

## LAMPIRAN

**FAKULTAS ILMU KESEHATAN DAN TEKNOLOGI**  
**'AISYIYAH PALEMBANG**  
**PROGRAM STUDI SI FARMASI**  
 Jl. Kol. H. Burlan -Lr. M. Husin No. 907 RT. 12/RW. 04 Kel. Karya Baru  
 Kec. Alang-alang LebarKM. 7,5 Palembang 30152 Telp. 0711-421981  
[www.unisa-palembang.ac.id](http://www.unisa-palembang.ac.id) [farmasi.aisyiyah@gmail.com](mailto:farmasi.aisyiyah@gmail.com)

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

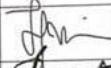


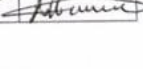
**FORMULIR**  
**PERNYATAAN SELESAI REVISI SKRIPSI\*)**  
**(S-06)**

Yang bertandatangan dibawah ini, tim penguji Skripsi 1/ Skripsi 2\*):


Nama Mahasiswa : Jessica Wahyu Pratiwi  
 NIM : 214820103014  
 Judul Penelitian : Formula *Jelly Candy* Dari Umbi Bit (*Beta Vulgaris*)  
 Dan Buah Naga (*Hylocereus Polyrhizus*) Sebagai  
 Pendamping Pencegahan Anemia Pada Remaja Putri

Pembimbing 1 : Intan Trisakti, M.Farm  
 Pembimbing 2 : Dr. Eduan Effendi., DCN., M. Sc., PH  
 Tanggal Ujian : 30 Agustus 2025

Menerangkan bahwa naskah Proposal/ Skripsi\*) telah selesai direvisi oleh tim penguji.

Nama	Tanda Tangan	Tanggal
1. Intan Trisakti, M.Farm		2 / 09 / 2025
2. Dr. Eduan Effendi., DCN., M. Sc., PH		2 / 09 / 2025
3. apt. Galih Pratiwi M.Pharm, Sci		3 / 09 / 2025
4. Tri Oktariani, S.Farm., M.Farm		3 / 09 / 2025

\*) : Coret yang tidak perlu.

	<b>SURAT</b>	
	No Dokumen	Form-A1
	Berlaku Sejak	
	Revisi	000

Tgl : Permohonan Izin Penelitian

Kepada Yth  
Kabag Laboratorium Terpadu  
Universitas 'Aisyiyah Palembang

1	Skripsi
2	PKM/LKTI
3	Penelitian Dosen
4	Luar

Assalamualaikum Wr. Wb.

Sehubungan dengan penelitian kami dalam bidang.....

dengan:  
Judul Penelitian : Formula Jelly Candy Dari Umbi Bit (*Beta Vulgaris*) Dan Buah Naga (*Hylocereus Polyrhizus*) Sebagai Pendamping Pencegahan Anemia Pada Remaja Putri

Nama Pembimbing : 1. Intan Trisakti., S. Farm., M. Farm.  
2. Dr. Eduan Effendi., DCN., M. Sc., PH.

No	Nama	NIM/NIP/NIK	No. HP
1	Jessica Wahyu Pratiwi	214820103014	083869742107

Bermaksud mengajukan izin penelitian di Laboratorium<sup>\*)</sup>: Farmasetika Dasar / Teknologi Farmasi / Kimia Farmasi / Biologi Farmasi / Farmakologi / Mikrobiologi / Komputasi Prodi S1 Farmasi Universitas 'Aisyiyah Palembang.

Penelitian tersebut akan kami laksanakan selama:  akan  kami .....

bulan, yang terhitung dari : s.d


Sebagai bahan pertimbangan, bersama ini dilampirkan lembar pengesahan proposal penelitian.

Demikian permohonan kami, atas perhatiannya diucapkan terima kasih.

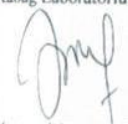
Palembang, 16 April 2025

Mengetahui,


Dosen Pembimbing

  
Intan Trisakti, S. Farm., M. Farm.

Menyetujui,  
Kabag Laboratorium Terpadu

  
Meni Riyanti, SPT, M. Kes

Pemohon

  
Jessica Wahyu Pratiwi

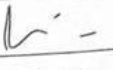









  
Kaprodi S1 Farmasi  
api onny Indriani M. Farm

**UNISA** FAKULTAS KESEHATAN DAN TEKNOLOGI (FKes1)  
UNIVERSITAS AISYIYAH PALEMBANG PROGRAM STUDI :  
SI FARMASI

Jl. Kol. H. Burlian – Lr. M. Husin KM. 7,5 No. 907 Kota Palembang, Kode Pos 30152, Telp (0711) 417135  
Email: [farmasi@unisa-palembang.ac.id](mailto:farmasi@unisa-palembang.ac.id)

FORMULIR BIMBINGAN SKRIPSI

Nama : Jessica Wahyu Pratiwi  
NIM : 214820103014  
Nama Pembimbing : Intan Trisakti., S. Farm., M. Farm  
Judul Skripsi : Formula *Jelly Candy* Dari Umbi Bit (*Beta Vulgaris*) Dan Buah Naga (*Hylocereus Polyrhizus*) Sebagai Pendamping Pencegahan Anemia Pada Remaja Putri

No.	Tanggal Konsultasi	Keterangan	Paraf Pembimbing
1.	6 Mei 2025	Revisi BAB IV	
2.	20 Mei 2025	Revisi BAB IV dan Pembahasan	
3.	13 Juni 2025	Konsultasi Hasil Penelitian	
4.	21 Juli 2025	Revisi Hasil Penelitian	
5.	25 Juli 2025	Revisi BAB IV dan V	
6.	15 Agustus 2025	Revisi BAB IV	
7.	19 Agustus 2025	Revisi BAB V	
8.	25 Agustus 2025	Revisi BAB I-V	
9.	27 Agustus 2025	Bimbingan Draf Skripsi	
10.	28 Agustus 2025	Fiksasi Draf Skripsi	



