

Lampiran

Lampiran 1. CoA Eksipien

Kitosan

Result Of Analysis
pharma

Source : SHRIMPSHELL extract

Batch : chs_0424

Production Date : April, 2024

Qty : 1Kg

Exp Date : April, 2027

Parameter	Result
Colour / Appearance	White
Particle Size	powder
Moisture Regaint	9.88%
Residue Of Ignition	0.89%
Degree Of Deacetylation	98.03%
Viscosity	198.21mPas
Molecular Weight	75.02KDa
Proteint Content	< 0.2 %
Heavy Metals	< 3ppm
Micro Organism	Negative

Indramayu, June 03rd, 2024

 **Kitosan Udang
Phy Edumedia**

QC & QA

Laktosa



250 CAMELOT DRIVE, FOND DU LAC, WI, 54935 Phone: 1-800-772-3210 Fax: 1-920-922-2921

REQUESTED BY:

P.O.# : 1904-2
ORDER# : 501095517
Expected Ship Date: 07/06/2024

PLANT NO. 51-267 /LICENSE NO. 2120943
PRODUCED AT:
 HWY 49 & DAIRY ROAD
 BROWNSVILLE, WI 53006
 USA
PRODUCT: 30320 - Lactose-Esther-2004-25KG FB, Grade A
QUANTITY: 755.00 BAG

Lot Number	Mfg Date	Packaging date	Exp Date	% Ash	% H2O TOT	% LACTOSE DB	% PROTEIN	COLIFORMS	COLIF LAC	EP STAPH	ECOLI Count	GET Type	MOLD	PH	SALINITY (T/m)	ADPH (T/m)	SPC	SS200	YEAST
Reference method				ADAC 14N E6 (NIST Method)	ADAC 14N E6 (NIST Method)	ADAC 139B E6 Calculation	ADAC 139B E6 Calculation	SAFESP (1776) E61 Perfor	SAFESP (1776) E61 Perfor	SAFESP (1776) E61 Perfor	SAFESP (1776) E61 Perfor	SAFESP (1776) E61 Perfor	SAFESP (1776) E61 Perfor	SAFESP (1776) E61 Perfor	SAFESP (1776) E61 Perfor	SAFESP (1776) E61 Perfor	SAFESP (1776) E61 Perfor	SAFESP (1776) E61 Perfor	SAFESP (1776) E61 Perfor
Specification Limit				0-0.3	4-5.5	85-100	0-0.2	0-10	12-100	0-9	0-4.2N	NEG	0-10	4.5-7.5	NEG	A	0-1000	10-100	0-10
AP0381-1	06/05/04	06/05/04	06/10/04	0.06	4.24	99.88	0.26	<1	85.04	+10	+0.30	NEG	<2	6.69	NEG	A	<100	84.00	<2
AP0381-2	06/05/04	06/05/04	06/10/04	0.06	4.24	99.87	0.27	<1	85.13	+10	+0.30	NEG	<2	6.69	NEG	A	<100	86.00	<2
AP0381-3	06/05/04	06/05/04	06/10/04	0.06	4.24	99.87	0.27	<1	85.16	+10	+0.30	NEG	<2	6.69	NEG	A	<100	87.00	<2
AP0381-4	06/05/04	06/05/04	06/10/04	0.06	4.24	99.87	0.26	<1	85.10	+10	+0.30	NEG	<2	6.69	NEG	A	<100	86.00	<2
AP0381-5	06/05/04	06/05/04	06/10/04	0.06	4.24	99.87	0.26	<1	85.35	+10	+0.30	NEG	<2	6.69	NEG	A	<100	87.00	<2
AP0381-6	06/05/04	06/05/04	06/10/04	0.06	4.24	99.87	0.26	<1	82.80	+10	+0.30	NEG	<2	6.69	NEG	A	<100	85.00	<2
AP0381-7	06/07/04	06/07/04	06/12/04	0.09	5.04	99.85	0.27	<1	77.45	+10	+0.30	NEG	<2	6.79	NEG	A	<100	88.00	<2
AP0381-8	06/07/04	06/07/04	06/12/04	0.09	5.04	99.85	0.25	<1	73.65	+10	+0.30	NEG	<2	6.79	NEG	A	<100	85.00	<2
AP0381-9	06/07/04	06/07/04	06/12/04	0.09	5.04	99.85	0.27	<1	73.84	+10	+0.30	NEG	<2	6.79	NEG	A	<100	85.00	<2

+100 = Not Detected in Sample Tested
 +10 = Not Detected in Sample Tested
 +1 = Not Detected in Sample Tested
 < 30 = Not Detected in Sample Tested
 NF/NEG = Not Found in Sample Tested

Certificate of Conformance

I hereby certify that all of the dairy products and/or dairy ingredients used for the production of the products included in the attached manifest were produced from raw milk meeting the somatic cell count (400,000 per mL) and bacterial standard plate count (100,000 per mL) requirements of Regulation (EC) No 853/2004, Annex II, Section 0, Chapter I, III Criteria for Raw Milk and Colostrum and that the raw milk was supplied by a credentialed (permitted/registered) farm regulated under the requirements of the Grade "A" Pasteurized Milk Ordinance (PMO) or the USDA AMS Milk for Manufacturing Purposes and its Production and Processing Recommended Requirements. **PRODUCT NAME, LOT NUMBER AND MANUFACTURING DATES COVERED BY THIS CERTIFICATE OF CONFORMANCE ARE LISTED ABOVE. CONFORMANCE ARE LISTED ABOVE.** Products are manufactured in compliance with FDA regulatory requirements including but not limited to current Good Manufacturing Practices and Risk-Based Preventive Controls for Human Food. Batches listed above meet FDA's definition of ready to eat except in infant formula applications where further processing and testing is required as outlined in Code of Federal Regulations 21 part 105.55. This product is not processed to control Cronobacter spp.

07/05/2024

Gale Beard
Gale Beard
 Director, Operations Food Safety & Quality

1 of 1

Asst. Muhammad Razaq Mawlaq, S Farm
 255-20-1000 P.O. Box 1000000000000000

PVP K-30

COA Code: JHNHPK30PG(USP41)0002



JH Nanhang Life Sciences Co., Ltd.

