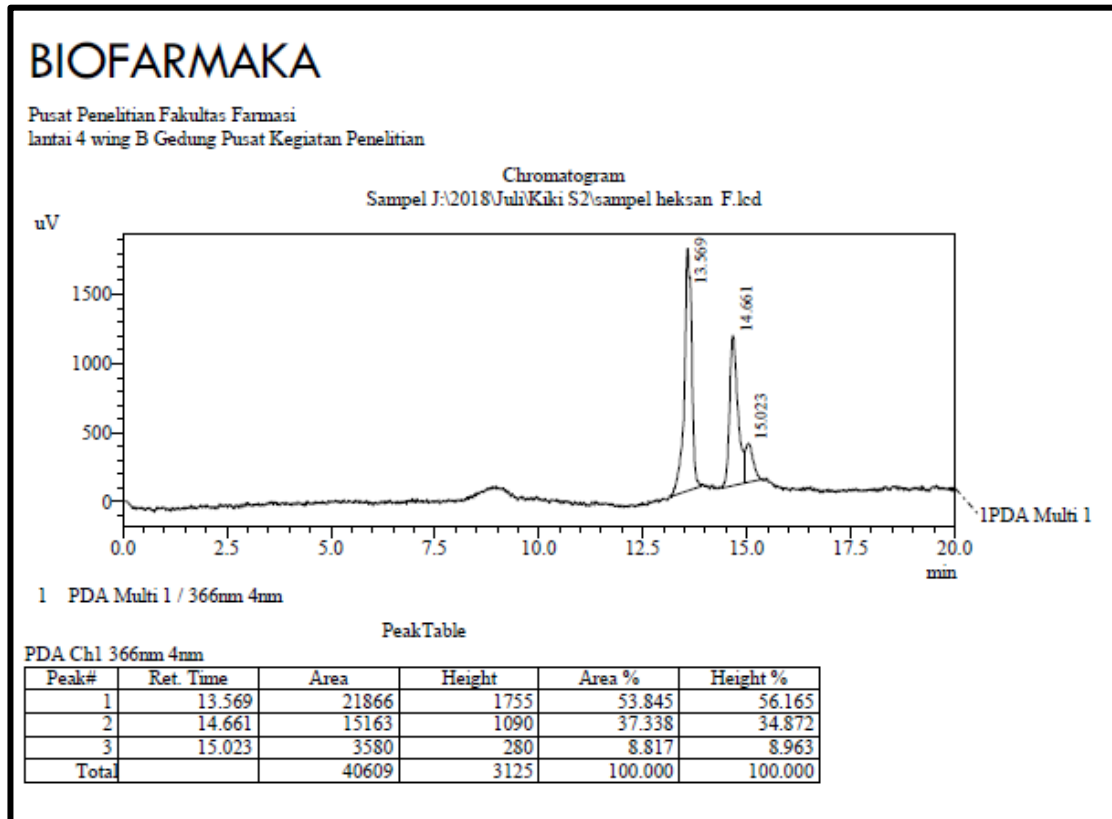


Gambar 23. Hasil Profil Kromatogram Fraksi Etil Asetat Ekstrak Etanol Pucuk Daun Sirsak (*Annona muricata* Linn.)