**UNISA**  
UNIVERSITAS AISYIYAH PALEMBANG

FAKULTAS KESEHATAN DAN TEKNOLOGI (FKesT)  
PROGRAM STUDI :  
SI FARMASI

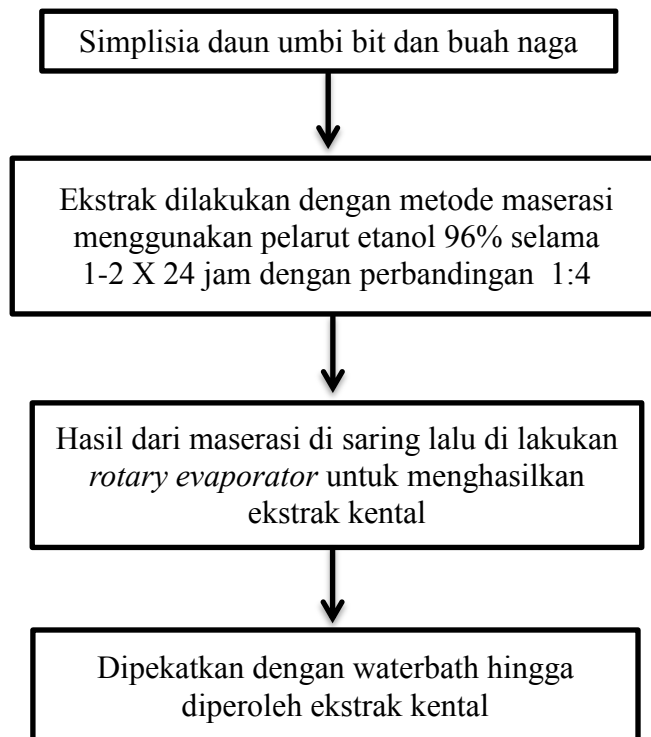
Jl. Kol. H. Burlan – Lr. M. Husin KM. 7,5 No. 907 Kota Palembang, Kode Pos 30152, Telp (0711) 417135  
Email: [farmasi@unisa-palembang.ac.id](mailto:farmasi@unisa-palembang.ac.id)

FORMULIR BIMBINGAN SKRIPSI

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7.	19 Agustus 2025	Revisi BAB V	
8.	25 Agustus 2025	Revisi BAB I-V	
9.	27 Agustus 2025	Bimbingan Draf Skripsi	
10.	28 Agustus 2025	Fiksasi Draf Skripsi	

**Lampiran 1. Skema kerja pembuatan simplisia**

**Lampiran 2. Skema Kerja Ekstraksi**

### **Lampiran 3. Perhitungan Ekstrak Kental**

#### **Rumus Perhitungan Rendemen Ekstrak Umbi Bit (%)**

$$\text{Rendemen (\%)} = \frac{\text{Berat ekstrak kering}}{\text{Berat simplisia kering}} \times 100\%$$

$$\text{Rendemen (\%)} = \frac{28,25}{250} \times 100\%$$

$$\text{Rendemen (\%)} = 11,30\%$$

#### **Rumus Perhitungan Rendemen Ekstrak Buah Naga (%)**

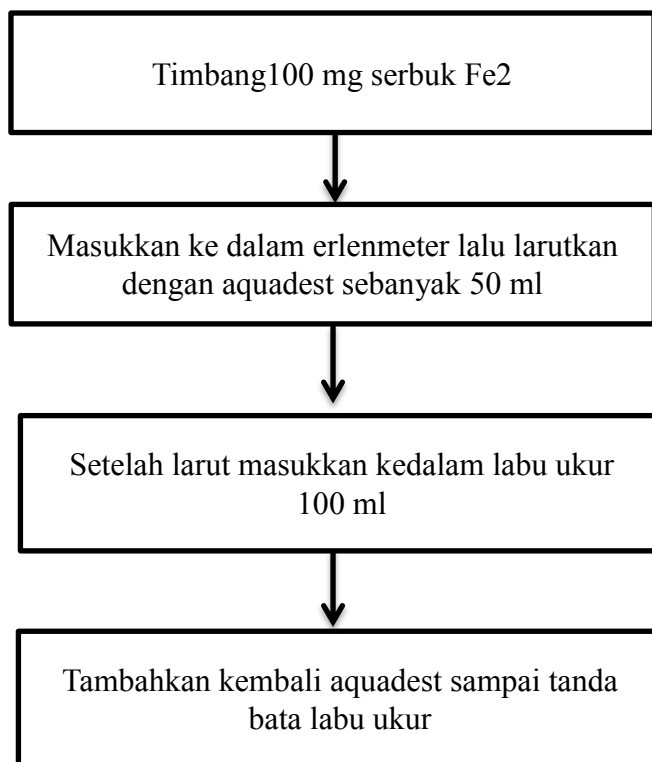
$$\text{Rendemen (\%)} = \frac{\text{Berat ekstrak kering}}{\text{Berat simplisia kering}} \times 100\%$$