Certificate of Analysis

Product Name	Povidone K30	Batch No.	PK30-220919F31	Date of Mfg	20220919
Quantity	6000KG	Packaging	25KG/ Fibre Drum	Expiry Date	20260918
Source	PVP Workshop	Reference	USP41		
No.	Items	Specification			Test Results
1.	Appearance	White or yellowish-white, hygroscopic powder			Complies
2.	Solubility	Freely soluble in water, ethanol 96%, methanol, very slightly soluble in acetone			Complies
3.	Identifications A、B、C、D、E	Positive			Complies
4.	Appearance of solution	Clear and NMT B _s , BY _s , or R ₆			Complies
5.	pH	3.0-5.0			3.4
6.	K-value	27.0-32.4			29.6
7.	Aldehydes, ppm	≤ 500			21.1
8.	Peroxides, ppm	≤ 400			189
9.	Formic acid, %	≤ 0.5			0.3
10.	Hydrazine, ppm	≤ 1			<1
11.	Impurity A(1-vinylpyrrolidin-2-one), ppm	≤ 10			0.22
12.	Impurity B (2-pyrrolidone), %	≤ 3.0			1.1
13.	Heavy metals, ppm	≤ 10			<10
14.	Lead, ppm	≤ 10			<10
15.	Water, %	≤ 5.0			2.9
16.	Sulphated ash, %	≤ 0.1			0.08
17.	Nitrogen content, %	11.5 - 12.8			12.0
18.	* Total Aerobic Plate count, CFU/g	≤ 100			<10
19.	* Total Mold/Yeast count, CFU/g	≤ 100			<10
20.	* E.coli, CFU/g	Not detected			Complies
21.	* Staphylococcus Aureus, CFU/g	Not detected			Complies
22.	* Pseudomonas Aeruginosa, CFU/g	Not detected			Complies
23.	* Salmonella, CFU/g	Not detected			Complies

Note: The above tests with * are performed randomly.

Conclusion: Material meets the requirement for Povidone in USP41.

Completed by: Lan Qiao

Signature: LAN QIAO

Date: 30/9/2022

QC Manager: Tong Mengxin

Signature: Tong Mengxin

Date: 30/9/2022

Released by QA Manager: Zhang Ming

Signature: Zhang Ming

Date: 30/9/2022

Factory address: No.16 Luyin Road, Hi-Tech Industrial Zone, Quzhou, Zhejiang, 324004 P. R. China

Website: www.jh-nh.com E-mail: info@jh-nh.com

Contact person: Zhang Ming Tel: +86-0570-3883574

SSG (Sodium Starch Glycolate)

 SISCO RESEARCH LABORATORIES PVT. LTD. www.srlchem.com	Certificate of Analysis	
Product Batch No Analysis Date Date of Manufacture Expiry Date/Re-Test Date	83627 - Sodium Starch Glycolate ex. Maize (SSG) ExiPlus, Multi-Compendial - [9063-38-1] 8249429 05-Mar-2024 March 2024 March 2029	
Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP	Passes
Appearance (Colour)	White	White
Appearance (Form)	Powder	Powder
pH (5% aq. suspension)	5.5 - 7.5	7.35
Loss on drying	max. 10%	8.0%
Identification Test	Passes test	Passes
Sodium chloride	max. 7%	1.9%

Lampiran 2. Hasil Determinasi daun salam dan labu siam

Labu siam



INSTITUT TEKNOLOGI BANDUNG

SEKOLAH ILMU DAN TEKNOLOGI HAYATI

Gedung Labtek XI, Jalan Ganesa No.10, Bandung 40132, Telp.: +6222 2511575, Fax.: +6222 2534107
e-mail: sith@itb.ac.id situs: www.sith.itb.ac.id

Nomor : 3140/IT1.C11.2/TA.00/2025
Hal : Determinasi tumbuhan

06 Mei 2025

Yth. Dekan
Fakultas Farmasi
Universitas Bhakti Kencana
Jalan Soekarno Hatta No. 754
Bandung

Memperhatikan permintaan Saudara dalam surat No. 171/03.S1-FF/UBK/II/2025 tanggal 10 Februari 2025 mengenai determinasi tumbuhan, dengan ini kami sampaikan bahwa setelah dilakukan pendeterminasian oleh staf kami, sampel tumbuhan yang dikirim oleh Sdr. Rheini Dwi Mulia (NIM: 231ff04034), yaitu:

No	Nama sampel	Hasil determinasi	Famili
1	Labu siam	<i>Sicyos edulis</i> Jacq.	Cucurbitaceae

Referensi:

1. de Wilde, W. J. J. O., & Duyfjes, B. (2010). Cucurbitaceae. *Flora Malesiana - Series 1, Spermatophyta*, 19(1), 1–333.
2. Blanche, R. (2016). *Tropical Fruits and Other Edible Plants of the World: An illustrated guide*. Comstock Publishing Associate.

Demikian yang kami sampaikan. Atas perhatian dan kerjasama yang diberikan, kami ucapkan terima kasih.



Wakil Dekan Bidang Sumber Daya,

Angga Dwiartama, S.Si., M.Si., Ph.D.
NIP. 198302052012121002

Tembusan:
1. Dekan SITH ITB

Daun Salam



INSTITUT TEKNOLOGI BANDUNG

SEKOLAH ILMU DAN TEKNOLOGI HAYATI

Gedung Labtek XI, Jalan Ganesa No.10, Bandung 40132, Telp.: +6222 2511575, Fax.: +6222 2534107
e-mail: sith@itb.ac.id situs: www.sith.itb.ac.id

Nomor : 1967/IT1.C11.2/TA.00/2025

07 Maret 2025

Hal : Determinasi tumbuhan

Yth. Dekan
Fakultas Farmasi
Universitas Bhakti Kencana
Jalan Soekarno Hatta No. 754
Bandung

Memperhatikan permintaan Saudara dalam surat No. 0964/03.S1-FF/UBK/XI/2024 tanggal 20 Desember 2024 mengenai determinasi tumbuhan, dengan ini kami sampaikan bahwa setelah dilakukan pendeterminasian oleh staf kami, sampel tumbuhan yang dikirim oleh Sdr. Siska Sukmaningsih (NIM: 211FF03104), yaitu:

No	Nama sampel	Hasil determinasi	Famili
1	Salam	<i>Syzygium polyanthum</i> (Wight) Walp.	Myrtaceae

Referensi:

1. Backer C. A., Bakhuizen van den Brink, R. C. (1963). *Flora of Java*. Vol I. N.V.P. Noordhoff.

Demikian yang kami sampaikan. Atas perhatian dan kerjasama yang diberikan, kami ucapkan terima kasih.

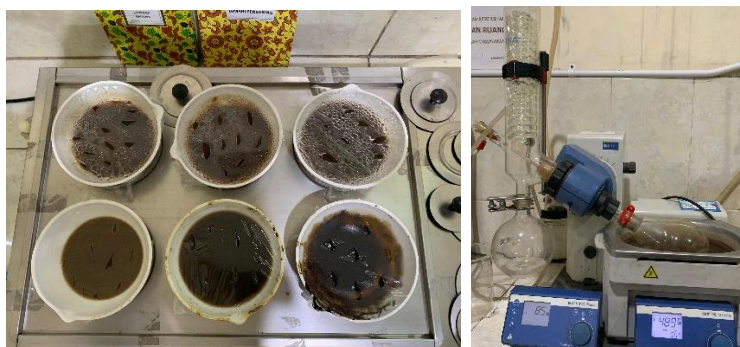


Wakil Dekan Bidang Sumber Daya,

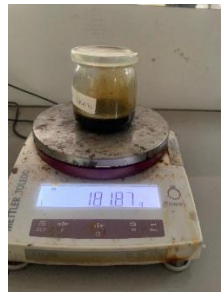
Angga Dwiartama, S.Si., M.Si., Ph.D.
NIP. 198302052012121002

