

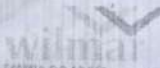
Lampiran 2. Certificate of Analysis Aquadest

CERTIFICATE OF ANALYSIS

Product Name	: AQUADEST	Molecular Weight	: 18.02 g/mol
Catalog No.	: A.1078	Batch No.	: 1088914
Grade	: Laboratory Reagent	Manufacturing Date	: Oct 06, 2021
Formula	: H ₂ O	Expire Date	: Oct, 2023
Cas No.	: 7732-18-5		

No.	ITEM TEST	UNITS	SPECIFICATION	RESULTS
1.	Appearance	-	Clear and free of visible particulate	Passes test
2.	Conductivity at 25 °C	uS/cm	≤ 1.0	0.16
3.	pH at 25 °C	-	5.5 - 8.0	7.8
4.	Total Dissolve Solid (TDS)	ppm	≤0.5	0.08
5.	Residu on evaporation	ppm	≤ 1.0	NIL
6.	Total Organic Carbon (TOC)	ppm	≤50	<50
7.	Total Hardness	ppm	≤ 0.1	NIL
8.	Chloride (Cl)	ppm	≤0.5	0.3
9.	Silica	ppm	≤0.5	0.0188
10.	Iron (Fe)	ppm	≤ 0.1	0.0379
11.	Aromatic Hydrocarbon	ppm	Free of Hydrocarbon	NIL

Lampiran 3. Certificate of Analysis gliserin


PT. WILMAR NABATI INDONESIA
 Quality Control Department



Date: 30 March 2022

CERTIFICATE OF ANALYSIS

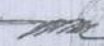
Ref No: QCC/359-2203/127

Product: REFINED GLYCERINE 97%
 Manufacturing Date: MARCH 14, 2022
 Best Before: MARCH 14, 2023
 Date of Receipt: MARCH 14, 2022
 Date of Analysis: MARCH 16, 2022
 Lot No: QCC/359-2203-245

Parameter	Unit	Result	Specification	Test Method
Appearance (*)		Transparent	Transparent	Visual
Identification A (FT)		Carbon	Carbon	USP 41 (2021) (10/11)
Identification B (*)				
Dilution Glycol	%	<0.10	0.1 max	USP 43 (2021) (P 1967)
Ethylene Glycol	%	<0.10	0.1 max	USP 43 (2021) (P 1967)
Identification C (GC)		Decanoic	Caproic	USP 43 (2021) (P 1967)
Glycerol Content	%	99.5	99.7 min	USP 43 (2021) (P 1967)
Crystals	ppm	<10	10 max	USP 43 (2021) (201)
Subsides	ppm	<20	20 max	USP 43 (2021) (201)
Residue on Ignition	%	0.003	0.01 max	USP 43 (2021) (281)
Reduced Viscosity				
Chlorinated Compounds (*)	ppm	<10	10 max	USP 43 (2021) (P 1965)
Color (ml. FeCl ₃ %)		<0.4	0.4 max	USP 43 (2021) (P 1965)
Specific Gravity @ 25		1.2614	1.2612 max	USP 43 (2021) (841)
Moisture Content	%	0.11	0.2 max	USP 43 (2021) (271)
Color (APHA %)		5	15 max	AOCS Ea 9-01
Heavy Metals as Pb	ppm	<1	5 max	USP 41 (2021) (231)

Remarks:
 (*) not specified parameter

The results of these tests relate only to the sample(s) submitted

Certified Correct

 30/03/2022
 Shio Juhana
 QC Manager

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Page 1 of 1

Lampiran 4. Certificate of Analysis DMDM

Date 2024-03-14 (YYYY-MM-DD) Time 03:20:00 (Greenwich Mean Time) Page 2 of 4

 DOW CHEMICAL PACIFIC (SINGAPORE) PRIVATE LIMITED					
S Residue on Ignition JP	%	-	0.0050	0.0015	Current JP
M Specific Gravity @ 25/25degC		1.035	1.037	1.036	Current USP
M Spec. Grav. @ 20C		1.0376	1.0389	1.0383	ASTM D4052
M Sulfate	ppm	-	60	< 60	Current USP
Water Content	%	-	0.200	0.013	Current USP
M ID Test A Matches IR scan	-	-	-	Pass	Current USP
ID Test B Limit of Ethylene Glycol	-	-	-	Pass	Current USP
ID Test B Limit of Diethylene Glycol	-	-	-	Pass	Current USP
ID Test C Matches GC Scan	-	-	-	Pass	Current USP
M Acidity	ml	-	0.05	0.02	Current EP
M Boiling Point	°C	184	189	185	Current EP
M Clarity	=	=	=	Pass	Current EP
M Color	-	-	-	Pass	Current EP
O Melting Point	°C	121	128	124	Current EP
M Oxidizing Substances 0.05M sodium thiosulfate	ml	-	0.20	0.03	Current EP
M Reducing Substances	-	-	-	Pass	Current EP
M Refractive Index @ 20degC		1.431	1.433	1.433	Current EP
M Relative Density @ 20/20degC		1.035	1.040	1.038	Current EP
Water Content	%	-	0.200	0.013	Current EP
Assay	%	99.80	-	99.97	Current FCC
M Acidity	-	-	-	Pass	Current FCC
M Appearance clear & colorless	-	-	-	Pass	Current FCC
M Distillation, IBP	°C	185.0	-	185.2	Current FCC
M Distillation, DP	°C	-	189.0	186.4	Current FCC

Lampiran 5. Certificate of Analysis Propilenglikol

Date 2024-03-14 (YYYY-MM-DD) Time 03:20:00 (Greenwich Mean Time) Page 1 of 4

 DOW CHEMICAL PACIFIC (SINGAPORE) PRIVATE LIMITED					
Certificate of Analysis					
Product Number	00000114877				
Product Name	Propylene Glycol USP/EP				
Delivery No.	827097981 / 000010				
Order Number	115924993				
Shipping Units	80.000 DR				
Date Shipped	2024-03-07 (YYYY-MM-DD)				
Shipment No.	44133541				
Batch Number	C61502FR31				
Seal Number	THBES2490				
Expiration Date	2026-02-14 (YYYY-MM-DD)				
Manufacturing Date	2024-02-15 (YYYY-MM-DD)				
Quantity	80.000 DR				
Net Weight	17200.000 KG				
Manufacturing Plant	MTP AIE PG				
Manufacturer Address	10/4 Moo 2 ASIA IND EST BANCHANG Rayong 21130				
Manufacturer: Dow Chemical Thailand Ltd					
It is hereby certified that the material indicated above has been inspected and tested in accordance with the conditions and requirements of the contract or purchase order and, unless agreed otherwise conforms in all respects to the specification relevant thereto and it meets all requirements of the current United States Pharmacopoeia, current Food Chemical Codex, current European Pharmacopoeia and current Pharmacopoeia of Japan.					
Test	Unit	Lower Limit	Upper Limit	Value	Method
S Residue on Ignition USP	%	-	0.0070	0.0015	Current JP
Assay	%	99.80	-	99.97	Current USP
M Acidity	ml	-	0.20	0.02	Current USP
S Sulfated ash EP	%	-	0.0100	0.0015	Current JP
M Chlorides	ppm	-	70	< 70	Current USP
S Residue on Ignition FCC	%	-	0.0070	0.0015	Current JP

Lampiran 6. Certificate of Analysis TEA

Time 15:06:32 (Greenwich Mean Time) Page 1 of 1

 DOW CHEMICAL PACIFIC (SINGAPORE) PRIVATE LIMITED		Ship From: SAINT GABRIEL 0001 Whse SAINT GABRIEL United States			
Certificate of Analysis					
Product Number	00000171424				
Product Name	Triethanolamine 99%				
Delivery No.	820339029 / 000010				
Order Number	112133642				
Date Shipped	2021-03-05 (YYYY-MM-DD)				
Shipment No.	38296069				
Batch Number	D673KD3KK2				
Manufacturing Date	2021-01-05 (YYYY-MM-DD)				
Test	Unit	Lower Limit	Upper Limit	Value	Method
Triethanolamine	WT%	99.00	-	99.29	DOWM 102349
Monoethanolamine	WT%	-	0.10	0.00	DOWM 102349
Diethanolamine	WT%	-	0.50	0.40	DOWM 102349
Water	WT%	-	0.2	0.0	ASTM E203
Iron	ppm wt	-	10.0	0.1	1B-17A-0.4
Color, Pt-Co	-	-	40	22	ASTM D5386
Appearance	-	-	-	Pass	DOWM 101967
The following properties are not determined on shipment samples. Typical values are: Specific gravity at 20/20 C: 1.1240 - 1.1270 by method 1B-17A-0; Equivalent weight: 148 - 150 by method 1B-17A-0.3					
Quality Coordinator For inquiries please contact Customer Service or local sales ® = Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow					

Lampiran 7. Certificate of Analysis DMDM

Date 2024-03-14 (YYYY-MM-DD) Time 03:20:00 (Greenwich Mean Time) Page 4 of 4

 DOW CHEMICAL PACIFIC (SINGAPORE) PRIVATE LIMITED	
Method DOWM 100687.	
Note 2: Values reported for residue on ignition and sulfated ash under USP, EP and FCC are obtained using the JP method which is allowed per the ICH Global Harmonization Q4B and General Provisions and Requirements Applying to Specifications, Tests, and Assays of the Food Chemicals Codex. M:Quarterly Sample Q:Annual Sample S:Semi-annual	
Plant Quality Coordinator	
For inquiries please contact Customer Service or local sales	
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Lampiran 8. Certificate of Analysis Viscolam