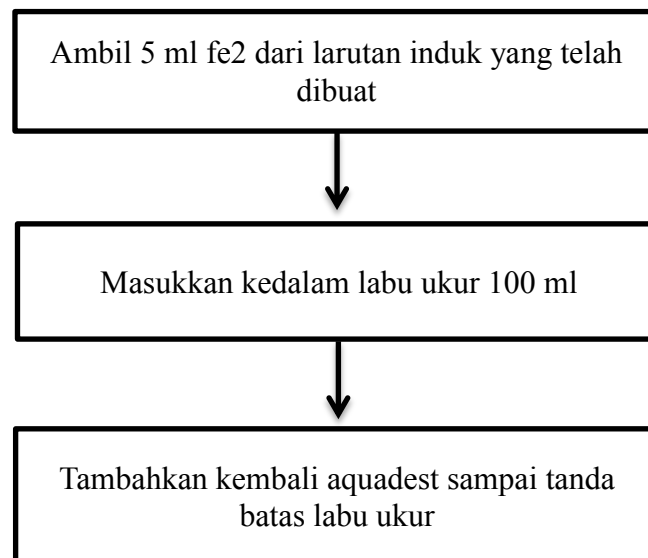
$$\text{Rendemen (\%)} = \frac{27,25}{250} \times 100\%$$

$$\text{Rendemen (\%)} = 10,90\%$$

#### Lampiran 4. Pembuatan Larutan PPM

##### Larutan Induk Fe<sub>2</sub> Konsentrasi 1000 ppm



**Larutan Seri Fe<sub>2</sub> untuk Spektrofotometri UV-Vis**

## Lampiran 5. Perhitungan Larutan Seri

### Rumus Perhitungan Larutan Seri ppm

#### Konsentrasi 5 ppm

$$\text{Larutan seri 5 ppm} = v_1 \times m_1 = v_2 \times m_2$$

$$\text{Larutan seri 5 ppm} = 100 = 100 \times 5 \text{ ppm}$$

$$\text{Larutan seri 5 ppm} = \frac{500}{100} = 5 \text{ ml}$$

#### Konsentrasi 10 ppm

$$\text{Larutan seri 10 ppm} = v_1 \times m_1 = v_2 \times m_2$$

$$\text{Larutan seri 10 ppm} = 100 = 100 \times 10 \text{ ppm}$$

$$\text{Larutan seri 10 ppm} = \frac{1000}{100} = 10 \text{ ml}$$

#### Konsentrasi 15 ppm

$$\text{Larutan seri 15 ppm} = v_1 \times m_1 = v_2 \times m_2$$

$$\text{Larutan seri 15 ppm} = 100 = 100 \times 15 \text{ ppm}$$

$$\text{Larutan seri 15 ppm} = \frac{1500}{100} = 15 \text{ ml}$$

#### Konsentrasi 20 ppm

$$\text{Larutan seri 20 ppm} = v_1 \times m_1 = v_2 \times m_2$$

$$\text{Larutan seri 20 ppm} = 100 = 100 \times 20 \text{ ppm}$$

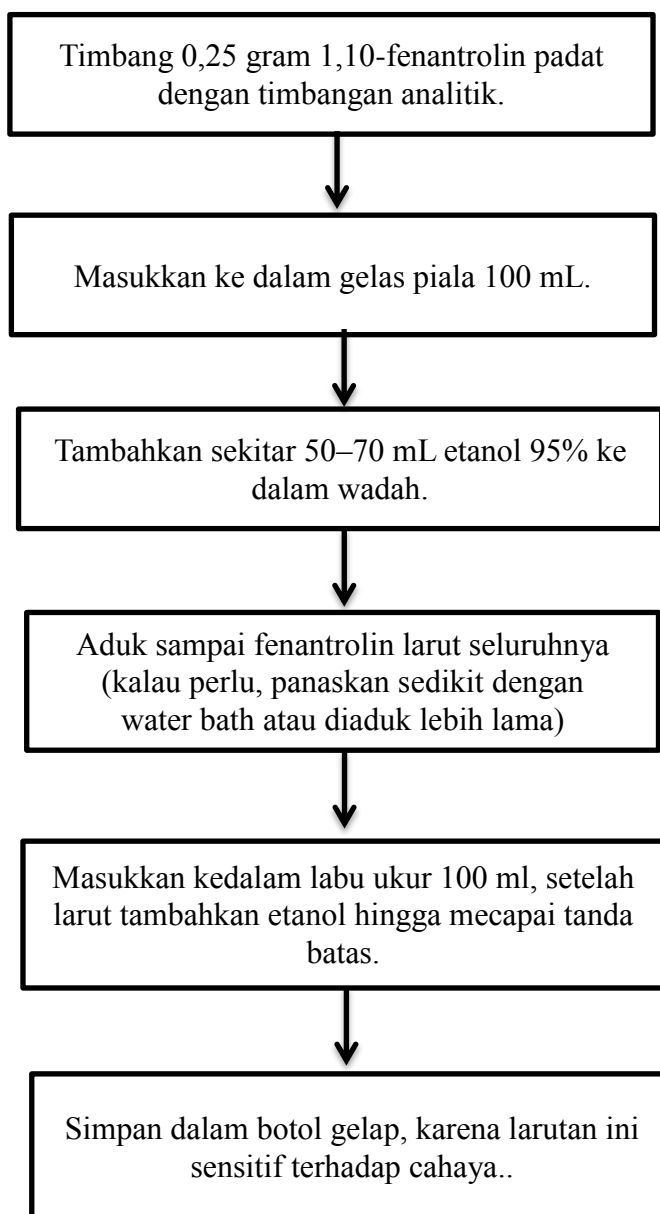
$$\text{Larutan seri 20 ppm} = \frac{2000}{100} = 20 \text{ ml}$$