Tembusan:

1. Dekan SITH ITB

Lampiran 3. Proses Maserasi Ekstrak Daun Salam dan Labu Siam**Daun Salam dan Labu Siam****Perajangan dan Pengeringan menggunakan oven suhu 50°C****Maserasi****Ekstrak cair**

Ekstrak Kental



Lampiran 4. Hasil Skrining Fitokimia Ekstrak

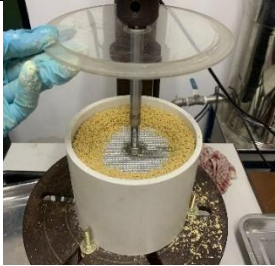
1. Hasil Skrining Fitokimia Ekstrak Daun Salam

				
Alkaloid	Flavonoid	Saponin	Tannin	Steroid/ Triterpenoid

2. Hasil Skrining Fitokimia Ekstrak Labu Siam

				
Alkaloid	Flavonoid	Saponin	Tannin	Steroid/ Triterpenoid

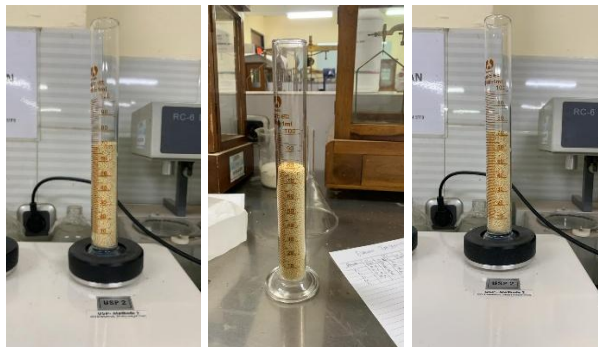
Lampiran 5. Proses Pembuatan Sediaan Mikropartikel

Proses Pencampuran	
	
Proses Masa kepal	
	
Proses Pengayakan Menggunakan mesh 14	
	
Proses Ekstruder	
	
Proses Pengeringan menggunakan oven dengan suhu 50°C	
	

Lampiran 6. Proses Evaluasi Sediaan Mikropartikel

Organoleptik				
F1	F2	F3	F4	F5
				
LoD				
				
Laju Alir				
				
Sudut Istirahat				
				

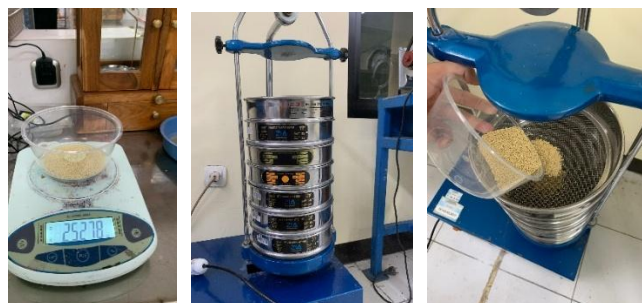
Tap Density



Waktu Melarut



Distribusi Partikel



Ukuran Partikel PSA 3000

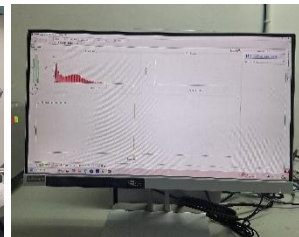
1. Tempat sampel



2. Alat Analisi



3. Data Hasil



Lampiran 7. Hasil uji statistik evaluasi mikropartikel

1. Laju Alir

Tests of Normality

Formula	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Laju_Alir F1	.175	3	.	1.000	3	1.000
F2	.292	3	.	.923	3	.463
F3	.175	3	.	1.000	3	1.000
F4	.343	3	.	.842	3	.220
F5	.356	3	.	.818	3	.157

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Laju_Alir

Levene Statistic	df1	df2	Sig.
1.220	4	10	.362

ANOVA

Laju_Alir

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.446	4	.362	191.611	.000
Within Groups	.019	10	.002		
Total	1.465	14			

Test Statistics^{a,b}

	Laju_Alir
Chi-Square	13.500
df	4
Asymp. Sig.	.009

a. Kruskal Wallis Test

b. Grouping Variable:
Formula

2. LoD

Tests of Normality

		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
LOD	F1	.175	3	.	1.000	3	1.000
	F2	.175	3	.	1.000	3	1.000
	F3	.175	3	.	1.000	3	1.000
	F4	.175	3	.	1.000	3	1.000
	F5	.175	3	.	1.000	3	1.000

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

LOD

Levene Statistic	df1	df2	Sig.
.000	4	10	1.000

ANOVA

LOD

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.394	4	.098	984.000	.000
Within Groups	.001	10	.000		
Total	.395	14			

Test Statistics^{a,b}

	LOD
Chi-Square	12.894
df	4
Asymp. Sig.	.012

a. Kruskal Wallis Test

b. Grouping Variable:
Formula

3. Sudut Istirahat

Tests of Normality

Formula	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Sudut_Istirahat F1	.179	3	.	.999	3	.948
F2	.175	3	.	1.000	3	1.000
F3	.175	3	.	1.000	3	1.000
F4	.343	3	.	.842	3	.220
F5	.356	3	.	.818	3	.157

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Sudut_Istirahat

Levene Statistic	df1	df2	Sig.
1.654	4	10	.236

ANOVA

Sudut_Istirahat

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	6.976	4	1.744	453.397	.000
Within Groups	.038	10	.004		
Total	7.015	14			

Test Statistics^{a,b}

	Sudut_Istirahat
Chi-Square	13.500
df	4
Asymp. Sig.	.009

a. Kruskal Wallis Test

b. Grouping Variable:
Formula

4. Waktu Melarut

Tests of Normality

Formula	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Waktu_Melarut F1	.253	3	.	.964	3	.637
F2	.175	3	.	1.000	3	1.000
F3	.253	3	.	.964	3	.637
F4	.328	3	.	.871	3	.298
F5	.328	3	.	.871	3	.298

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Waktu_Melarut

Levene Statistic	df1	df2	Sig.
2.569	4	10	.103

ANOVA

Waktu_Melarut

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.089	4	.022	42.278	.000
Within Groups	.005	10	.001		
Total	.094	14			