Date 2024-03-14 (YYYY-MM-DD) Time 03:20:00 (Greenwich Mean Time) Page 3 of 4

 DOW CHEMICAL PACIFIC (SINGAPORE) PRIVATE LIMITED		Thailand			
O Lead (Pb)	ppm	-	1.0	< 1.0	Current FCC
M Identification matches IR scan	-	-	-	Pass	Current FCC
M Specific Gravity @ 25/25degC		1.035	1.037	1.036	Current FCC
Water Content	%	-	0.200	0.013	Current FCC
M Acidity	-	-	-	Pass	Current JP
M Arsenic	ppm	-	2.0	< 2.0	Current JP
M Chlorides	%	-	0.007	< 0.007	Current JP
M Distilling Range 184 - 189 degC	% vol	95	-	99	Current JP
M Glycerine (Odor)	-	-	-	Pass	Current JP
M Heavy Metals	ppm	-	5.0	< 5.0	Current JP
O Melting Point	°C	174	178	177	Current JP
M Odor	-	-	-	Pass	Current JP
M Specific Gravity @ 20/20degC		1.035	1.040	1.038	Current JP
M Sulfate	%	-	0.002	< 0.002	Current JP
Water Content	%	-	0.500	0.013	Current JP
Acidity as acetic acid	%	-	0.0020	0.0004	DOWM 101370
Appearance clear, free of suspended matter	-	-	-	Pass	Visual
Chlorides	ppm	-	1.0	< 1.0	DOWM 101867
Color, Pt-Co	-	-	10	2	ASTM D5386
Dimer, Trimer & Higher Polymers	%	-	0.100	0.026	DOWM 100687
Ethylene Glycol	%	-	0.0080	< 0.0080	DOWM 100687
Diethylene Glycol	%	-	0.0080	< 0.0080	DOWM 100687
Odor practically odorless	-	-	-	Pass	Olfactory
Iron	ppm	-	0.30	0.05	ASTM E394

Note 1:
Values reported for Assay, Ethylene Glycol and Diethylene Glycol under
USP and for Assay under FCC are obtained using the validated equivalent Dow GC

Lampiran 9. Certificate of Analysis Metanol p.a



Certificate of Analysis

1.06009.2500 Methanol for analysis EMSURE® ACS,ISO,Reag. Ph Eur
 Batch 11258409

	Spec. Values		Batch Values	
Purity (GC)	≥ 99.9	%	99.9	%
Identity (IR)	conforms		conforms	
Appearance	clear		clear	
Color	≤ 10	Hazen	< 5	Hazen
Solubility in water	conforms		conforms	
Acidity	≤ 0.0002	meq/g	0.0001	meq/g
Alkalinity	≤ 0.0002	meq/g	< 0.0002	meq/g
Density (d 20 °C/20 °C)	0.791 - 0.793		0.793	
Boiling point	64 - 65	°C	64	°C
Benzene (impurity A) (GC)	≤ 2	ppm	< 1	ppm
Ethanol (GC)	≤ 0.05	%	< 0.01	%
Acetone	≤ 0.001	%	≤ 0.001	%
Acetaldehyde	≤ 0.001	%	≤ 0.001	%
Formaldehyde	≤ 0.001	%	≤ 0.001	%
Readily carbonizable substances	conforms		conforms	
Carbonyl compounds (as CO)	≤ 0.001	%	≤ 0.001	%
Chloride (Cl)	≤ 0.5	ppm	≤ 0.5	ppm
Sulfate (SO ₄)	≤ 1	ppm	≤ 1	ppm
Substances reducing potassium permanganate (as O)	≤ 0.00025	%	≤ 0.00025	%
Ag (Silver)	≤ 0.000002	%	≤ 0.000002	%
Al (Aluminium)	≤ 0.00005	%	≤ 0.00005	%
As (Arsenic)	≤ 0.000002	%	≤ 0.000002	%
Au (Gold)	≤ 0.000002	%	≤ 0.000002	%
Ba (Barium)	≤ 0.00001	%	≤ 0.00001	%
Be (Beryllium)	≤ 0.000002	%	≤ 0.000002	%
Bi (Bismuth)	≤ 0.000002	%	≤ 0.000002	%
Ca (Calcium)	≤ 0.00005	%	≤ 0.00005	%
Cd (Cadmium)	≤ 0.000005	%	≤ 0.000005	%
Co (Cobalt)	≤ 0.000002	%	≤ 0.000002	%
Cr (Chromium)	≤ 0.000002	%	≤ 0.000002	%
Cu (Copper)	≤ 0.000002	%	≤ 0.000002	%
Fe (Iron)	≤ 0.00001	%	≤ 0.00001	%
Ga (Gallium)	≤ 0.000002	%	≤ 0.000002	%
In (Indium)	≤ 0.000002	%	≤ 0.000002	%
Li (Lithium)	≤ 0.000002	%	≤ 0.000002	%
Mg (Magnesium)	≤ 0.00001	%	≤ 0.00001	%
Mn (Manganese)	≤ 0.000002	%	≤ 0.000002	%
Mo (Molybdenum)	≤ 0.000002	%	≤ 0.000002	%
Ni (Nickel)	≤ 0.000002	%	≤ 0.000002	%
Pb (Lead)	≤ 0.00001	%	≤ 0.00001	%
Pt (Platinum)	≤ 0.000005	%	≤ 0.000005	%

Merck KGaA
Corporation with General Partners
Frankfurter Straße 250
64293 Darmstadt, Germany

The life science business of Merck KGaA, Darmstadt,
Germany operates as MilliporeSigma in the U.S. and
Canada.

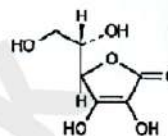
Page 1 of 2

Lampiran 10. Certificate of Analysis Vitamin C



SERTIFIKAT ANALISIS

NAMA ZAT : ASAM ASKORBAT BPL
 NO KONTROL : B0114243
 FORMULA : $C_6H_8O_6$
 BOBOT MOLEKUL : 176.12 g/mol



TUJUAN PENGGUNAAN :
 - Identifikasi secara spektrofotometri inframerah
 - identifikasi secara spektrofotometri ultraviolet
 - titik lebur dan kemurnian secara *differential scanning calorimetry*
 - penetapan kadar secara kromatografi cair kinerja tinggi
 - penetapan kadar secara spektrofotometri ultraviolet

WADAH DAN PENYIMPANAN : dalam wadah tertutup rapat, terhindar dari kontak langsung dengan cahaya.

PENGUJIAN	ACUAN/METODE	SPESIFIKASI	HASIL
Pemerian		Serbuk hablur putih atau hampir putih, atau hablur tidak berwarna	Memenuhi syarat
Identifikasi	Spektrofotometri Inframerah (USP 35 hal. 2242; BP 2009 hal. 173)	Sesuai dengan spektrum inframerah baku primer Ascorbic acid USPRS no. Lot ROK142	Memenuhi syarat
	Spektrofotometri Ultraviolet (BP 2009 hal. 173)	Sesuai dengan spektrum ultraviolet baku primer Ascorbic acid USPRS no. Lot ROK142; Serapan jenis pada 243 nm adalah 545-585	Memenuhi syarat ; Serapan jenis pada 243 nm = 550
Titik Lebur dan Kemurnian	<i>Differential Scanning Calorimetry</i> (BP 2009 hal. 173)	190°C	189,01°C; Kemurnian 99,60%
Penetapan Kadar	Spektrofotometri Ultraviolet (BP 2009 hal. 173)	99,0 – 100,5%	99,56 ± 2,03%
	Kromatografi Cair Kinerja Tinggi (Modifikasi MA 02/PK/12)	99,0 – 100,5%	100,15 ± 0,83 %

Kepala Pusat Pengujian Obat dan Makanan Nasional
 Dr. Lili Prapti Karyani, M.Si., Apt.
 NIP. 19601223 199503 2 001



Lampiran 11. Certificate of Analysis DPPH



Product Information

Revision : 01
Date of Revision: 19.12.2018

2,2-Diphenyl-1-picrylhydrazyl**MB263****For Molecular Biology****Product Identifier**

CAS No.	: 1898-66-4
EC No.	: 217-591-8
Molecular Formula	: $C_{18}H_{12}N_5O_6$
Molecular Weight	: 394.32
HS Code	: 2928 00 90
Storage	: Below 30°C
Shelf life	: 4 years

Technical Specification

Appearance	: Green to dark violet to black-gold to black crystals or powder or solid
Solubility	: 33.3 mg soluble in 1 mL of dimethylformamide
FTIR	: Matches with the standard pattern
DNases	: None detected
RNases	: None detected
Assay (HPLC)	: min. 85.00%

Safety Information

Hazard Pictogram(s)



Signal Word	: Danger
Hazard Statement(s)	: H317- H334
Precautionary Statement(s)	: P261- P280- P342 + P311
UN No.	: Not dangerous goods
Class	: -
Packing Group	: -
RTECS	: MW3250000
WGK	: I

Address : C-40, Road No.21/Y, MIDC, Waghe Ind. Area, Thane(W) - 400604, Maharashtra, India. Phone: +91-022-6147 1919, 6903 48 00
Fax: +91-022-6147 1920, 6903 48 90 email : info@himedialabs.com. Visit us at our website: www.himedialabs.com

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Lampiran 12. Dokumentasi Hasil Evaluasi Fermentasi Kombucha Sari Buah
Belimbing Wuluh