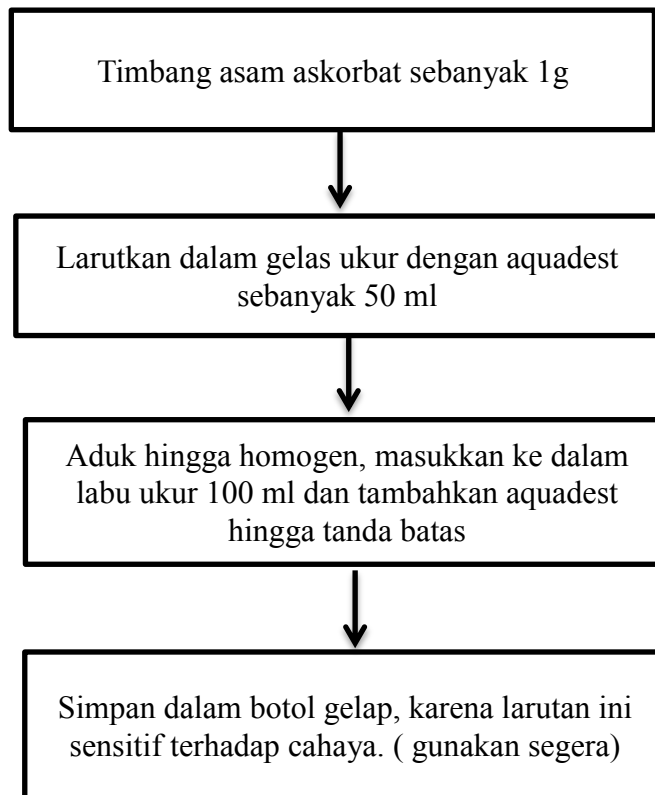
**Konsentrasi 25 ppm**

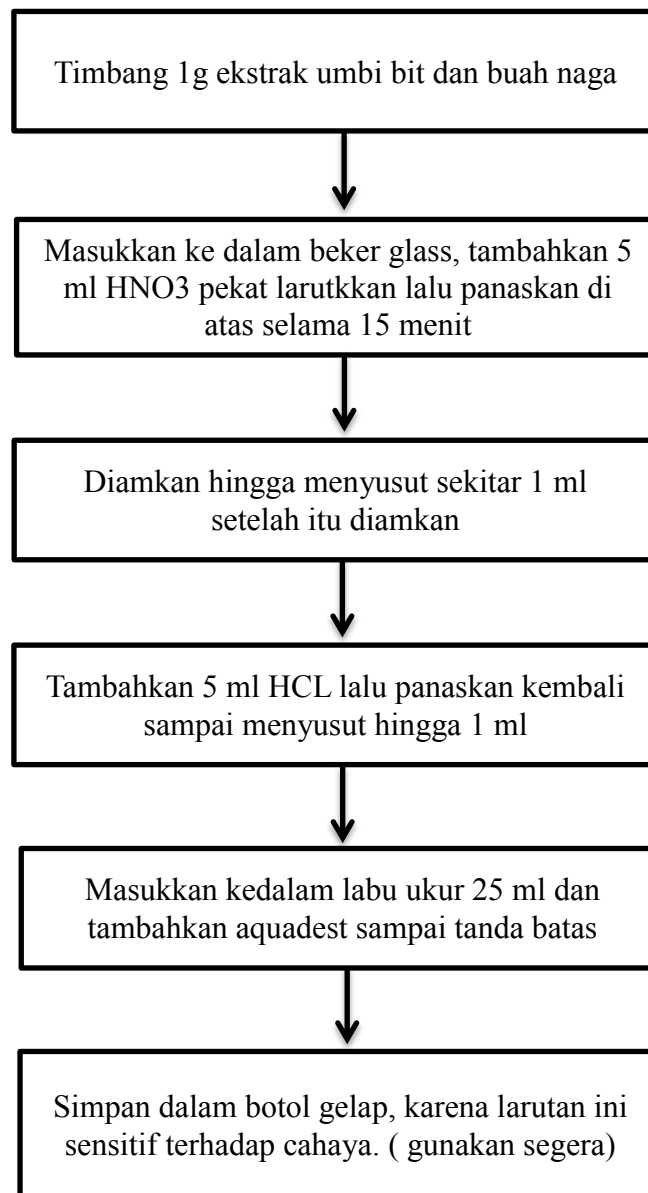
$$\text{Larutan seri 25 ppm} = v_1 \times m_1 = v_2 \times m_2$$

$$\text{Larutan seri 25 ppm} = 100 = 100 \times 25 \text{ ppm}$$

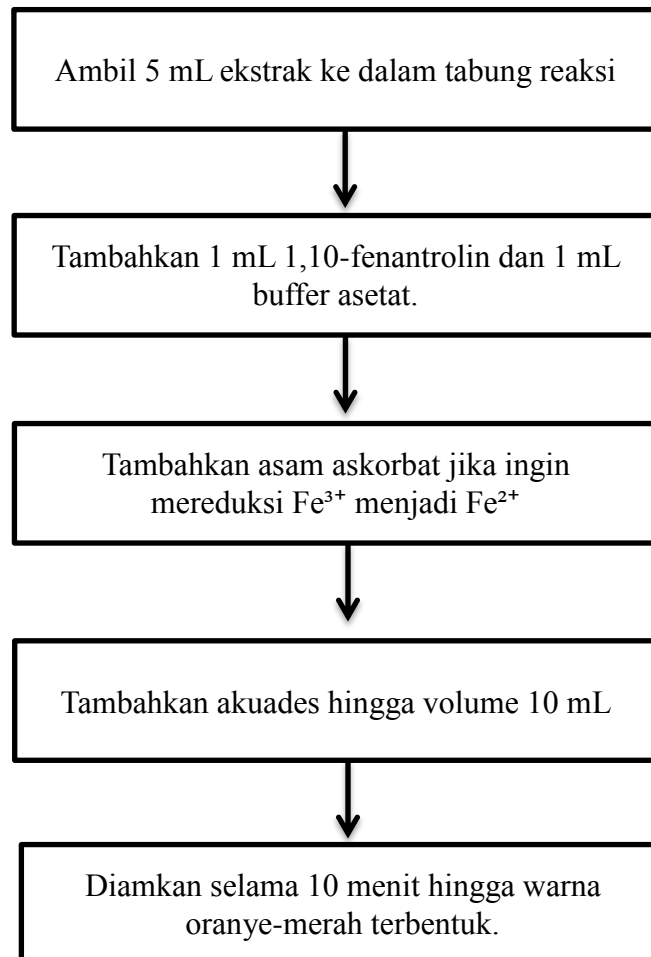
$$\text{Larutan seri 25 ppm} = \frac{2500}{100} = 25 \text{ ml}$$