Test Statistics^{a,b}

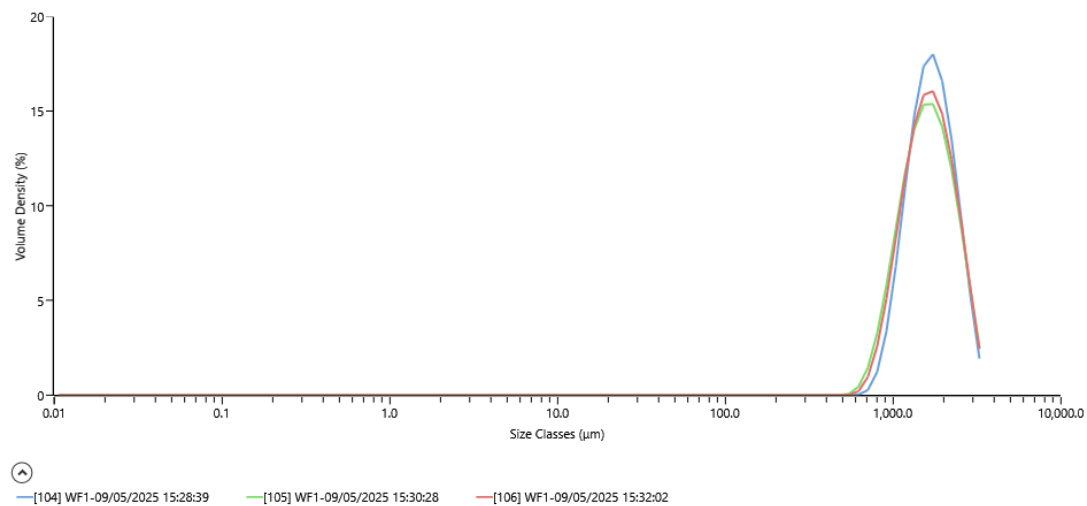
	Waktu_Melaru t
Chi-Square	12.023
df	4
Asymp. Sig.	.017