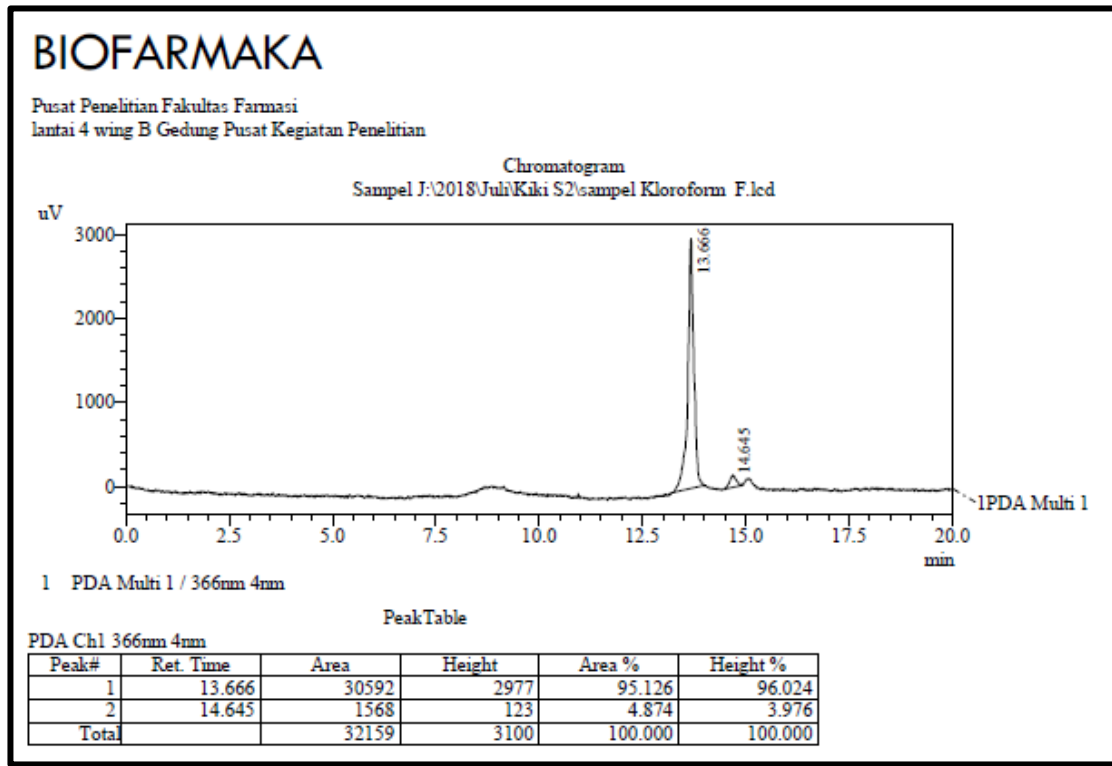


Lampiran 10. Hasil Profil Kromatogram Fraksi Etanol Ekstrak Daun Sirsak Pada Panjang Gelombang 366 nm



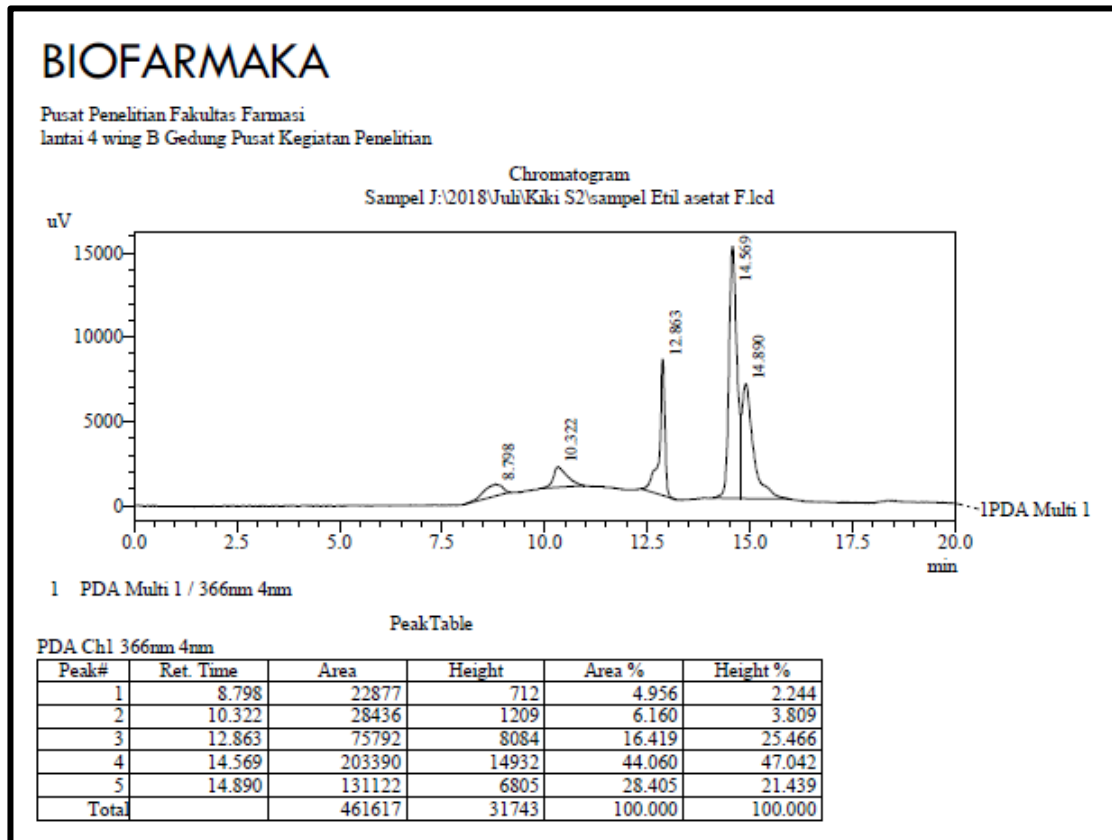
Gambar 25. Hasil Profil Kromatogram Fraksi n-Hexan Ekstrak Etanol Pucuk Daun Sirsak (*Annona muricata* Linn.)