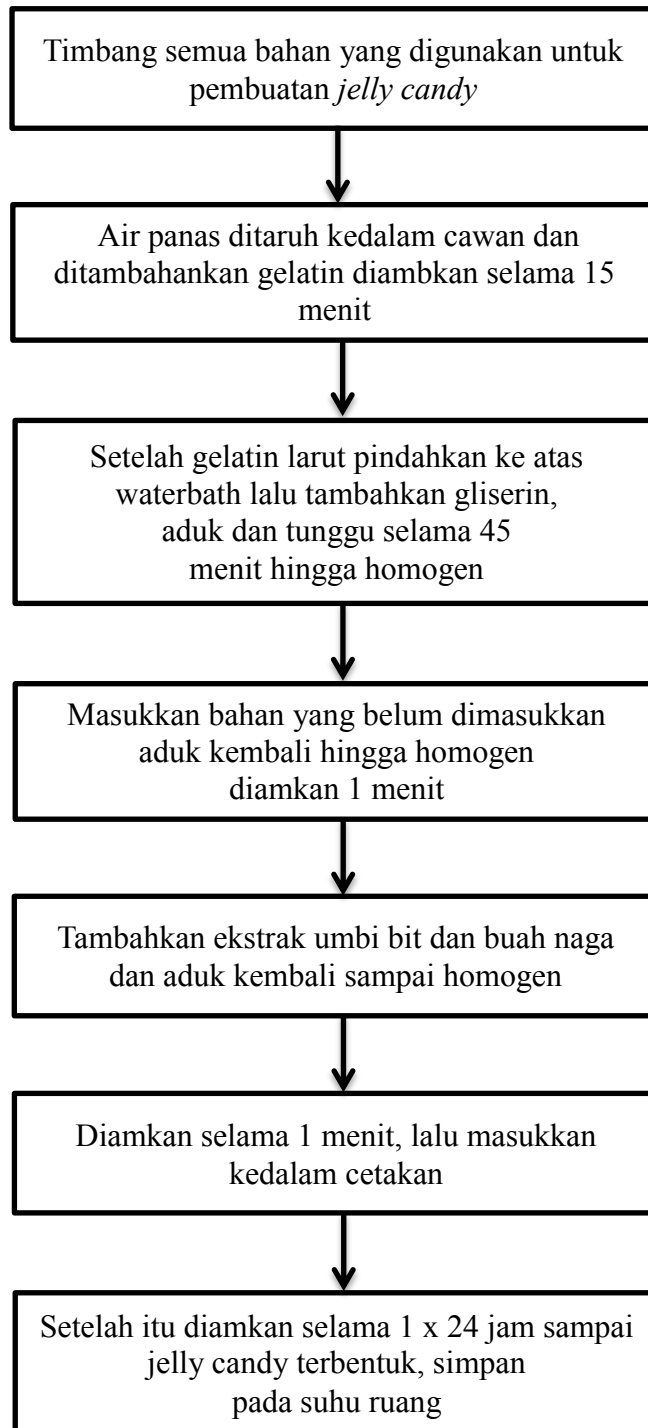
**Lampiran 6. Pembuatan Reagen 1,10-fenantrolin 0,25%**

**Lampiran 7. Pembuatan Asam Askorbat**

**Lampiran 8. Ekstraksi Zat Besi dari Ekstrak Umbi Bit dan Buah Naga**

**Lampiran 9. Pembuatan larutan sampel zat besi dengan ekstrak umbi bit dan buah naga**



**Lampiran 10. Skema Kerja Pembuatan *Jelly Candy***

### Lampiran 11. Surat Hasil Pegecekan *Jelly Candy*



**LABORATORIUM  
KIMIA PENGOLAHAN DAN SENSORIS HASIL PERTANIAN  
JURUSAN TEKNOLOGI PERTANIAN  
FAKULTAS PERTANIAN**

Jl. Palembang – Prabumulih Km. 32 Indralaya (Ol) Telp. (0711) 580664

**LAPORAN ANALISA  
No. 50/LABKHP/2025**

Nama Pemesan : Jessica Wahnyu Pratiwi  
 Tanggal Terima : 20 Mei 2025  
 Tanggal Selesai : 22 Mei 2025  
 Jumlah Sampel : 3  
 Jenis Analisa : Tekstur (Texture Analyzer Brookfield), Warna (Color Reader), Aw (Aw Meter)  
 Jenis Sampel : Jelly Candy

Formulasi 1

No	Kode	Kekerasan (gF)		Warna			Aw
		Peak Load	Final Load	L	a	b	
1	P1	264,8	103,8	61,07	4,62	22,94	0,78
2	P2	264,5	103,4	61,04	4,60	22,90	0,79
3	P3	264,2	103,1	60,09	4,58	22,87	0,79

Palembang, 22 Mei 2025

Koordinator Teknis Laboratorium,



Hafsah, ST.,M.T

NIP. 198006202001122001



**LABORATORIUM  
KIMIA PENGOLAHAN DAN SENSORIS HASIL PERTANIAN  
JURUSAN TEKNOLOGI PERTANIAN  
FAKULTAS PERTANIAN**

Jl. Palembang – Prabumulih Km. 32 Indralaya (Ol) Telp. (0711) 580664

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No. 50/LABKHP/2025**

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 Jumlah Sampel : 3  
 Jenis Analisa : Tekstur (Texture Analyzer Brookfield), Warna (Color Reader), Aw (Aw Meter)  
 Jenis Sampel : Jelly Candy