a. Kruskal Wallis Test

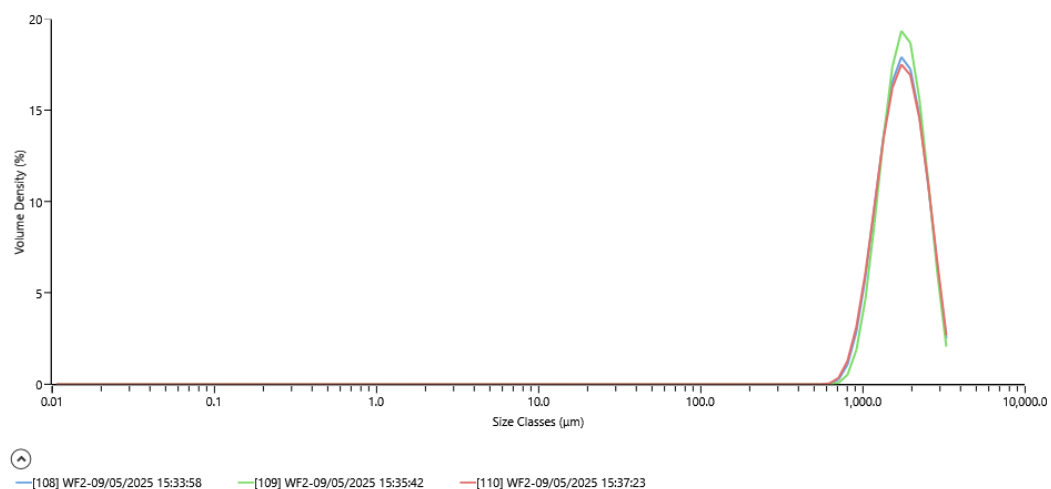
b. Grouping Variable:
Formula

Lampiran 8. Pengujian Particle Size Analysis (PSA) dengan alat Mastersizer 3000

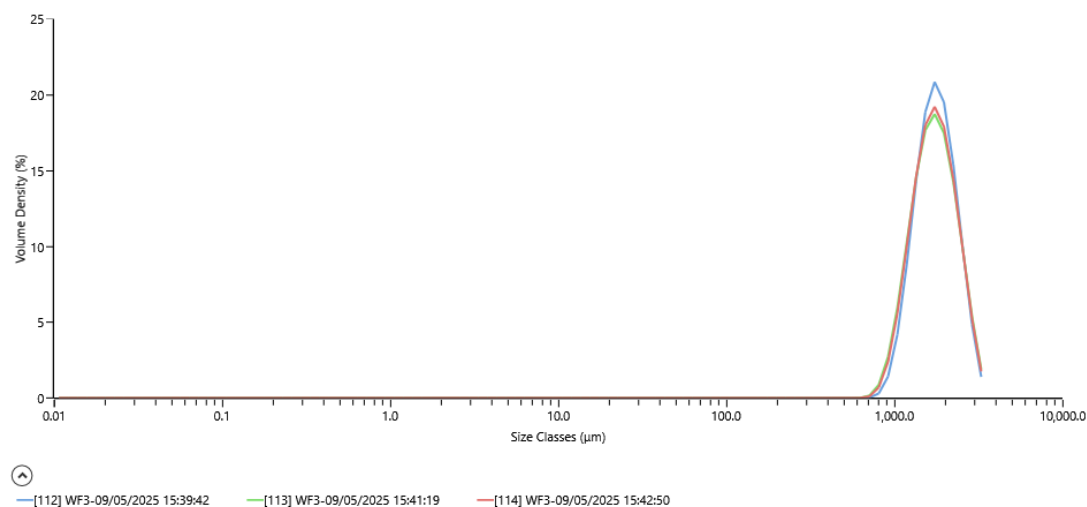
1. Formula 1



2. Formula 2

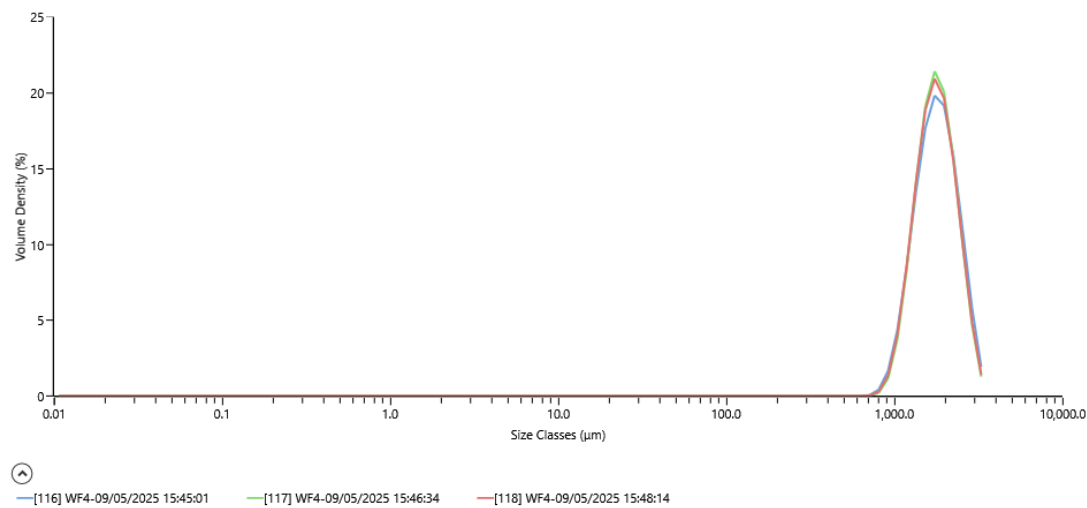


3. Formula 3



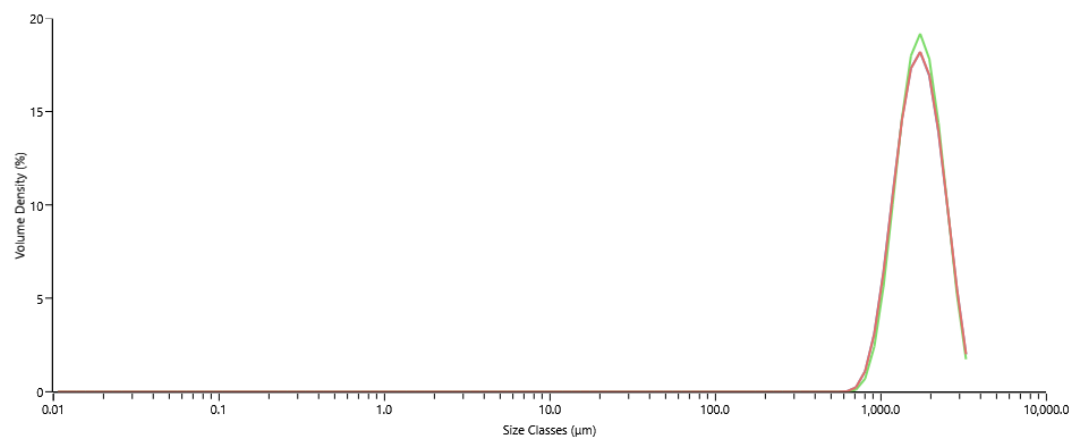
	Record Number	Sample Name	Dx (10) (μm)	Dx (50) (μm)	Dx (90) (μm)
	112	WF3	1220	1750	2510
	113	WF3	1150	1720	2550
	114	WF3	1160	1720	2530
Mean			1180	1730	2530
1xStd Dev			38,6	19,2	19,0
1xRSD (%)			3,28	1,11	0,750

4. Formula 4



	Record Number	Sample Name	Dx (10) (μm)	Dx (50) (μm)	Dx (90) (μm)
	116	WF4	1210	1780	2570
	117	WF4	1240	1760	2500
	118	WF4	1230	1760	2510
Mean			1230	1770	2530
1xStd Dev			15,1	11,2	39,9
1xRSD (%)			1,23	0,637	1,58

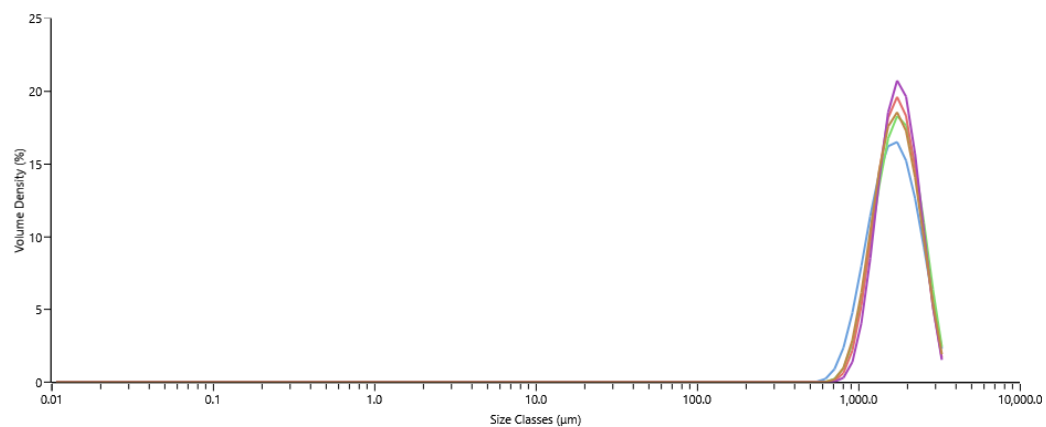
5. Formula 5



[120] WF5-09/05/2025 15:50:31 [121] WF5-09/05/2025 15:52:17 [122] WF5-09/05/2025 15:54:17

Record Number	Sample Name	Dx (10) (μm)	Dx (50) (μm)	Dx (90) (μm)
120	WF5	1130	1700	2550
121	WF5	1160	1720	2530
122	WF5	1130	1710	2550
Mean		1140	1710	2550
1xStd Dev		18,1	9,55	11,4
1xRSD (%)		1,59	0,559	0,449

6. Formula 12345 di gabung



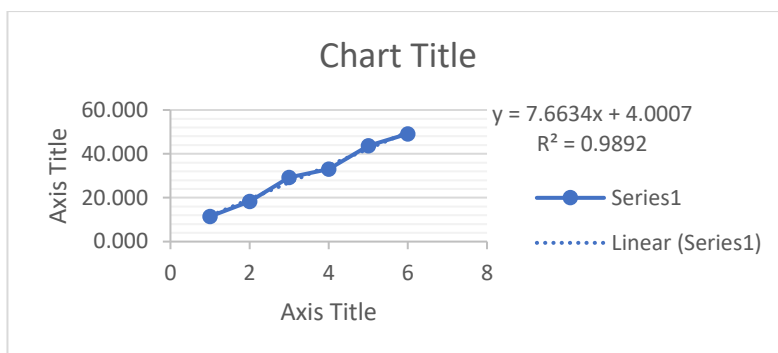
[107] Average of 'WF1'-09/05/2025 [111] Average of 'WF2'-09/05/2025 [115] Average of 'WF3'-09/05/2025 [119] Average of 'WF4'-09/05/2025
 [123] Average of 'WF5'-09/05/2025

Record Number	Sample Name	Dx (10) (μm)	Dx (50) (μm)	Dx (90) (μm)
107	Average of 'WF1'	1040	1650	2560
111	Average of 'WF2'	1150	1760	2610
115	Average of 'WF3'	1170	1730	2530
119	Average of 'WF4'	1230	1770	2530
123	Average of 'WF5'	1140	1710	2550
Mean		1150	1720	2550
1xStd Dev		67,7	46,4	32,0
1xRSD (%)		5,91	2,69	1,25