Gambar 26. Hasil Profil Kromatogram Fraksi Kloroform Ekstrak Etanol Pucuk Daun Sirsak (*Annona muricata* Linn.)

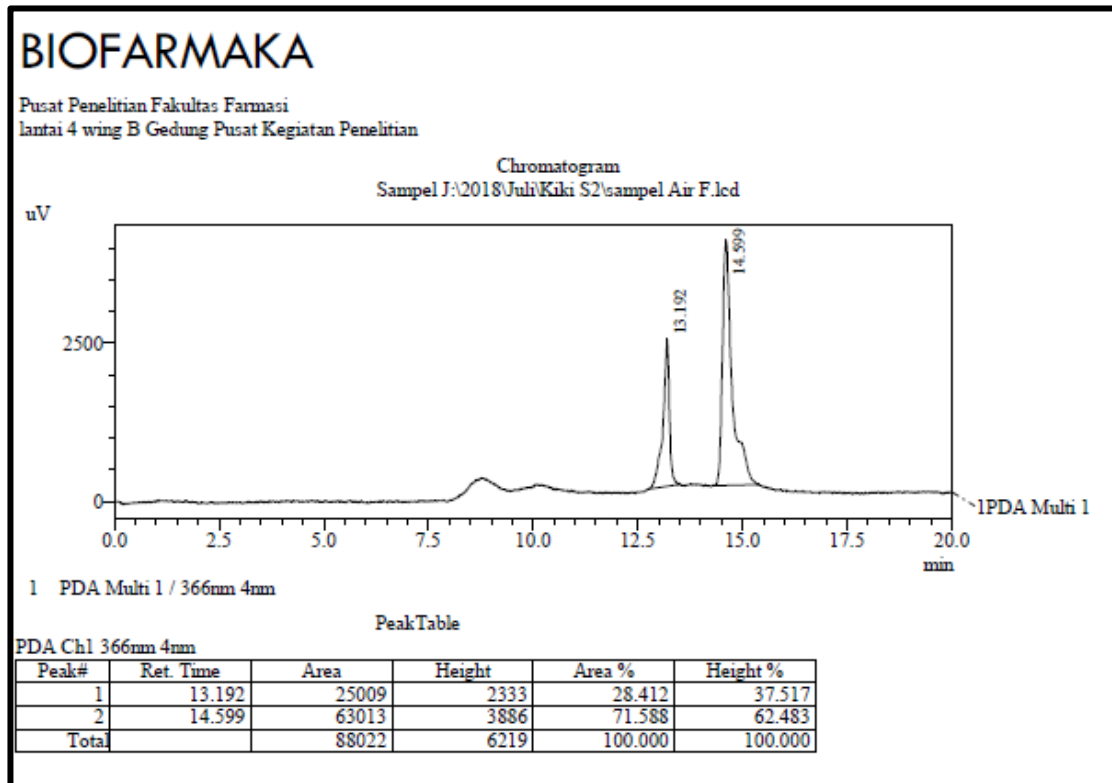




Gambar 25. Hasil Profil Kromatogram Fraksi Etil Asetat Ekstrak Etanol Pucuk Daun Sirsak (*Annona muricata* Linn.)







Gambar 26. Hasil Profil Kromatogram Fraksi Air Ekstrak Etanol Pucuk Daun Sirsak (*Annona muricata* Linn.)