Formulasi 2

No	Kode	Kekerasan (gF)		Warna			Aw
		Peak Load	Final Load	L	a	b	
1	P1	548,0	238,6	60,83	5.67	22,66	0,79
2	P2	548,2	238,3	60,79	5.64	22,62	0,78
3	P3	548,5	238,7	60,75	5.60	22,58	0,78

Palembang, 22 Mei 2025  
 Koordinator Teknis Laboratorium,



Hafsah, ST.,M.T  
 NIP. 198006202001122001



**LABORATORIUM  
KIMIA PENGOLAHAN DAN SENSORIS HASIL PERTANIAN  
JURUSAN TEKNOLOGI PERTANIAN  
FAKULTAS PERTANIAN**

Jl. Palembang – Prabumulih Km. 32 Indralaya (Ol) Telp. (0711) 580664

**LAPORAN ANALISA  
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Nama Pemesan : Jessica Wahyu Pratiwi  
 Tanggal Terima : 20 Mei 2025  
 Tanggal Selesai : 22 Mei 2025  
 Jumlah Sampel : 3  
 Jenis Analisa : Tekstur (Texture Analyzer Brookfield), Warna (Color Reader), Aw (Aw Meter)  
 Jenis Sampel : Jelly Candy

Formulasi 3

No	Kode	Kekerasan (gF)		Warna			Aw
		Peak Load	Final Load	L	a	b	
1	P1	350,8	131,8	61,07	3,30	21,54	0,79
2	P2	350,6	131,5	61,03	3,32	21,50	0,80
3	P3	350,1	131,3	60,97	3,29	21,48	0,80

Palembang, 22 Mei 2025

Koordinator Teknis Laboratorium,



Hafsah, ST.,M.T

NIP. 198006202001122001



## Global Capsules Limited

Office: 37, Sepon Bagicha, Dhaka-1000  
Factory: Rajshahi, Rajshahi

Product Name : Gelatin 150 Bloom			Type : B
Batch No : GLA004	Quantity : 12000 KG	Mfg. Date : 22 - NOV - 2024	Exp. Date : 22 - OCT - 2029
Mesh Size : 30	Release Date : 24 - NOV - 2024		

Test Items	Specification	Units	Reference	Results
<b>Character</b>				
1.0	Appearance	Light yellowish and translucent in the form of sheets, flakes, and strands or coarse - fine powder	BP	Comply
2.0	Solubility	Insoluble in cold water but soluble in hot water	BP	Comply
3.0	Identification	Must comply with the Identification test of Gelatin	BP	Comply
<b>Performance</b>				
4.0	pH	2.0 - 7.6 on 1% solution with carbon dioxide free water at 55°C	BP	5.96
5.0	Conductivity	Maximum 1 mS.cm <sup>-1</sup> on 1% solution of carbon dioxide free water at 30 ± 1.0°C	BP	0.103
6.0	Bloom Strength of 6.67%w/w solution at 10 ± 0.1 °C	150 ± 5	BP	153
7.0	Viscosity of 6.67%w/w solution at 60 ± 0.2 °C	4.0 - 5.0	MFC	4.50
8.0	Transmittance of 1% w/w solution at 510 nm	Not less than 90.0	MFC	91.82
9.0	Loss on drying	Not more than 15.0	BP	11.20
<b>Safety</b>				
10.0	Sulfur dioxide Content	Not more than 50	BP	9.30
11.0	Peroxides	Not more than 10	BP	Nil
12.0	Iron	Not more than 30	BP	Less than 30
13.0	Chromium	Not more than 10	BP	Less than 10
14.0	Zinc	Not more than 30	BP	Less than 30
<b>Microbial Limits</b>				
15.0	Total Aerobic Microbial Count	Not more than 1000	BP	100
16.0	Total Yeast and Mold Count	Not more than 100	BP	20
17.0	Escherichia coli	Absent	BP	Absent
18.0	Salmonella spp.	Absent	BP	Absent

**Storage Conditions:** Recommend temperature between 12°C to 20°C and relative humidity is between 45% to 65%.



# Certificate of Analysis

1.03965.1000 Iron(II) sulfate heptahydrate for analysis EMSURE® ACS,ISO,Reag. Ph Eur  
Batch A2032365

	Spec. Values		Batch Values	
Assay (manganometric)	99.5 - 102.0	%	100.2	%
Identity	passes test		passes test	
Appearance of solution	passes test		passes test	
Insoluble matter	≤ 0.01	%	≤ 0.01	%
pH-value (5 %; water)	3.0 - 4.0		3.4	
Chloride (Cl)	≤ 0.0005	%	≤ 0.0005	%
Phosphate (PO <sub>4</sub> )	≤ 0.001	%	≤ 0.001	%
Total nitrogen (N)	≤ 0.001	%	≤ 0.001	%
Heavy metals as Pb	≤ 0.005	%	≤ 0.005	%
As (Arsenic)	≤ 0.0002	%	≤ 0.0002	%
Ca (Calcium)	≤ 0.005	%	≤ 0.005	%
Cr (Chromium)	≤ 0.0050	%	≤ 0.0050	%
Co (Cobalt)	≤ 0.0025	%	≤ 0.0025	%
Cu (Copper)	≤ 0.001	%	≤ 0.001	%
Fe III (Iron III)	≤ 0.02	%	≤ 0.02	%
K (Potassium)	≤ 0.002	%	≤ 0.002	%
Mg (Magnesium)	≤ 0.002	%	≤ 0.002	%
Mn (Manganese)	≤ 0.05	%	≤ 0.05	%
Na (Sodium)	≤ 0.02	%	≤ 0.02	%
Ni (Nickel)	≤ 0.0050	%	≤ 0.0050	%
Pb (Lead)	≤ 0.0005	%	≤ 0.0005	%
Zn (Zinc)	≤ 0.0050	%	≤ 0.0050	%
Substance not precipitated by ammonium hydroxide	≤ 0.1	%	≤ 0.1	%

Corresponds to ACS,ISO,Reag. Ph Eur

Date of release (DD.MM.YYYY) 09.02.2024  
Minimum shelf life (DD.MM.YYYY) 15.02.2027

Kristin Haufschildt  
Responsible laboratory manager quality control

This document has been produced electronically and is valid without a signature.