Lampiran 9. Hasil perhitungan Antioksidan

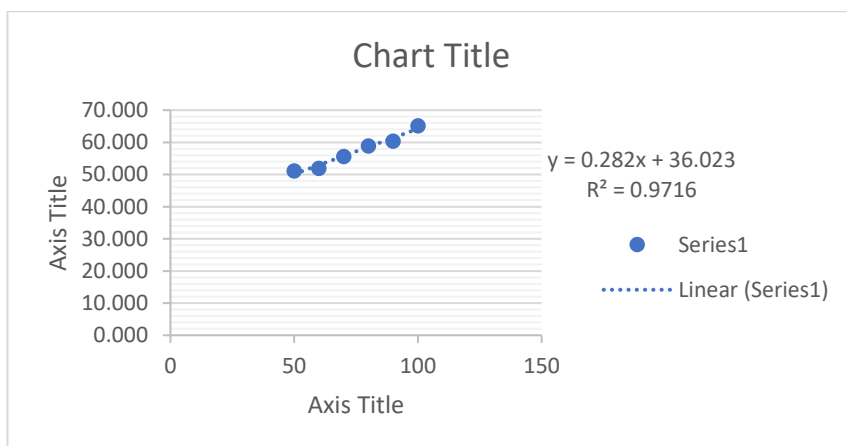
1. Vit C

KONSENTRASI	ABS BLANKO	ABSORBANSI SAMPEL			RATA" SAMPEL	% INHIBISI			%INHIBISI	y	a	b	NILAI IC50	SD
		R1	R2	R3		1	2	3						
1	0.666	0.591	0.590	0.587	0.589	11.261	11.261	11.862	11.461	50	4	7.6634	6.002	0.09
2		0.545	0.544	0.542	0.544	18.168	18.168	18.619	18.318					
3		0.472	0.471	0.469	0.471	29.129	29.129	29.580	29.279					
4		0.446	0.445	0.445	0.445	33.033	33.033	33.183	33.083					
5		0.376	0.373	0.374	0.374	43.544	43.544	43.844	43.644					
6		0.340	0.339	0.336	0.338	48.949	48.949	49.550	49.149					



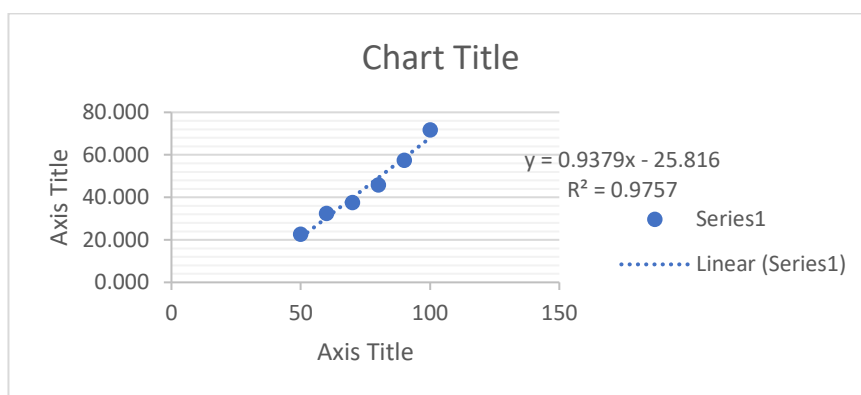
2. Ekstrak Daun Salam

DAUN SALAM														
KONSENTRASI	ABS BLANKO	ABSORBANSI SAMPEL			RATA" SAMPEL	% INHIBISI			RATA" %INHIBISI	y	a	b	NILAI IC50	SD
		R1	R2	R3		1	2	3						
50	0.851	0.416	0.416	0.416	0.416	51.116	51.116	51.116	51.116	50	36	0.2820	49.564	0.042801
60		0.409	0.409	0.409	0.409	51.939	51.939	51.939	51.939					
70		0.380	0.378	0.376	0.378	55.347	55.582	55.817	55.582					
80		0.351	0.350	0.348	0.350	58.754	58.872	59.107	58.911					
90		0.339	0.337	0.336	0.337	60.165	60.400	60.517	60.360					
100		0.298	0.296	0.296	0.297	64.982	65.217	65.217	65.139					



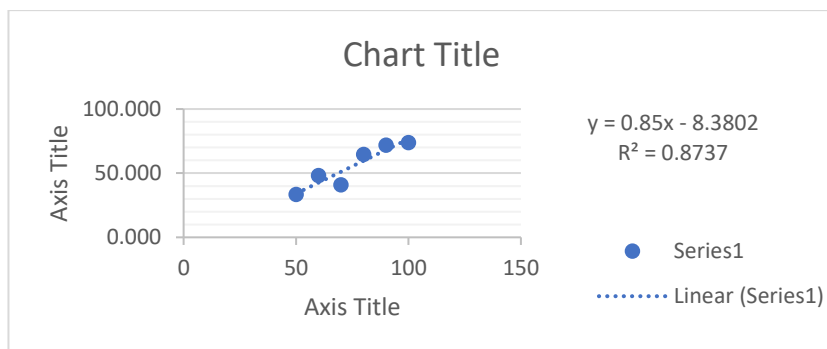
3. Ekstrak Labu Siam

LABU SIAM														
KONSENTRASI	ABS BLANKO	ABSORBANSI SAMPEL			RATA" SAMPEL	% INHIBISI			RATA" %INHIBIS	y	a	b	NILAI IC50	SD
		R1	R2	R3		1	2	3						
50	0.851	0.659	0.659	0.659	0.659	22.562	22.562	22.562	22.562	50	26.01	0.940	77.664	0.14
60		0.597	0.595	0.533	0.575	29.847	30.082	37.368	32.432					
70		0.532	0.532	0.533	0.532	37.485	37.485	37.368	37.446					
80		0.463	0.461	0.460	0.461	45.593	45.828	45.946	45.789					
90		0.365	0.364	0.360	0.363	57.109	57.227	57.697	57.344					
100		0.245	0.242	0.238	0.242	71.210	71.563	72.033	71.602					



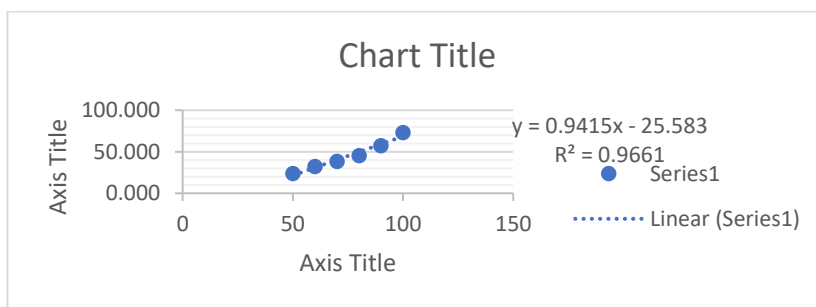
4. Kombinasi Ekstrak

LABU SIAM														
KONSENTRASI	ABS BLANKO	ABSORBANSI SAMPEL			RATA" SAMPEL	% INHIBISI			RATA" %INHIBISI	y	a	b	NILAI IC50	SD
		R1	R2	R3		1	2	3						
50	0.851	0.570	0.565	0.568	0.568	33.020	33.608	33.255	33.294	50	8.3802	0.850	59.859	0.123
60		0.445	0.440	0.442	0.442	47.709	48.296	48.061	48.022					
70		0.330	0.328	0.332	0.330	61.222	0.134	60.987	40.781					
80		0.301	0.304	0.301	0.302	64.630	64.277	64.630	64.512					
90		0.240	0.238	0.241	0.240	71.798	72.033	71.680	71.837					
100		0.225	0.226	0.219	0.223	73.561	73.443	74.266	73.756					