Uji Organoleptik	
	
Uji Homogenitas	
	
Uji pH	
	

Lampiran 13. Dokumentasi Hasil Evaluasi Optimasi Basis Gel

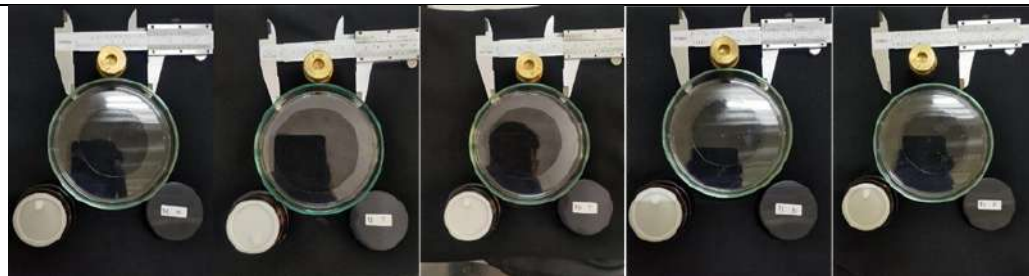
Uji Organoleptik & Homogenitas



Uji pH



Uji Daya Sebar



Uji Viskositas



Lampiran 14. Dokumentasi Hasil Evaluasi Uji Stabilitas Selama 28 Hari Dalam
Suhu suhu ruang (25-30°C)

Uji Organoleptik

Uji pH

Uji Daya Sebar


Uji Viskositas



Uji Antioksidan



Lampiran 15. Hasil Uji Statistik Fermentasi Terhadap pH

Tests of Normality

	FORMULA	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
PH	F1	.182	3	.	.999	3	.935
	FII	.253	3	.	.964	3	.637
	FIII	.292	3	.	.923	3	.463
	F4	.253	3	.	.964	3	.637
	F5	.219	3	.	.987	3	.780
	F6	.204	3	.	.993	3	.843
	F7	.292	3	.	.923	3	.463
	F8	.219	3	.	.987	3	.780

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
PH	Based on Mean	1.802	7	16	.156
	Based on Median	1.429	7	16	.261
	Based on Median and with adjusted df	1.429	7	5.042	.358
	Based on trimmed mean	1.782	7	16	.160

ANOVA

PH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.734	7	.248	179.118	.000
Within Groups	.022	16	.001		
Total	1.757	23			

Lampiran 16. Hasil Uji Statistik Fermentasi Terhadap Nilai Aktivitas Antioksidan

Tests of Normality							
		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Formula_Antioksi	Statistic	df	Sig.	Statistic	df	Sig.
IC50	Formula 1	.199	3	.	.995	3	.864
	Formula 2	.346	3	.	.837	3	.205
	Formula 3	.291	3	.	.925	3	.471
	Formula 4	.365	3	.	.796	3	.106
	Formula 5	.177	3	.	1.000	3	.973
	Formula 6	.175	3	.	1.000	3	1.000
	Sari Belimbing Wuluh	.219	3	.	.987	3	.780
	Kombucha	.232	3	.	.980	3	.726

a. Lilliefors Significance Correction

Test of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
IC50	Based on Mean	1.136	7	16	.390
	Based on Median	.388	7	16	.896
	Based on Median and with adjusted df	.388	7	11.343	.891
	Based on trimmed mean	1.071	7	16	.425

ANOVA

IC50					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	643903.837	7	91986.262	97161.745	.000
Within Groups	15.148	16	.947		
Total	643918.984	23			

Lampiran 17. Hasil Uji Statistik Evaluasi Optimasi Basis Gel Terhadap pH

Tests of Normality

		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	BASIS	Statistic	df	Sig.	Statistic	df	Sig.
PH	FI	.253	3	.	.964	3	.637
	FII	.328	3	.	.871	3	.298
	FIII	.175	3	.	1.000	3	1.000

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
PH	Based on Mean	1.455	2	6	.305
	Based on Median	.189	2	6	.832
	Based on Median and with adjusted df	.189	2	4.423	.834
	Based on trimmed mean	1.270	2	6	.347

ANOVA

PH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.094	2	.047	71.915	.000
Within Groups	.004	6	.001		
Total	.098	8			

Lampiran 18. Hasil Uji Statistik Evaluasi Optimasi Basis Gel Terhadap Daya Sebar

Tests of Normality							
		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	BASIS	Statistic	df	Sig.	Statistic	df	Sig.
DAYA SEBAR	FI	.292	3	.	.923	3	.463
	FII	.219	3	.	.987	3	.780
	FIII	.253	3	.	.964	3	.637
a. Lilliefors Significance Correction							
Test of Homogeneity of Variances							
		Levene Statistic	df1	df2	Sig.		
DAYA SEBAR	Based on Mean	.373	2	6	.703		
	Based on Median	.176	2	6	.842		
	Based on Median and with adjusted df	.176	2	5.402	.843		
	Based on trimmed mean	.357	2	6	.714		
ANOVA							
DAYA SEBAR							
		Sum of Squares	df	Mean Square	F	Sig.	
Between Groups		1.140	2	.570	13.154	.006	
Within Groups		.260	6	.043			
Total		1.400	8				

Lampiran 19. Hasil Uji Statistik Evaluasi Optimasi Basis Gel Terhadap Viskositas

Tests of Normality							
	BASIS	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
VISKOSITAS	FI	.314	3	.	.893	3	.364
	FII	.175	3	.	1.000	3	.995
	FIII	.309	3	.	.900	3	.385

a. Lilliefors Significance Correction

Test of Homogeneity of Variances					
		Levene	df1	df2	Sig.
		Statistic			
VISKOSITAS	Based on Mean	2.122	2	6	.201
	Based on Median	.320	2	6	.738
	Based on Median and with adjusted df	.320	2	4.119	.743
	Based on trimmed mean	1.886	2	6	.231

ANOVA					
VISKOSITAS					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	83976648.00	2	41988324.00	895.611	.000
Within Groups	281294.000	6	46882.333		
Total	84257942.00	8			

Lampiran 20. Hasil Uji Statistik Evaluasi Sediaan Gel Terhadap pH

Tests of Normality							
	Hari	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
PHF0	Hari Ke 1	.219	3	.	.987	3	.780
	Hari Ke 3	.253	3	.	.964	3	.637
	Hari Ke 7	.314	3	.	.893	3	.363
	Hari Ke 14	.253	3	.	.964	3	.637
	Hari Ke 21	.175	3	.	1.000	3	1.000
	Hari Ke 28	.253	3	.	.964	3	.637
PHFI	Hari Ke 1	.196	3	.	.996	3	.878
	Hari Ke 3	.175	3	.	1.000	3	1.000
	Hari Ke 7	.273	3	.	.945	3	.549
	Hari Ke 14	.349	3	.	.832	3	.194
	Hari Ke 21	.358	3	.	.812	3	.144
	Hari Ke 28	.353	3	.	.824	3	.174
PHFII	Hari Ke 1	.219	3	.	.987	3	.780
	Hari Ke 3	.358	3	.	.812	3	.144
	Hari Ke 7	.331	3	.	.865	3	.281
	Hari Ke 14	.337	3	.	.855	3	.253
	Hari Ke 21	.193	3	.	.997	3	.890
	Hari Ke 28	.175	3	.	1.000	3	1.000
PHFIII	Hari Ke 1	.240	3	.	.975	3	.694
	Hari Ke 3	.175	3	.	1.000	3	1.000
	Hari Ke 7	.213	3	.	.990	3	.806
	Hari Ke 14	.211	3	.	.991	3	.817
	Hari Ke 21	.314	3	.	.893	3	.363
	Hari Ke 28	.301	3	.	.912	3	.424

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
PHF0	Based on Mean	.596	5	12	.704
	Based on Median	.210	5	12	.952
	Based on Median and with adjusted df	.210	5	8.909	.950
	Based on trimmed mean	.562	5	12	.728
PHF1	Based on Mean	2.666	5	12	.076
	Based on Median	.462	5	12	.797
	Based on Median and with adjusted df	.462	5	7.291	.794
	Based on trimmed mean	2.377	5	12	.102
PHFII	Based on Mean	2.091	5	12	.137
	Based on Median	.323	5	12	.890
	Based on Median and with adjusted df	.323	5	6.249	.883
	Based on trimmed mean	1.864	5	12	.175
PHFIII	Based on Mean	2.218	5	12	.120
	Based on Median	1.020	5	12	.448
	Based on Median and with adjusted df	1.020	5	6.348	.478
	Based on trimmed mean	2.125	5	12	.132

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
PHF0	Between Groups	.001	5	.000	.281	.915
	Within Groups	.006	12	.001		
	Total	.007	17			
PHF1	Between Groups	.183	5	.037	6.315	.004
	Within Groups	.070	12	.006		
	Total	.253	17			
PHFII	Between Groups	.651	5	.130	16.590	.000
	Within Groups	.094	12	.008		
	Total	.745	17			
PHFIII	Between Groups	.517	5	.103	19.165	.000
	Within Groups	.065	12	.005		
	Total	.582	17			

Lampiran 21. Hasil Uji Statistik Evaluasi Sediaan Gel Terhadap Daya Sebar

Tests of Normality							
	Hari	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
DSF0	Hari Ke 1	.303	3	.	.908	3	.413
	Hari Ke 3	.253	3	.	.964	3	.637
	Hari Ke 7	.198	3	.	.995	3	.868
	Hari Ke 14	.253	3	.	.964	3	.637
	Hari Ke 21	.196	3	.	.996	3	.878
	Hari Ke 28	.253	3	.	.964	3	.637
DSFI	Hari Ke 1	.253	3	.	.964	3	.637
	Hari Ke 3	.181	3	.	.999	3	.942
	Hari Ke 7	.301	3	.	.912	3	.424
	Hari Ke 14	.370	3	.	.786	3	.081
	Hari Ke 21	.304	3	.	.907	3	.407
	Hari Ke 28	.196	3	.	.996	3	.878
DSFII	Hari Ke 1	.181	3	.	.999	3	.942
	Hari Ke 3	.323	3	.	.879	3	.321
	Hari Ke 7	.276	3	.	.942	3	.537
	Hari Ke 14	.253	3	.	.964	3	.637
	Hari Ke 21	.276	3	.	.942	3	.537
	Hari Ke 28	.185	3	.	.998	3	.923
DSFIII	Hari Ke 1	.278	3	.	.940	3	.527
	Hari Ke 3	.348	3	.	.834	3	.199
	Hari Ke 7	.352	3	.	.825	3	.175
	Hari Ke 14	.298	3	.	.916	3	.439
	Hari Ke 21	.329	3	.	.869	3	.293
	Hari Ke 28	.234	3	.	.979	3	.719