**Lampiran 11. Data hasil uji statistik ekstrak etanol daun sirsak terhadap  
*Pseudomonas aeruginosa***

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Kelompok	9	2.00	.866	1	3
Diameter	9	11.3556	1.06784	10.00	12.80

Normalitas

**One-Sample Kolmogorov-Smirnov Test**

	kelompok	Diameter
N	9	9
Normal Parameters <sup>a</sup>	Mean	2.00 11.3556
	Std. Deviation	.866 1.06784
Most Extreme Differences	Absolute	.209 .202
	Positive	.209 .194
	Negative	-.209 -.202
Kolmogorov-Smirnov Z	.628	.605
Asymp. Sig. (2-tailed)	.826	.858
a. Test distribution is Normal.		



### Descriptives

diameter

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
1	3	12.1667	.65064	.37565	10.5504	13.7829	11.50	12.80
2	3	10.8000	1.21655	.70238	7.7779	13.8221	10.00	12.20
3	3	11.1000	1.05357	.60828	8.4828	13.7172	10.00	12.10
Total	9	11.3556	1.06784	.35595	10.5347	12.1764	10.00	12.80

### ANOVA

Diameter	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.096	2	1.548	1.541	.288
Within Groups	6.027	6	1.004		
Total	9.122	8			

### Test of Homogeneity of Variances

diameter

Levene Statistic	df1	df2	Sig.
.901	2	6	.455



Post hoc LSD

### Multiple Comparisons

diameter

LSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	1.36667	.81831	.146	-.6357	3.3690
	3	1.06667	.81831	.240	-.9357	3.0690
2	1	-1.36667	.81831	.146	-3.3690	.6357
	3	-.30000	.81831	.726	-2.3023	1.7023
3	1	-1.06667	.81831	.240	-3.0690	.9357
	2	.30000	.81831	.726	-1.7023	2.3023



Optimization Software:  
[www.balesio.com](http://www.balesio.com)

**Lampiran 12. Data hasil uji statistik ekstrak etanol daun sirsak terhadap *Staphylococcus aureus***

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Kelompok	9	2.00	.866	1	3
Diameter	9	11.3900	1.61146	8.88	13.00

Normalitas

**One-Sample Kolmogorov-Smirnov Test**

		Kelompok	Diameter
N		9	9
Normal Parameters <sup>a</sup>	Mean	2.00	11.3900
	Std. Deviation	.866	1.61146
Most Extreme Differences	Absolute	.209	.310
	Positive	.209	.167
	Negative	-.209	-.310
Kolmogorov-Smirnov Z		.628	.930
Asymp. Sig. (2-tailed)		.826	.352
a. Test distribution is Normal.			

Anova

**Descriptives**

Diameter

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
	3	12.7333	.25166	.14530	12.1082	13.3585	12.50	13.00
	3	10.3933	2.02981	1.17191	5.3510	15.4357	8.88	12.70



3	3	11.0433	1.35153	.78031	7.6859	14.4007	9.83	12.50
Total	9	11.3900	1.61146	.53715	10.1513	12.6287	8.88	13.00

## ANOVA

Diameter	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8.754	2	4.377	2.185	.194
Within Groups	12.020	6	2.003		
Total	20.774	8			

## Test of Homogeneity of Variances

Diameter

Levene Statistic	df1	df2	Sig.
4.196	2	6	.072

Post hoc LSD

## Multiple Comparisons

diameter

LSD

(I) kelomp ok	(J) kelomp ok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	2.34000	1.15567	.089	-.4878	5.1678
	3	1.69000	1.15567	.194	-1.1378	4.5178
	2	-2.34000	1.15567	.089	-5.1678	.4878
	3	-.65000	1.15567	.594	-3.4778	2.1778
	1	-1.69000	1.15567	.194	-4.5178	1.1378



### Multiple Comparisons

diameter

LSD

(I) kelompok	(J) kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	2.34000	1.15567	.089	-.4878	5.1678
	3	1.69000	1.15567	.194	-1.1378	4.5178
2	1	-2.34000	1.15567	.089	-5.1678	.4878
	3	-.65000	1.15567	.594	-3.4778	2.1778
3	1	-1.69000	1.15567	.194	-4.5178	1.1378
	2	.65000	1.15567	.594	-2.1778	3.4778