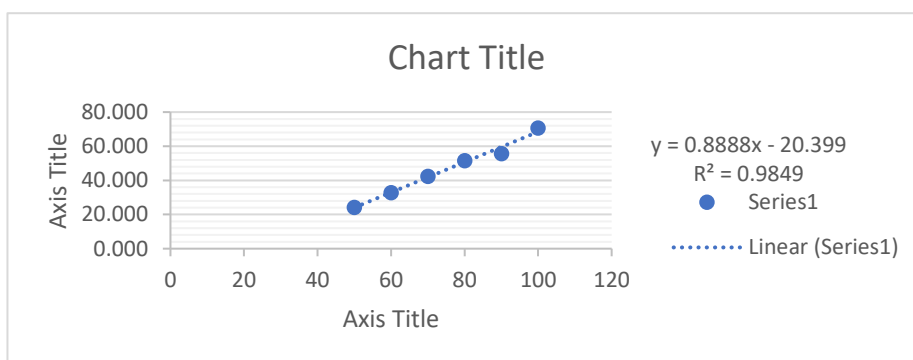
5. Formula 1

FORMULA 1														
KONSENTRASI	ABS BLANKO	ABSORBANSI SAMPEL			RATA" SAMPEL	% INHIBISI			RATA" %INHIBISI	y	a	b	NILAI IC50	SD
		R1	R2	R3		1	2	3						
50	0.845	0.646	0.644	0.644	0.645	23.542	23.787	23.840	23.723	50	25.58	0.942	77.173	0.14
60		0.575	0.571	0.572	0.573	31.917	32.382	32.282	32.194					
70		0.522	0.520	0.519	0.520	38.237	38.484	38.620	38.447					
80		0.464	0.461	0.461	0.462	45.131	45.475	45.475	45.360					
90		0.370	0.357	0.357	0.361	56.259	57.748	57.748	57.252					
100		0.230	0.227	0.222	0.226	72.766	73.161	73.711	73.213					



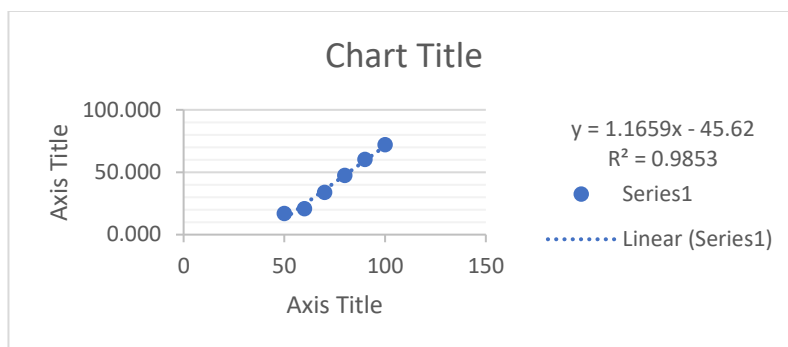
6. Formula 2

FORMULA 2														
KONSENTRASI	ABS BLANKO	ABSORBANSI SAMPEL			RATA" SAMPEL	% INHIBISI			RATA" %INHIBISI	y	a	b	NILAI IC50	SD
		R1	R2	R3		1	2	3						
50	0.845	0.641	0.641	0.640	0.641	24.114	24.182	24.293	24.196	50	20.399	0.889	72.951	0.133065
60		0.575	0.566	0.563	0.568	31.931	32.985	33.380	32.765					
70		0.496	0.486	0.477	0.486	41.258	42.535	43.499	42.431					
80		0.414	0.406	0.406	0.409	50.976	52.012	51.948	51.645					
90		0.377	0.371	0.373	0.374	55.371	56.078	55.865	55.771					
100		0.247	0.247	0.247	0.247	70.736	70.767	70.801	70.768					



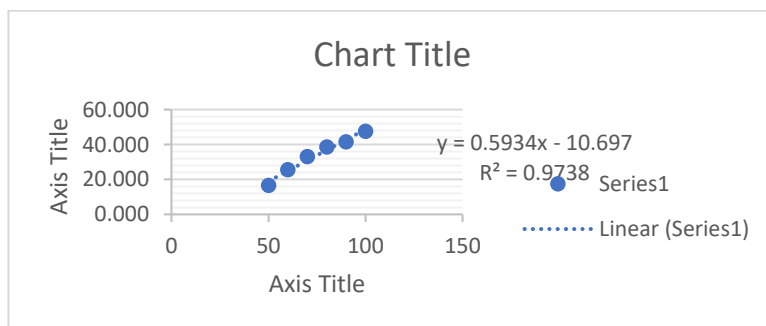
7. Formula 3

FORMULA 3														
KONSENTRASI	ABS BLANKO	ABSORBANSI SAMPEL			RATA" SAMPEL	% INHIBISI			RATA" %INHIBISI	y	a	b	NILAI IC50	SD
		R1	R2	R3		1	2	3						
50	0.845	0.705	0.702	0.703	0.703	16.586	16.884	16.772	16.747	50	45.62	1.166	82.014	0.17
60		0.670	0.669	0.668	0.669	20.654	20.882	20.968	20.835					
70		0.562	0.558	0.557	0.559	33.515	33.917	34.084	33.839					
80		0.452	0.445	0.440	0.445	46.524	47.396	47.929	47.283					
90		0.341	0.336	0.333	0.337	59.604	60.206	60.643	60.151					
100		0.243	0.234	0.231	0.236	71.224	72.355	72.667	72.082					



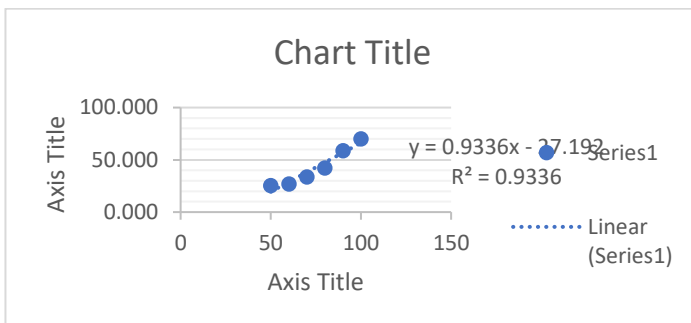
8. Formula 4

FORMULA 4														
KONSENTRASI	ABS BLANKO	ABSORBANSI SAMPEL			RATA" SAMPEL	% INHIBISI			RATA" %INHIBISI	y	a	b	NILAI IC50	SD
		R1	R2	R3		1	2	3						
50	0.84	0.700	0.700	0.700	0.700	16.667	16.667	16.667	16.667	50	10.7	0.5934	68.027	0.0888
60		0.625	0.626	0.625	0.625	25.595	25.476	25.595	25.556					
70		0.563	0.561	0.564	0.563	32.976	33.214	32.857	33.016					
80		0.519	0.516	0.512	0.516	38.214	38.571	39.048	38.611					
90		0.486	0.494	0.495	0.492	42.143	41.190	41.071	41.468					
100		0.445	0.441	0.436	0.441	47.024	47.500	48.095	47.540					