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
DSF0	Based on Mean	1.403	5	12	.291
	Based on Median	.805	5	12	.568
	Based on Median and with adjusted df	.805	5	6.432	.583
	Based on trimmed mean	1.363	5	12	.305
DSF1	Based on Mean	.972	5	12	.473
	Based on Median	.481	5	12	.784
	Based on Median and with adjusted df	.481	5	7.787	.782
	Based on trimmed mean	.936	5	12	.492
DSFII	Based on Mean	1.193	5	12	.369
	Based on Median	.735	5	12	.611
	Based on Median and with adjusted df	.735	5	8.140	.617
	Based on trimmed mean	1.165	5	12	.381
DSFIII	Based on Mean	.734	5	12	.612
	Based on Median	.128	5	12	.983
	Based on Median and with adjusted df	.128	5	8.769	.982
	Based on trimmed mean	.653	5	12	.665

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
DSF0	Between Groups	.202	5	.040	.953	.483
	Within Groups	.509	12	.042		
	Total	.711	17			
DSF1	Between Groups	.029	5	.006	.467	.793
	Within Groups	.151	12	.013		
	Total	.181	17			
DSFII	Between Groups	.104	5	.021	1.009	.454
	Within Groups	.247	12	.021		
	Total	.351	17			
DSFIII	Between Groups	.742	5	.148	.872	.528
	Within Groups	2.042	12	.170		
	Total	2.783	17			

Lampiran 22. Hasil Uji Statistik Evaluasi Sediaan Gel Terhadap Viskositas

Tests of Normality							
	Hari	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
VISKOSITASF0	Hari Ke 1	.305	3	.	.906	3	.404
	Hari Ke 3	.175	3	.	1.000	3	.995
	Hari Ke 7	.233	3	.	.979	3	.723
	Hari Ke 14	.225	3	.	.984	3	.755
	Hari Ke 21	.289	3	.	.927	3	.477
	Hari Ke 28	.175	3	.	1.000	3	.995
VISKOSITASFI	Hari Ke 1	.314	3	.	.893	3	.363
	Hari Ke 3	.290	3	.	.926	3	.472
	Hari Ke 7	.227	3	.	.983	3	.749
	Hari Ke 14	.285	3	.	.931	3	.494
	Hari Ke 21	.287	3	.	.929	3	.486
	Hari Ke 28	.278	3	.	.941	3	.529
VISKOSITASFII	Hari Ke 1	.253	3	.	.964	3	.637
	Hari Ke 3	.365	3	.	.797	3	.108
	Hari Ke 7	.210	3	.	.991	3	.820
	Hari Ke 14	.350	3	.	.830	3	.187
	Hari Ke 21	.232	3	.	.980	3	.726
	Hari Ke 28	.286	3	.	.930	3	.490
VISKOSITASFIII	Hari Ke 1	.192	3	.	.997	3	.895
	Hari Ke 3	.249	3	.	.968	3	.656
	Hari Ke 7	.328	3	.	.870	3	.295
	Hari Ke 14	.258	3	.	.960	3	.617
	Hari Ke 21	.302	3	.	.911	3	.420
	Hari Ke 28	.336	3	.	.855	3	.255

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
VISKOSITASFO	Based on Mean	.150	5	12	.976
	Based on Median	.102	5	12	.990
	Based on Median and with adjusted df	.102	5	11.347	.990
	Based on trimmed mean	.146	5	12	.977
VISKOSITASFI	Based on Mean	1.174	5	12	.377
	Based on Median	.405	5	12	.836
	Based on Median and with adjusted df	.405	5	8.244	.833
	Based on trimmed mean	1.102	5	12	.409
VISKOSITASFII	Based on Mean	2.732	5	12	.071
	Based on Median	.753	5	12	.600
	Based on Median and with adjusted df	.753	5	6.405	.612
	Based on trimmed mean	2.535	5	12	.087
VISKOSITASFIII	Based on Mean	1.122	5	12	.400
	Based on Median	.216	5	12	.949
	Based on Median and with adjusted df	.216	5	9.083	.947
	Based on trimmed mean	1.012	5	12	.452

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
VISKOSITASFO	Between Groups	6600.000	5	1320.000	.110	.988
	Within Groups	143708.000	12	11975.667		
	Total	150308.000	17			
VISKOSITASFI	Between Groups	241347.778	5	48269.556	2.271	.113
	Within Groups	255060.000	12	21255.000		
	Total	496407.778	17			
VISKOSITASFII	Between Groups	120296.444	5	24059.289	.436	.815
	Within Groups	662308.000	12	55192.333		
	Total	782604.444	17			
VISKOSITASFIII	Between Groups	28544.500	5	5708.900	.105	.989
	Within Groups	649480.000	12	54123.333		
	Total	678024.500	17			

Lampiran 23. Hasil Statistik Evaluasi Sediaan Gel Terhadap Nilai Aktivitas Antioksidan

Paired Samples Statistics					
		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Zat Aktif	98.5600	3	.00000	.00000
	Formula 1	150.8767	3	1.44836	.83621
Pair 2	Zat Aktif	98.5600	3	.00000	.00000
	Formula 2	134.4333	3	1.76976	1.02177
Pair 3	Zat Aktif	98.5600	3	.00000	.00000
	Formula 3	99.7700	3	.95142	.54930

Paired Samples Correlations				
		N	Correlation	Sig.
Pair 1	Zat Aktif & Formula 1	3	.	.
Pair 2	Zat Aktif & Formula 2	3	.	.
Pair 3	Zat Aktif & Formula 3	3	.	.

Paired Samples Test									
Paired Differences									
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
					Lower	Upper			
Pair 1	Zat Aktif	-52.31667	1.44836	.83621	-55.91458	-48.71875	-62.564	2	.000
	Formula 1								
Pair 2	Zat Aktif	-35.87333	1.76976	1.02177	-40.26965	-31.47702	-35.109	2	.001
	Formula 2								
Pair 3	Zat Aktif	-1.21000	.95142	.54930	-3.57346	-1.15346	-2.203	2	.001
	Formula 3								

Lampiran 24. Daftar Tabel Hasil Penelitian

Tabel Uji Organoleptik Fermentasi Kombucha Sari Buah Belimbing Wuluh				
Formulasi	Uji Organoleptik			Rasa
	Aroma	Warna		
FERMENTASI BATCH 1				
Formulasi 1	Khas Fermentasi	Kuning kecoklatan	Asam	
Formulasi 2	Khas Fermentasi	Kuning	Asam	
Formulasi 3	Khas Fermentasi	Kuning Kecoklatan	Asam	
Formulasi 4	Khas Fermentasi	Kuning	Asam	
Formulasi 5	Khas Fermentasi	Kuning Kecoklatan	Asam	
Formulasi 6	Khas Fermentasi	Kuning	Asam	
FERMENTASI BATCH 2				
Formulasi 1	Khas Fermentasi	Kuning kecoklatan	Asam	
Formulasi 2	Khas Fermentasi	Kuning	Asam	
Formulasi 3	Khas Fermentasi	Kuning Kecoklatan	Asam	
Formulasi 4	Khas Fermentasi	Kuning	Asam	
Formulasi 5	Khas Fermentasi	Kuning Kecoklatan	Asam	
Formulasi 6	Khas Fermentasi	Kuning	Asam	
FERMENTASI BATCH 3				
Formulasi 1	Khas Fermentasi	Kuning kecoklatan	Asam	
Formulasi 2	Khas Fermentasi	Kuning	Asam	
Formulasi 3	Khas Fermentasi	Kuning Kecoklatan	Asam	
Formulasi 4	Khas Fermentasi	Kuning	Asam	
Formulasi 5	Khas Fermentasi	Kuning Kecoklatan	Asam	
Formulasi 6	Khas Fermentasi	Kuning	Asam	

Tabel Uji pH Fermentasi Kombucha Sari Buah Belimbing Wuluh					
Formulasi	Uji pH Fertmentasi			Rata-rata	SD
	Betch 1	Betch 2	Betch 3		
Formulasi 1	1,49	1,57	1,4	1,48	0,09
Formulasi 2	1,5	1,49	1,49	1,49	0,01
Formulasi 3	1,37	1,35	1,35	1,35	0,01
Formulasi 4	1,37	1,33	1,33	1,35	0,02
Formulasi 5	1,4	1,4	1,41	1,41	0,01
Formulasi 6	1,44	1,44	1,45	1,45	0,01
Kombucha	0,79	0,8	0,8	0,80	0,01
SBWW	1,82	1,85	1,87	1,85	0,03