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 1

BALGA Version 1370280/900001081085/ Date: 09.02.2024

## IV. Result / Hasil Uji

No	Parameter	Unit	Simplo	Duplo	Limit Of Detection	Method
1	Seng (Zn)	mg / 100 g	0.32	0.32	-	18-13-1/MU (ICP-OES)
2	Besi (Fe)	mg / 100 g	0.55	0.56	-	18-13-1/MU (ICP-OES)
3	Kalsium (Ca)	mg / 100 g	8.25	8.25	-	18-13-1/MU (ICP-OES)
4	Kadar Abu	%	0.47	0.46	-	SNI 01-2891-1992 butir 6.1
5	Energi Dari Lemak	Kcal/100 g	1.89	1.80	-	18-8-9/MU/SMM-SIG (perhitungan)
6	Kadar Lemak Total	%	0.21	0.20	-	18-8-5/MU (Gravimetri)
7	Kadar Air	%	56.70	56.50	-	SNI 01-2891-1992 butir 5.1
8	Energi Total	Kcal/100 g	172.37	173.16	-	18-8-9/MU/SMM-SIG (perhitungan)
9	Karbohidrat (By Difference)	%	29.86	29.86	-	18-8-9/MU (perhitungan)
10	Kadar Protein	%	12.76	12.98	-	18-8-31/MU (Titrimetri)
11	pH	-	5.00	5.00	-	SNI 01-2891-1992 butir 16

Bogor, 08 Juli 2025  
PT. Saraswanti Indo Genetech



Dwi Yulianto Laksono, S.Si  
General Laboratory Manager



scan for original

SIG Laboratory (1st Location)  
Graha SIG Jl. Rasamala No. 20 Taman  
Yasmin Bogor 16113  
Phone: +62 251 7532 348

SIG Laboratory (3rd Location)  
Jl. Raya Cifor RT 03 RW 08  
Bubulak Bogor 16115,  
Phone : +62 251 8471696

SIG Laboratory (2nd Location)  
Jl. Semeru B Ruko No.21  
Menteng Bogor 16111,  
Phone : +62 251 8570078

SIG Laboratory (4th Location)  
Jl. Kanfer Raya Blok R No. 4 Pedalangan, Kec.  
Banyumanik, Semarang, Jawa Tengah 50268,  
Phone : +62 24 70040541

Result Of Analysis | Page 2 of 2

The results of these tests relate only to the sample(s) submitted.  
This report shall not be reproduced except in full context,  
without the written approval of PT. Saraswanti Indo Genetech

## Lampiran 12. Kuesioner Kesukaan Responden

### Tingkat Kesukaan Konsumen Terhadap Jelly Candy

<b>Warna</b>	Formula 1	1	2	3	4	5
	Formula 2	1	2	3	4	5
	Formula 3	1	2	3	4	5
<b>Rasa</b>	Formula 1	1	2	3	4	5
	Formula 2	1	2	3	4	5
	Formula 3	1	2	3	4	5
<b>Aroma</b>	Formula 1	1	2	3	4	5
	Formula 2	1	2	3	4	5
	Formula 3	1	2	3	4	5
<b>Tekstur</b>	Formula 1	1	2	3	4	5
	Formula 2	1	2	3	4	5
	Formula 3	1	2	3	4	5

**Keterangan :**

- 1 (Tidak Suka)
- 2 (Kurang Suka)
- 3 (Suka)
- 4 (Cukup Suka)
- 5 (Sangat Suka)

**Lampiran 13. Pengolahan Data Hasil Responden**

Responden	Warna			Aroma			Tekstur			Rasa		
	F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3
R1	3	5	5	4	4	4	3	5	4	4	5	4
R2	3	5	4	4	4	4	3	5	4	4	3	3
R3	3	4	4	4	4	4	3	5	4	4	4	4
R4	4	5	3	4	4	4	2	5	4	4	5	4
R5	4	4	3	4	4	4	4	5	4	4	4	4
R6	4	4	3	4	4	4	3	5	4	3	5	4
R7	4	5	3	4	4	4	4	5	3	4	3	3
R8	4	3	4	4	4	4	4	5	3	3	4	3
R9	4	5	5	4	4	4	3	5	3	3	5	4
R10	4	5	5	4	4	4	4	5	3	4	5	4
R11	4	5	4	3	5	3	5	5	3	4	3	4
R12	4	5	3	4	4	4	4	4	4	5	5	4
R13	4	4	3	4	4	4	3	4	4	4	3	4
R14	4	4	4	4	4	4	4	4	4	4	4	4
R15	5	4	5	3	3	3	4	4	4	4	5	4
R16	4	3	5	3	5	3	3	4	4	4	5	4
R17	4	4	5	4	5	3	4	5	5	4	4	3
R18	3	5	4	3	5	3	3	4	4	4	5	4
R19	4	5	4	4	4	4	4	3	4	4	3	4
R20	4	5	4	4	5	5	4	4	4	4	4	4
R21	4	5	4	4	4	4	5	3	3	3	5	4
R22	4	4	4	4	5	4	4	5	3	4	5	4
R23	4	4	4	4	5	4	5	4	4	4	4	4
R24	5	3	4	4	4	4	4	4	3	4	3	4
R25	4	4	4	5	5	5	4	4	4	4	5	4
R26	4	5	4	5	5	5	4	3	4	4	3	3
R27	5	5	3	4	5	5	4	5	4	4	5	4
R28	4	5	4	5	4	4	3	3	4	4	5	3
R29	4	4	4	5	4	4	4	4	4	4	4	4
R30	4	5	4	4	4	3	4	3	4	3	5	2
R31	5	4	4	4	5	4	5	3	4	5	5	3
R32	4	5	3	4	4	4	4	4	4	4	4	2
R33	4	5	3	4	5	4	4	4	4	3	5	3
R34	3	5	5	4	4	5	4	3	4	4	5	2
R35	4	5	5	4	4	3	4	4	4	4	4	4
R36	5	5	4	4	5	5	4	3	4	4	5	4
R37	4	4	4	4	4	4	4	4	5	5	5	4
R38	4	4	3	4	5	4	4	3	4	5	4	4
R39	4	5	5	4	5	4	4	4	5	4	5	4
R40	4	4	5	4	4	5	3	5	4	4	5	4
rata-rata	4	4.48	4	4	4.35	4	3.8	4.15	3.88	3.95	4.38	4
SD	0.274241378			0.202072594			0.18427787			0.232289331		