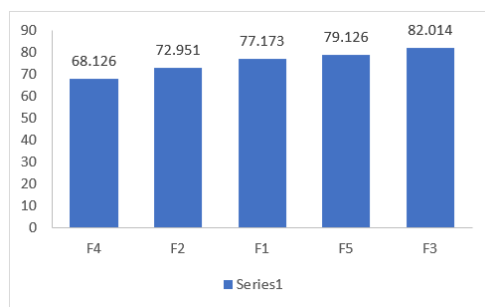


9. Formula 5

FORMULA 5													
KONSENTRASI	ABS BLANKO	ABSORBANSI SAMPEL			RATA" SAMPEL	% INHIBISI			RATA" %INHIBIS	y	a	b	NILAI IC50
		R1	R2	R3		1	2	3					
50	0.84	0.631	0.631	0.615	0.626	24.842	24.857	26.749	25.483	50	27.19	0.934	79.126
60		0.615	0.613	0.611	0.613	26.749	27.005	27.288	27.014				
70		0.561	0.557	0.555	0.558	33.246	33.643	33.895	33.595				
80		0.488	0.487	0.484	0.486	41.869	42.068	42.346	42.094				
90		0.352	0.340	0.352	0.348	58.145	59.546	58.145	58.612				
100		0.253	0.248	0.250	0.251	69.844	70.455	70.232	70.177				

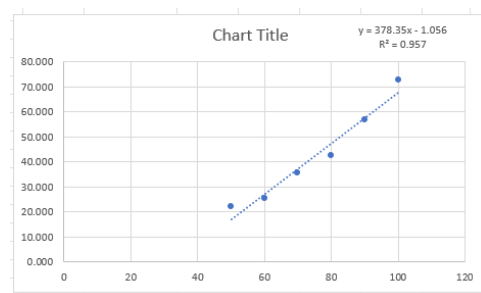


10. Grafik Dari Nilai Ic50 Terbaik



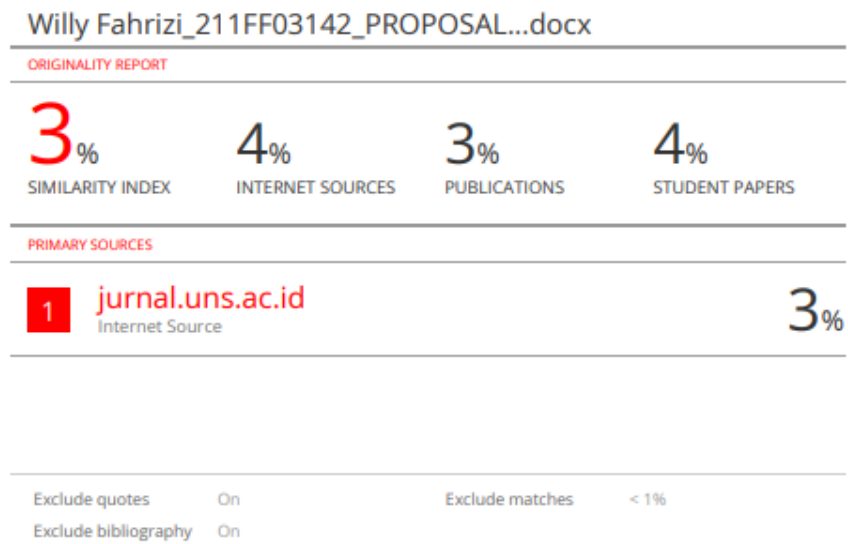
11. Hasil F0 Tanpa Ekstrak

FORMULA 0													
KONSENTRASI	ABS BLANKO	ABSORBANSI SAMPEL			RATA" SAMPEL	% INHIBISI			RATA" %INHIBIS	y	a	b	NILAI IC50
		R1	R2	R3		1	2	3					
50	0.84	0.678	0.679	0.609	0.655	19.286	19.167	27.500	21.984	50	378.35	1.05	410.333
60		0.660	0.613	0.611	0.628	21.429	27.005	27.288	25.240				
70		0.509	0.557	0.555	0.541	39.396	33.643	33.895	35.645				
80		0.488	0.479	0.484	0.484	41.869	43.016	42.346	42.411				
90		0.366	0.340	0.382	0.362	56.479	59.546	54.574	56.866				
100		0.213	0.228	0.250	0.231	74.606	72.836	70.232	72.558				



Lampiran 10. Hasil Turnitin

Hasil Turnitin



Lampiran 11. Hasil Bimbingan

No	Tanggal	Dosen Pembimbing	Topik	Disetujui	Aksi
1	17 April 2025	Ira Adiyati Rum, M.Si	bimbingan logbook	✓	 
1	10 Maret 2025	Drs. apt. Rahmat Santoso, M.Si	Bimbingan paska sempro	✓	 
2	20 April 2025	Ira Adiyati Rum, M.Si	progres penelitian	✓	 
2	12 Maret 2025	Drs. apt. Rahmat Santoso, M.Si	Diskusi Formula	✓	 
3	4 Mei 2025	Ira Adiyati Rum, M.Si	Kemajuan 1 Ta2	✓	 
3	14 Maret 2025	Drs. apt. Rahmat Santoso, M.Si	Diskusi Perubahan Formula	✓	 
4	18 Maret 2025	Drs. apt. Rahmat Santoso, M.Si	ACC perubahan Formula	✓	 
4	5 Mei 2025	Ira Adiyati Rum, M.Si	Kemajuan 1 TA 2	✓	 
5	20 Maret 2025	Drs. apt. Rahmat Santoso, M.Si	Diskusi mengenai Sediaan Orientasi	✓	 
5	4 Mei 2025	Ira Adiyati Rum, M.Si	bimibingan	✓	 
6	13 Juni 2025	Ira Adiyati Rum, M.Si	bimbingan skripsi	✓	 
6	19 Maret 2025	Drs. apt. Rahmat Santoso, M.Si	Diskusi mesh	✓	 
7	24 Mei 2025	Drs. apt. Rahmat Santoso, M.Si	Diskusi Sediaan	✓	 
8	26 Juni 2025	Ira Adiyati Rum, M.Si	presentasi	✓	 
8	8 Juli 2025	Ira Adiyati Rum, M.Si	ttd buat daftar semhas	✓	 
8	5 Mei 2025	Drs. apt. Rahmat Santoso, M.Si	Kemajuan 1 TA 2	✓	 
9	10 Juli 2025	Ira Adiyati Rum, M.Si	Abstrak	✓	 

Lampiran 12. Daftar Riwayat Hidup Penulis**DAFTAR RIWAYAT HIDUP***Curriculum Vitae*

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 Warga Negara / *Nationality* : Indonesia
 Agama / *Religion* : Islam
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Periode	Sekolah / Institusi / Universitas	Jurusan	Jenjang
2009 – 2015	SDN Binangkit	-	SD
2015 - 2018	Mts Miftahul Huda Rancasari	-	SMP
2018 - 2021	SMK Bhakti Kencana Subang	Farmasi	SMKS
2021 - 2025	Universitas Bhakti Kencana	S1	S1