Tabel Uji Nilai IC50 Fermentasi Kombucha Sari Buah Belimbing Wuluh					
Formula	Nilai IC50 Fermentasi			Rata-rata	SD
	Betch 1	Betch 2	Betch 3		
Formula A	347,465	347,465	347,465	347,465	0,12
Formula B	133,141	133,141	133,141	133,141	0,90
Formula C	238,107	238,107	238,107	238,107	0,98
Formula D	120,045	120,045	120,045	120,045	0,03
Formula E	169,089	169,089	169,089	169,089	0,97
Formula F	98,56	98,56	98,56	98,56	0,00
Kombucha	597,174	597,174	597,174	75,201	0,04
SBWW	75,201	75,201	75,201	597,174	0,12
Tabel Uji Organoleptik Optimasi Basis Gel					
Uji Organoleptik					
Formula	Warna		Tekstur	Aroma	
Formula 1	Putih Bening		Agak Kental	Tidak Beraroma	
Formula 2	Putih Bening		Kental	Tidak Beraroma	
Formula 3	Putih Bening		SangatKental	Tidak Beraroma	
Tabel Uji Homogenitas Optimasi Basis Gel					
	Formula				
	Formula 1	Formula 2	Formula 3		
	Hasil	Homogen	Homogen	Homogen	
Tabel Uji pH Optimasi Basis Gel					
Formula	Uji pH			Rata-rata	SD
	Batch 1	batch 2	batch 3		
Formula 1	7,41	7,41	7,41	7,41	0,00
Formula 2	7,22	7,22	7,22	7,22	0,00
Formula 3	7,17	7,17	7,17	7,17	0,00
Tabel Daya Sebar Optimasi Basis Gel					
Formula	Uji Daya Sebar			Rata-rata	SD
	batch 1	batch 2	batch 3		
Formula 1	5,87	6,04	5,88	5,93	0,10
Formula 2	5,22	5,22	5,18	5,21	0,02
Formula 3	5,1	5,18	5,04	5,11	0,07

Tabel Viskositas Optimasi Basis Gel					
Formula	Uji Viskositas			Rata-rata	SD
	batch 1	batch 2	batch 3		
Formula 1	5.333	5.867	5760	5.653	282,5
Formula 2	9.067	9.173	9.280	9.173	106,5
Formula 3	12.480	13.457	13.457	13.131	564,1
Tabel Uji Organoleptik Formulasi Sediaan Gel					
Hari ke-	Formula	Warna	Tekstur	Aroma	
1	Formula 0	Putih Bening	Kental	Tidak Beraroma	
3		Putih Bening	Kental	Tidak Beraroma	
7		Putih Bening	Kental	Tidak Beraroma	
14		Putih Bening	Kental	Tidak Beraroma	
21		Putih Bening	Kental	Tidak Beraroma	
28		Putih Bening	Kental	Tidak Beraroma	
1	Formula 1	Putih Bening	Kental	Tidak Beraroma	
3		Putih Bening	Kental	Tidak Beraroma	
7		Putih Bening	Kental	Tidak Beraroma	
14		Putih Bening	Kental	Tidak Beraroma	
21		Putih Bening	Kental	Tidak Beraroma	
28		Putih Bening	Kental	Tidak Beraroma	
1	Formula 2	Putih Bening	Kental	Tidak Beraroma	
3		Putih Bening	Kental	Tidak Beraroma	
7		Putih Bening	Kental	Tidak Beraroma	
14		Putih Bening	Kental	Tidak Beraroma	
21		Putih Bening	Kental	Tidak Beraroma	
28		Putih Bening	Kental	Tidak Beraroma	
1	Formula 3	Putih Keruh	Agak Kental	Tidak Beraroma	
3		Putih Keruh	Agak Kental	Tidak Beraroma	
7		Putih Keruh	Agak Kental	Tidak Beraroma	
14		Putih Keruh	Agak Kental	Tidak Beraroma	
21		Putih Keruh	Agak Kental	Tidak Beraroma	
28		Putih Keruh	Agak Kental	Tidak Beraroma	

Tabel Uji Homogenitas Formulasi Sediaan Gel

Hari ke-	Formula	Betch 1	Betch 2	Betch 3
1	Formula 0	Homogen	Homogen	Homogen
3		Homogen	Homogen	Homogen
7		Homogen	Homogen	Homogen
14		Homogen	Homogen	Homogen
21		Homogen	Homogen	Homogen
28		Homogen	Homogen	Homogen
1	Formula 1	Homogen	Homogen	Homogen
3		Homogen	Homogen	Homogen
7		Homogen	Homogen	Homogen
14		Homogen	Homogen	Homogen
21		Homogen	Homogen	Homogen
28		Homogen	Homogen	Homogen
1	Formula 2	Homogen	Homogen	Homogen
3		Homogen	Homogen	Homogen
7		Homogen	Homogen	Homogen
14		Homogen	Homogen	Homogen
21		Homogen	Homogen	Homogen
28		Homogen	Homogen	Homogen
1	Formula 3	Homogen	Homogen	Homogen
3		Homogen	Homogen	Homogen
7		Homogen	Homogen	Homogen
14		Homogen	Homogen	Homogen
21		Homogen	Homogen	Homogen
28		Homogen	Homogen	Homogen

Tabel Uji pH Formulasi Sediaan Gel

Hari ke-	Formula	Betch 1	Betch 2	Betch 3	Rata-rata	SD
1	Formula 0	5	5,18	5,02	5	0,10
3		5,22	5,18	5	5	0,12
7		5,1	5,7	5,18	5	0,33
14		5,8	5,1	5,22	5	0,37
21		5,18	5,18	5,18	5	0,00
28		5,22	5,22	5,1	5	0,07
1	Formula 1	5,18	5,18	5,18	5,18	0,00
3		5,3	5,3	5	5	0,17
7		5,35	5,18	5,35	5	0,10
14		5,35	5,18	5,35	5	0,10
21		5,35	5,18	5,35	5	0,10
28		5,35	5,18	5,35	5	0,10
1	Formula 2	5,89	5,71	5,71	6	0,10
3		5,89	5,71	5,71	6	0,10
7		5,89	5,71	5,71	6	0,10
14		5,71	5,71	5,71	6	0,00
21		5,71	5,71	5,71	6	0,00
28		5,83	5,71	5,71	6	0,07
1	Formula 3	5,71	5,71	6,2	6	0,28
3		5,71	6,2	6,2	6	0,28
7		5,71	6,2	6,2	6	0,28
14		5,71	6,2	6,2	6	0,28
21		5,71	6,2	6,2	6	0,28
28		6,59	5,71	6,2	6	0,44

Tabel Uji Daya Sebar Formulasi Sediaan Gel

Hari ke-	Formula	Betch 1	Betch 2	Betch 3	Rata-rata	SD
1	Formula 0	7,21	7,19	7,21	7	0,01
3		7,19	7,2	7,22	7	0,02
7		7,2	7,21	7,16	7	0,03
14		7,16	7,22	7,2	7	0,03
21		7,17	7,21	7,19	7	0,02
28		7,2	7,18	7,21	7	0,02
1	Formula 1	6,76	6,81	6,72	6,8	0,05
3		6,79	6,77	6,75	7	0,02
7		7,08	7,05	6,86	7,0	0,12
14		7,07	7,05	6,89	7,0	0,10
21		6,89	7	7,01	7,0	0,07
28		6,8	6,89	6,9	6,9	0,06
1	Formula 2	6,73	6,76	6,71	7	0,03
3		6,33	6,57	6,55	6	0,13
7		7,08	7,05	6,89	7	0,10
14		6,96	6,94	6,82	6,9	0,08
21		7,04	7,15	6,95	7,0	0,10
28		6,95	6,9	6,85	7	0,05
1	Formula 3	6,7	6,61	6,6	7	0,06
3		6,52	6,52	6,52	7	0,00
7		6,97	6,9	6,8	7	0,09
14		6,85	6,85	6,8	7	0,03
21		7,1	7,1	6,89	7	0,12
28		6,98	6,85	6,88	7	0,07

Tabel Uji Viskositas Formulasi Sediaan Gel

Hari ke-	Formula	Betch 1	Betch 2	Betch 3	Rata-rata	SD
1	Formula 0	9067	9173	9280	9173	106,5
3		9067	9173	9280	9173	106,5
7		9067	9173	9280	9173	106,5
14		9067	9173	9280	9173	106,5
21		9067	9173	9280	9173	106,5
28		9067	9173	9280	9173	106,5
1	Formula 1	8178	8178	8178	8178	0,0
3		8000	8178	8000	8059	102,8

7		8355	8178	8355	8296	102,2
14		8355	8178	8355	8296	102,2
21		8355	8178	8355	8296	102,2
28		8355	8178	8355	8296	102,2
1	Formula 2	6933	6400	6400	6578	307,7
3		6933	6400	6400	6578	307,7
7		6933	6400	6400	6578	307,7
14		6400	6400	6400	6400	0,000
21		6400	6400	6400	6400	0,0
28		6755	6400	6400	6518	205,0
1	Formula 3	6400	6044	6044	6163	205,5
3		6400	6044	6044	6163	205,5
7		6400	6044	6044	6163	205,5
14		6400	6044	6044	6163	205,5
21		6400	6044	6044	6163	205,5
28		5867	6400	6044	6104	271,5
Tabel Uji Antioksidan Formulasi Sediaan Gel						
Formula	Nilai IC50 Sediaan Gel			Rata-rata	SD	
	Betch 1	Betch 2	Betch 3			
Formula 1	149,21	151,59	151,83	150,88	1,45	
Formula 2	136,47	133,56	133,141	134,39	1,81	
Formula 3	98,99	99,49	100,83	99,77	0,95	