**Lampiran 15. Data hasil uji statistik fraksi kloroform daun sirsak terhadap *Pseudomonas aeruginosa***

Normalitas

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Kelompok	12	2.50	1.168	1	4
Diameter	12	3.8883	7.05020	.00	16.50

**One-Sample Kolmogorov-Smirnov Test**

		kelompok	diameter
N		12	12
Normal Parameters <sup>a</sup>	Mean	2.50	3.8883
	Std. Deviation	1.168	7.05020
Most Extreme Differences	Absolute	.166	.459
	Positive	.166	.459
	Negative	-.166	-.291
Kolmogorov-Smirnov Z		.574	1.591
Asymp. Sig. (2-tailed)		.897	.013
a. Test distribution is Normal.			

Kruskal Wallis

**Ranks**

	Kelompok	N	Mean Rank
Diameter	1	3	5.00
	2	3	11.00
	3	3	5.00
	4	3	5.00
Total		12	





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

	Diameter
Chi-Square	10.735
df	3
Asymp. Sig.	.013

a. Kruskal Wallis Test

b. Grouping Variable: kelompok

Post hoc mann whitney

**Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Diameter	1	3	3.50	10.50
	4	3	3.50	10.50
	Total	6		

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

	diameter
Mann-Whitney U	4.500
Wilcoxon W	10.500
Z	.000
Asymp. Sig. (2-tailed)	1.000
Exact Sig. [2*(1-tailed Sig.)]	1.000 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok



**Lampiran 16. Data hasil uji statistik fraksi kloroform daun sirsak terhadap *Staphylococcus aureus***

Normalitas

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
Kelompok	12	2.50	1.168	1	4
Diameter	12	3.2642	5.94023	.00	14.67

**One-Sample Kolmogorov-Smirnov Test**

		kelompok	diameter
N		12	12
Normal Parameters <sup>a</sup>	Mean	2.50	3.2642
	Std. Deviation	1.168	5.94023
Most Extreme Differences	Absolute	.166	.459
	Positive	.166	.459
	Negative	-.166	-.291
Kolmogorov-Smirnov Z		.574	1.589
Asymp. Sig. (2-tailed)		.897	.013
a. Test distribution is Normal.			

Kruskal Wallis

**Ranks**

	Kelompok	N	Mean Rank
Diameter	1	3	5.00
	2	3	11.00
	3	3	5.00
	4	3	5.00
Total		12	



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

	diameter
Chi-Square	10.735
Df	3
Asymp. Sig.	.013

a. Kruskal Wallis Test

b. Grouping Variable: kelompok

Post hoc mann whitney

**Ranks**

	Kelompok	N	Mean Rank	Sum of Ranks
Diameter	1	3	3.50	10.50
	4	3	3.50	10.50
	Total	6		

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

	diameter
Mann-Whitney U	4.500
Wilcoxon W	10.500
Z	.000
Asymp. Sig. (2-tailed)	1.000
Exact Sig. [2*(1-tailed Sig.)]	1.000 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: kelompok



## CURICULUM VITAE

### A. Data Pribadi

1. Nama : Reski Yalatri Wirastuty
2. Tempat/Tanggal Lahir : Maros/ 28 Agustus 1989
3. Alamat : Jalan Toddopuli VIII No. 10

### B. Riwayat Pendidikan

1. Pendidikan Formal:
  - a. Tamat SD tahun 2001 di SD Negeri No.3 Maros
  - b. Tamat SMP tahun 2004 di SMP Negeri 2 Budong-Budong
  - c. Tamat SMA tahun 2007 di SMA Negeri 1 Mamuju
  - d. Diploma Tiga (DIII) tahun 2010 di STIKES Nani Hasanuddin  
Makassar
  - e. Sarjana (S1) tahun 2011 di STIFA Makassar
  - f. Profesi Apoteker tahun 2014 di Universitas Setia Budi
2. Pendidikan Non Formal :
  - a. –

### C. Pekerjaan dan Riwayat Pekerjaan

- a. Pekerjaan : Dosen Tetap Yayasan
- b. No. IDN : 0928088903
- c. Pangkat/Jabatan : -