Tabel Hasil Evaluasi Uji Aktivitas Antioksidan

a. Vitamin C

Konsentrasi (nm/ml)	Abs Kontrol			% inhibisi			IC ₅₀			Rata-rata	SD
	1	2	3	1	2	3	1	2	3		
7	0,733	0,73	0,726	9,282	9,653	10,149	11,547	11,507	11,797	11,617	0,157
8	0,648	0,645	0,643	19,802	20,173	20,421					
9	0,558	0,556	0,554	30,941	31,188	31,436					
10	0,473	0,471	0,469	41,46	41,708	41,955					
11	0,381	0,376	0,379	52,847	53,465	53,097					
12	0,236	0,231	0,229	70,792	71,411	71,658					
13	0,733	0,73	0,726	9,282	9,653	10,149					

b. Sampel

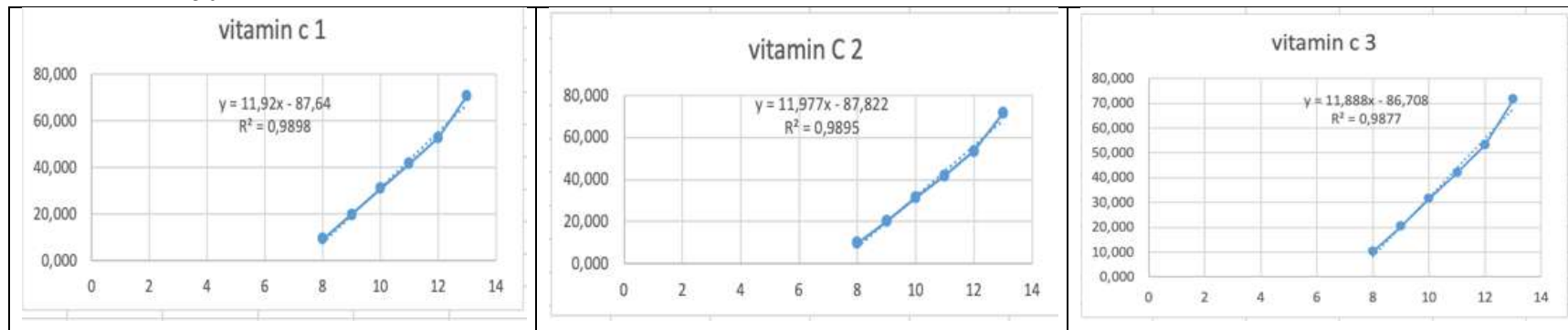
FORMULA	KON SENT RASI (NM/ ML)	ABS KONT ROL	ABS SAMPEL			INHIBISI %			IC ₅₀			RATA- RATA IC50	SD
			1	2	3	1	2	3	1	2	3		
Sari buah belimbing wuluh	500	0,946	0,484	0,484	0,484	48,837	48,837	48,837	597,310	597,107	597,107	597,174	0,117
	750	0,946	0,447	0,447	0,447	52,748	52,748	52,748					
	1000	0,946	0,400	0,400	0,400	57,717	57,717	57,717					
	1250	0,946	0,361	0,360	0,360	61,839	61,839	61,945					
	1500	0,946	0,309	0,309	0,309	67,336	67,336	67,336					
	1750	0,946	0,249	0,249	0,249	73,679	73,679	73,679					
Kombucha	50	0,946	0,638	0,638	0,638	32,558	32,558	32,558	75,159	75,210	75,236	75,201	0,039
	60	0,946	0,562	0,562	0,562	40,592	40,592	40,592					
	70	0,946	0,510	0,510	0,510	46,089	46,089	46,089					

	80	0,946	0,441	0,441	0,441	53,383	53,383	53,383						
	90	0,946	0,376	0,377	0,378	60,254	60,148	60,042						
	100	0,946	0,317	0,318	0,318	66,490	66,385	66,385						
10 % 100 %	200	0,946	0,512	0,512	0,512	45,877	45,877	45,877	347,32 4	347,53 5	347,53 5	347,46 5	0,122	
	350	0,946	0,476	0,476	0,476	49,683	49,683	49,683						
	500	0,946	0,430	0,430	0,430	54,545	54,545	54,545						
	650	0,946	0,385	0,386	0,386	59,302	59,197	59,197						
	800	0,946	0,357	0,357	0,357	62,262	62,262	62,262						
	950	0,946	0,310	0,310	0,310	67,230	67,230	67,230						
15% 100 %	250	0,946	0,476	0,476	0,476	49,683	49,683	49,683	237,65 3	239,23 1	237,43 6	238,10 7	0,980	
	500	0,946	0,427	0,427	0,427	54,863	54,863	54,863						
	750	0,946	0,370	0,370	0,370	60,888	60,888	60,888						
	1000	0,946	0,327	0,328	0,328	65,433	65,328	65,328						
	1250	0,946	0,285	0,285	0,285	69,873	69,873	69,873						
	1500	0,946	0,246	0,246	0,247	73,996	73,996	73,890						
20 % 100 %	200	0,946	0,466	0,466	0,466	50,740	50,740	50,740	169,65 1	169,65 1	167,96 5	169,08 9	0,973	
	400	0,946	0,438	0,438	0,438	53,700	53,700	53,700						
	600	0,946	0,404	0,404	0,403	57,294	57,294	57,400						
	800	0,946	0,368	0,368	0,368	61,099	61,099	61,099						
	1000	0,946	0,338	0,338	0,338	64,271	64,271	64,271						
	1200	0,946	0,305	0,305	0,305	67,759	67,759	67,759						
10 % 50 %	100	0,946	0,581	0,581	0,581	38,584	38,584	38,584	134,17 9	132,57 1	132,67 2	133,14 1	0,901	
	120	0,946	0,521	0,521	0,521	44,926	44,926	44,926						
	140	0,946	0,448	0,447	0,448	52,643	52,748	52,643						
	160	0,946	0,372	0,372	0,373	60,677	60,677	60,571						
	180	0,946	0,313	0,313	0,313	66,913	66,913	66,913						
	200	0,946	0,259	0,258	0,258	72,622	72,727	72,727						

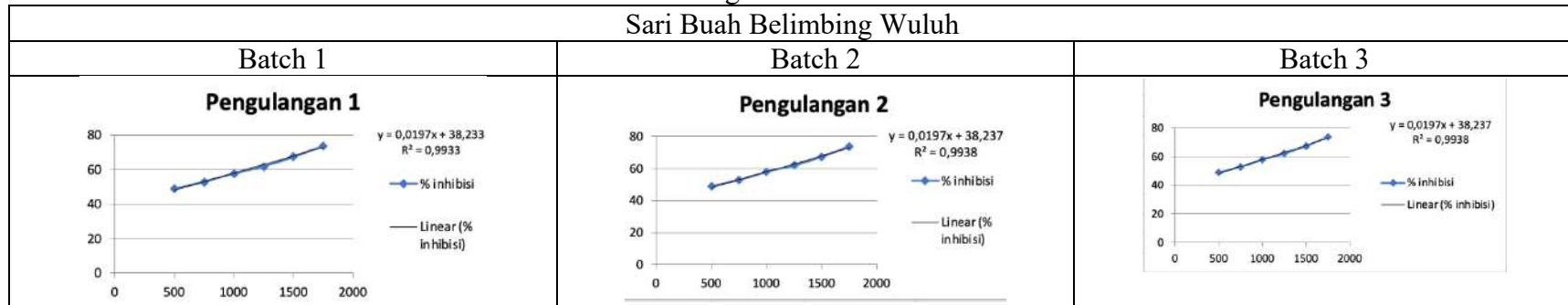
15% 50 %	100	0,946	0,547	0,547	0,547	42,178	42,178	42,178	120,03 3	120,02 7	120,07 6	120,04 5	0,027
	120	0,946	0,471	0,471	0,471	50,211	50,211	50,211					
	140	0,946	0,403	0,403	0,403	57,400	57,400	57,400					
	160	0,946	0,333	0,333	0,334	64,799	64,799	64,693					
	180	0,946	0,273	0,274	0,275	71,142	71,036	70,930					
	200	0,946	0,218	0,219	0,220	76,956	76,850	76,744					
20 % 50 %	100	0,946	0,471	0,471	0,471	50,211	50,211	50,211	98,560	98,560	98,560	98,560	0,000
	120	0,946	0,433	0,433	0,433	54,228	54,228	54,228					
	140	0,946	0,391	0,391	0,391	58,668	58,668	58,668					
	160	0,946	0,349	0,349	0,349	63,108	63,108	63,108					
	180	0,946	0,312	0,312	0,312	67,019	67,019	67,019					
	200	0,946	0,278	0,278	0,278	70,613	70,613	70,613					
FI	100	0,946	0,284	0,283	0,286	59,52	59,84	59,98	146,35 7	148,88 8	149,19 1	150,88 0	1,550
	120	0,946	0,345	0,342	0,346	50,16	50,40	50,79					
	140	0,946	0,350	0,352	0,356	48,77	49,61	49,40					
	160	0,946	0,359	0,360	0,357	48,59	48,33	48,20					
	180	0,946	0,365	0,365	0,370	46,80	47,43	47,42					
	200	0,946	0,393	0,392	0,394	43,36	43,48	43,54					
FII	100	0,946	0,296	0,295	0,296	58,13	58,27	58,13	134,00 9	131,36 9	130,95 5	134,43 0	1,660
	120	0,946	0,342	0,343	0,343	50,79	50,65	50,65					
	140	0,946	0,376	0,374	0,377	45,90	46,19	45,76					
	160	0,946	0,377	0,391	0,392	45,76	43,74	43,60					
	180	0,946	0,394	0,405	0,401	43,31	41,73	42,30					
	200	0,946	0,404	0,410	0,404	41,87	41,01	41,87					
FIII	100	0,946	0,344	0,344	0,345	51,22	51,22	51,08	95,584	96,043	97,423	99,770	0,960
	120	0,946	0,376	0,376	0,373	45,90	45,90	46,33					
	140	0,946	0,381	0,380	0,378	45,18	45,32	45,61					

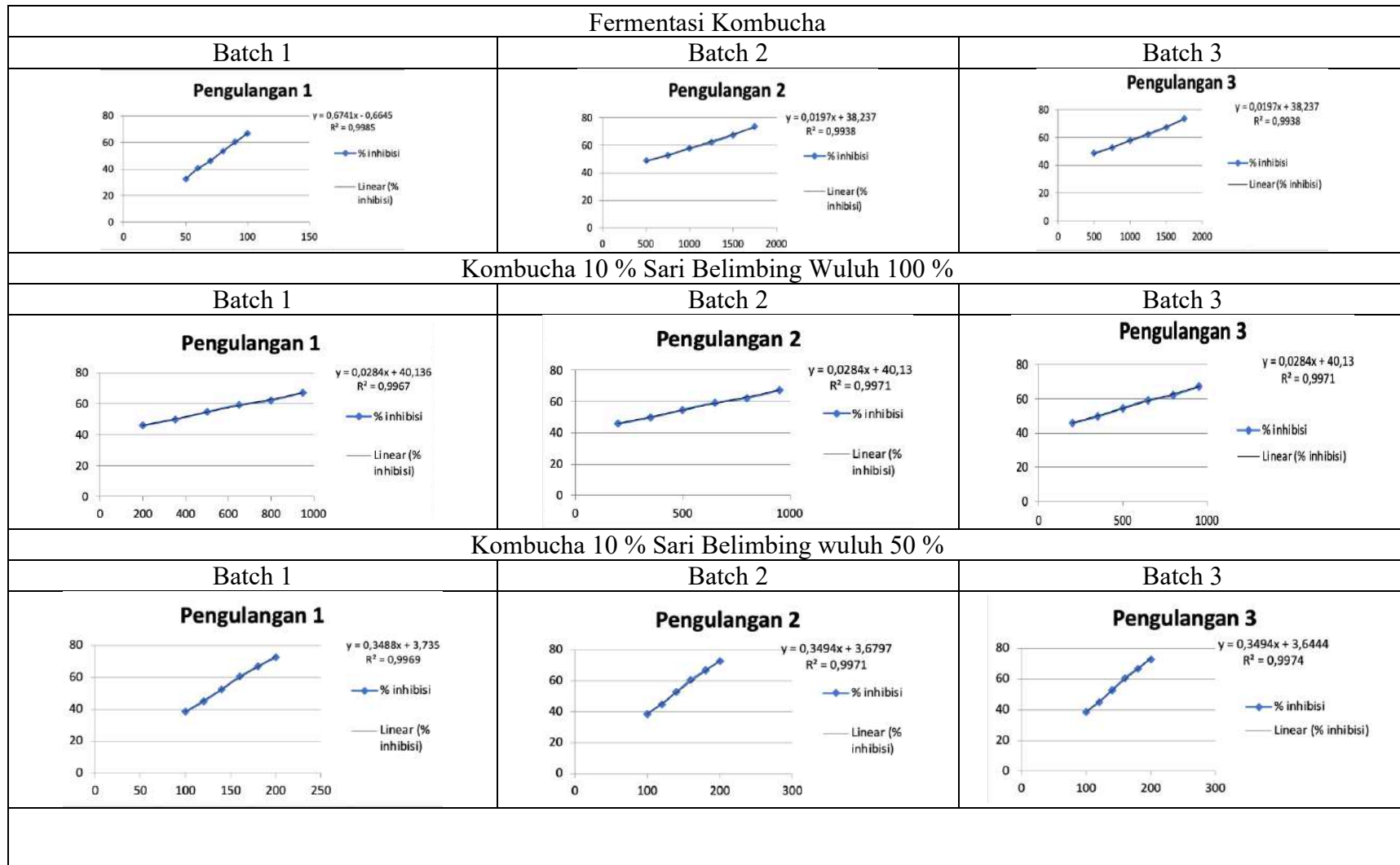
	160	0,946	0,398	0,399	0,397	42,73	42,59	42,88					
	180	0,946	0,413	0,413	0,411	40,58	40,58	40,86					
	200	0,946	0,415	0,416	0,415	40,29	40,14	40,29					

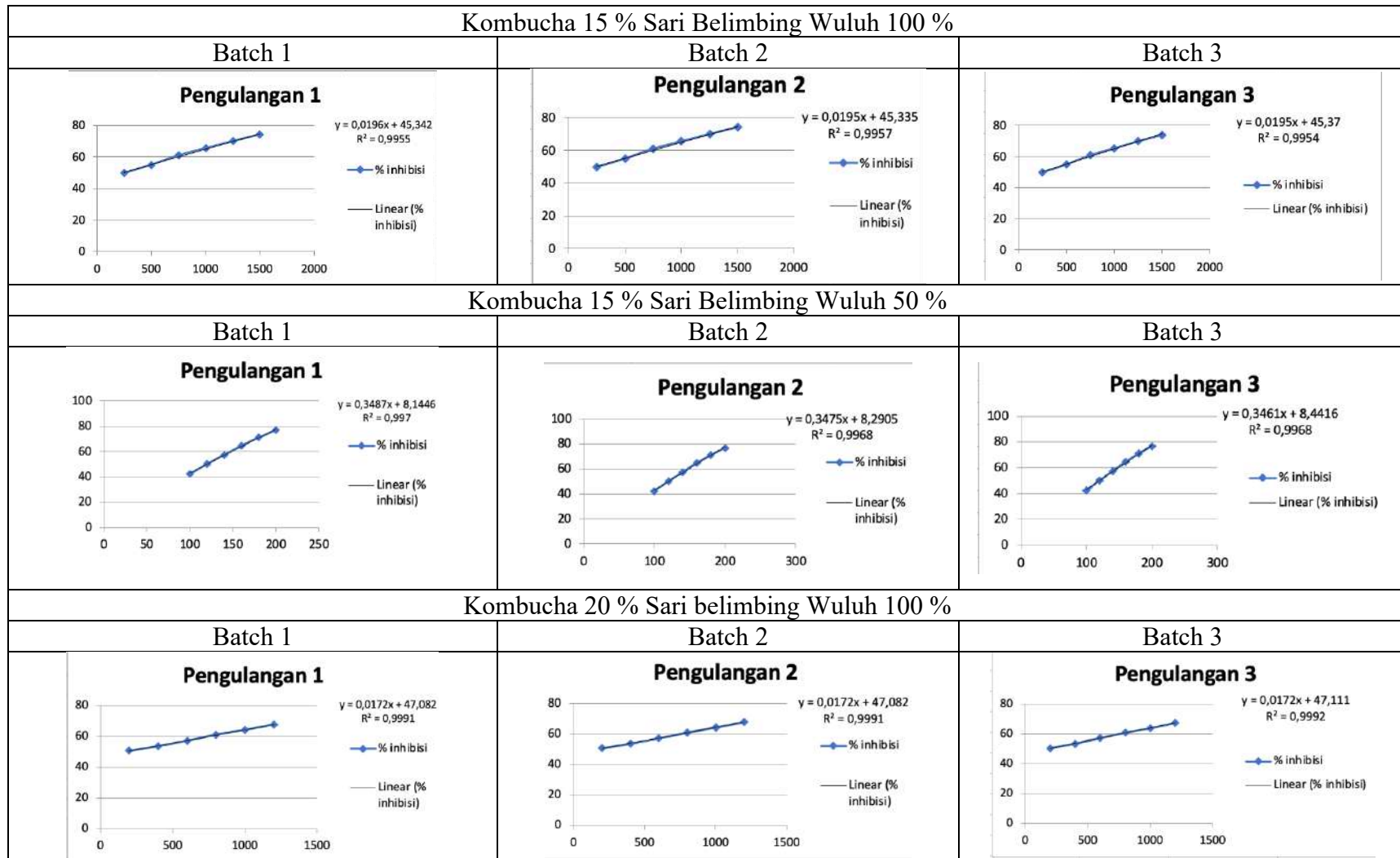
Kurva Nilai IC50 Vitamin C

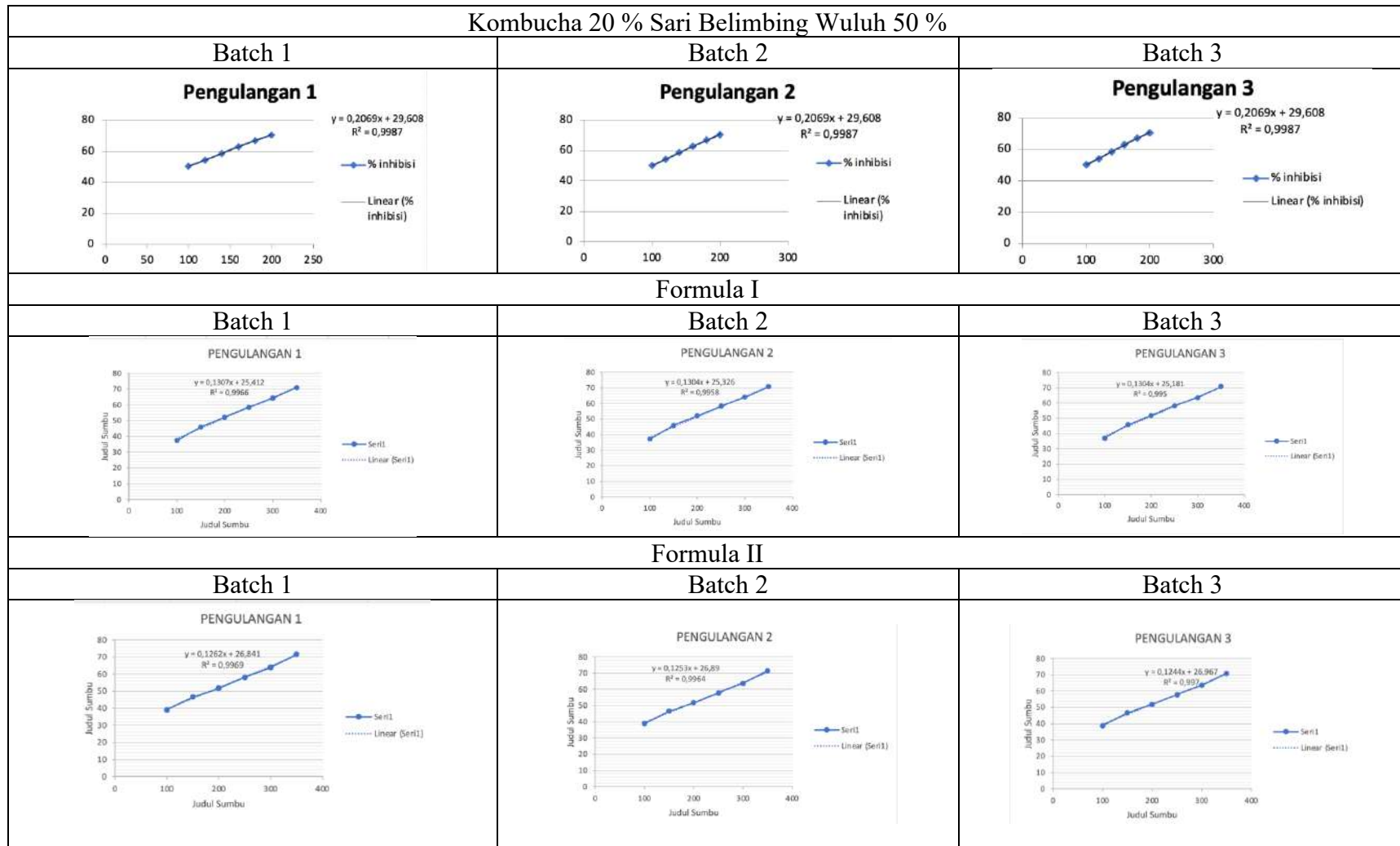


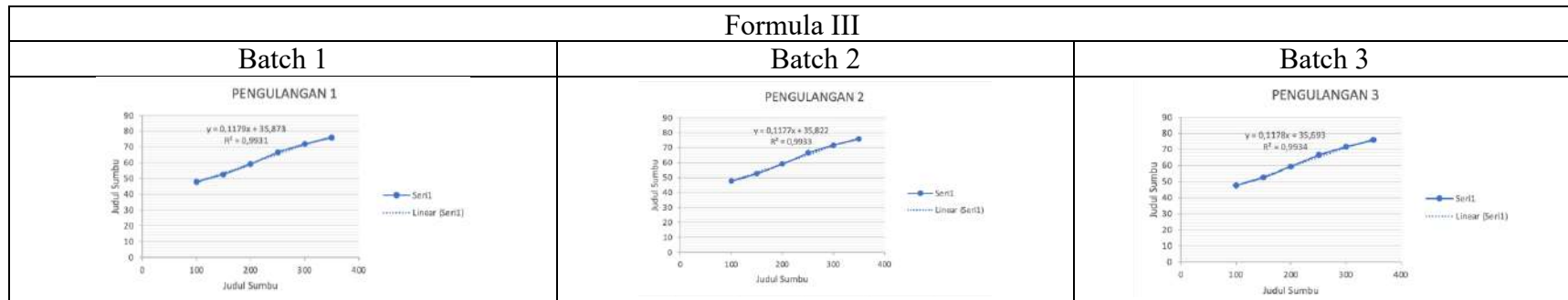
Kurva Nilai IC50 Fermentasi Kombucha Sari Buah Belimbing Wuluh



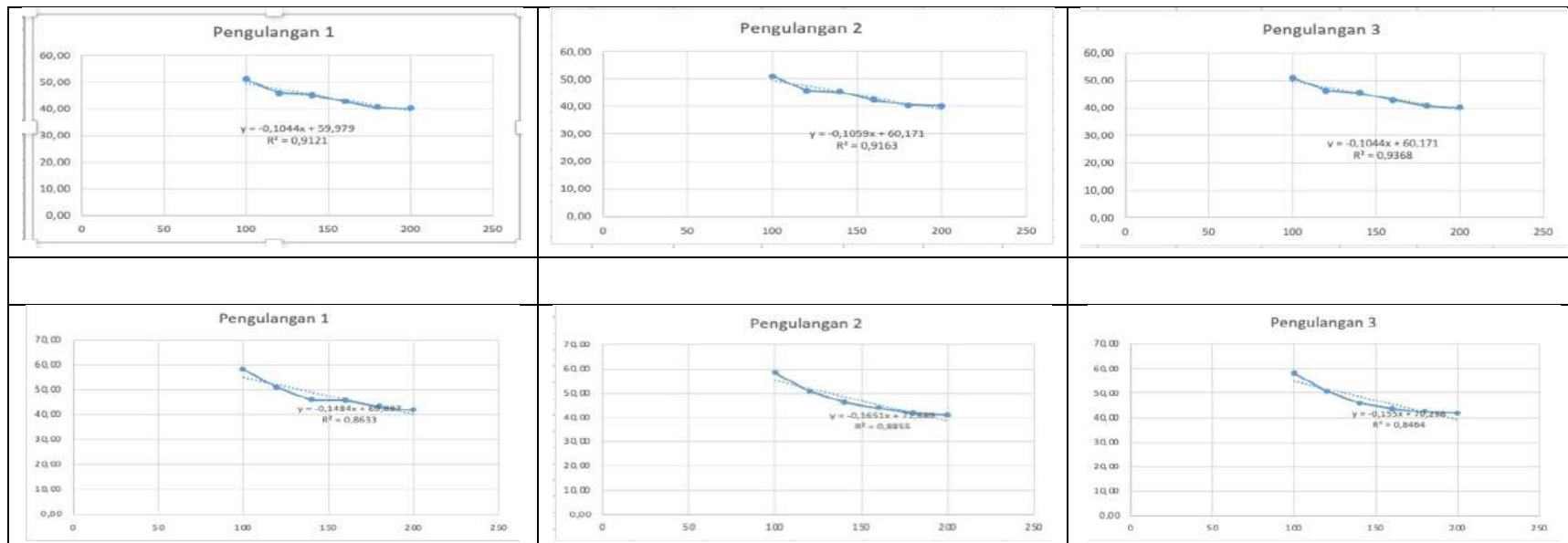








Kurva Nilai IC50 Sediaan Gel



[illegible]

Lampiran 26. Hasil Cek Plagiarisme di Turnitin

JUHARIYAH			
ORIGINALITY REPORT			
7 %	7 %	2 %	%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS
PRIMARY SOURCES			
1	profood.unram.ac.id Internet Source	2 %	
2	etheses.uin-malang.ac.id Internet Source	1 %	
3	jurnal.undhirabali.ac.id Internet Source	1 %	
4	rafri-rafri.blogspot.com Internet Source	1 %	
5	docplayer.info Internet Source	1 %	
6	repository.usd.ac.id Internet Source	1 %	
7	www.scribd.com Internet Source	1 %	
8	ecampus.poltekkes-medan.ac.id Internet Source	1 %	

KARTU BIMBINGAN TUGAS AKHIR-I/TUGAS AKHIR II

Pembimbing Serta	: Dr. apt. Garnadi Jafar, M.Si
Nama Mahasiswa	: Juhariyah
NPM	: 221FF04033
Bidang Ilmu	: Farmasetika dan Teknologi Farmasi

No	Hari/Tanggal	Waktu	Tempat	Materi	Paraf Dosen
1.	Rabu 21-02-2024	13.00	Kampus	Diskusi Terkait Optimasi basis	5
2.	Selasa 30-03-2024	11.30	Kampus	Diskusi Terkait TA II	5
3.	Rabu 17-04-2024	14.00	Kampus	Diskusi Optimasi basis base	5
4.	Senin 22-04-2024	09.00	Kampus	Diskusi Formulasi	5
5.	Kamis 25-04-2024	11.00	Kampus	Diskusi Formulasi	5
6.	Selasa 30-04-2024	11.30	Kampus	Diskusi Formulasi	5
7.	Kamis 16-05-2024	14.00	Kampus	Diskusi Formulasi	5
8.	Selasa 28-05-2024	14.00	Kampus	Diskusi Formulasi	5
9.	Jum'at 31-05-2024	14.00	Kampus	Diskusi Formulasi	5
10.	Kamis 04-06-2024	14.00	Kampus	Diskusi evaluasi	5
11.	Kamis 14-06-2024	14.00	Kampus	Diskusi evaluasi	5

Catatan: Kartu ini harus dibawa setiap kali melakukan bimbingan dan harus diisi oleh dosen pembimbing.

☎ 022 7830 760, 022 7830 768

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Lampiran 28. Curriculum Vitae



JUHARIYAH

FARMASI

PROFIL

Saya lulusan S1 farmasi. Saya adalah pribadi aktif dan juga memiliki kemampuan komunikasi yang baik, selain itu saya juga mampu bekerja sama dengan tim dan saya orang yang bertanggung jawab atas tugas dan pekerjaan saya.

PENGALAMAN

- **PRAKTEK KERJA LAPANGAN / 2021-2022**
Apotek Vita Medika
UPD Puskesmas Mengger

EDUKASI

Universitas Bhakti Kenacana
D3 farmasi 2019-2022
S1 farmasi 2022-2024

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Kec. Panjalu, Kota Bandung.
Jawa Barat

BAHASA

- INDONESIA