## Lampiran 14. Hasil Tabel Anova

### Normalitas kekerasan peak load

#### Tests of Normality

Formu la	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Kekerasan 1	.175	3	.	1.000	3	1.000
2	.276	3	.	.942	3	.537
3	.219	3	.	.987	3	.780

a. Lilliefors Significance Correction

### Homogenitas Kekerasan peak load

Test of Homogeneity of Variances			
Kekerasan			
Levene Statistic	df1	df2	Sig.
.278	2	6	.766

### Anova Peak Load

ANOVA					
Kekerasan					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	126999.076	2	63499.538	6.723E 5	.000
Within Groups	.567	6	.094		
Total	126999.642	8			

### Normalitas Kekerasan Final Load

Tests of Normality							
	Formula	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Kekerasan	1	.204	3	.	.993	3	.843
	2	.219	3	.	.987	3	.780
	3	.292	3	.	.923	3	.463
a. Lilliefors Significance Correction							

### Homogenitas Kekerasan Final Load

Test of Homogeneity of Variances			
Kekerasan			
Levene Statistic	df1	df2	Sig.
.340	2	6	.725

### ANOVA Kekerasan Final Load

ANOVA					
Kekerasan					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	30490.620	2	15245.310	1.989E5	.000
Within Groups	.460	6	.077		
Total	30491.080	8			

### Normalitas Warna L

Tests of Normality							
	For mula	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Warn a	1	.376	3	.	.773	3	.051
	2	.175	3	.	1.000	3	1.000
	3	.219	3	.	.987	3	.780
a. Lilliefors Significance Correction							

### Homogenitas

Test of Homogeneity of Variances			
Warna			
Levene Statistic	df1	df2	Sig.
13.233	2	6	.006

### ANOVA

ANOVA					
Warna					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.142	2	.071	.676	.544
Within Groups	.630	6	.105		
Total	.771	8			

### One Sample

<b>One-Sample Kolmogorov-Smirnov Test</b>		
		Warna
N		9
Normal Parameters <sup>a</sup>	Mean	60.8489
	Std. Deviation	.31050
Most Extreme Differences	Absolute	.264
	Positive	.238
	Negative	-.264
Kolmogorov-Smirnov Z		.792
Asymp. Sig. (2-tailed)		.557
a. Test distribution is Normal.		

**Normalitas Warna a**

Tests of Normality							
	For mula	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Warn a	1	.175	3	.	1.000	3	1.000
	2	.204	3	.	.993	3	.843
	3	.253	3	.	.964	3	.637
a. Lilliefors Significance Correction							

**Homogenitas Warna a**

Test of Homogeneity of Variances			
Warna			
Levene Statistic	df1	df2	Sig.
.886	2	6	.460

**ANOVA Warna a**

ANOVA					
Warna					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8.200	2	4.100	6.590E 3	.000
Within Groups	.004	6	.001		
Total	8.204	8			

**Normalitas Warna b**

<b>Tests of Normality</b>							
	For mula	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Warn a	1	.376	3	.	.773	3	.051
	2	.175	3	.	1.000	3	1.000
	3	.219	3	.	.987	3	.780
a. Lilliefors Significance Correction							


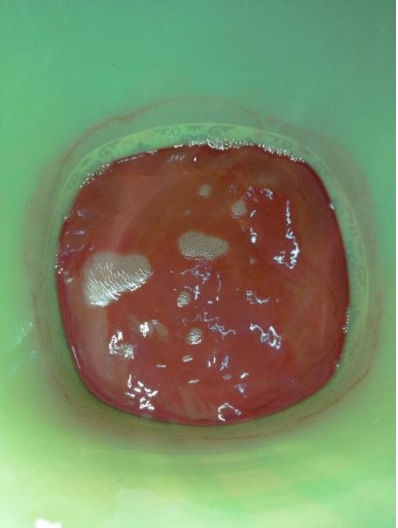


**Homogenitas Warna b**





<b>Test of Homogeneity of Variances</b>			
Warna			
Levene Statistic	df1	df2	Sig.
13.233	2	6	.006





**ANOVA Warna b**

<b>ANOVA</b>					
Warna					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.142	2	.071	.676	.544
Within Groups	.630	6	.105		
Total	.771	8			

**Lampiran 15. Dokumentasi**

	
<p><b>Maserasi Buah Naga Selama 1x24 Jam</b></p>	<p><b>Maserasi Umbi Bit Selama 1x24 Jam</b></p>
	
<p><b>Proses Rotary Buah Naga</b></p>	<p><b>Proses Rotary Umbi Bit</b></p>

	
<b>Ekstrak Kental Buah Naga</b>	<b>Ekstrak Kental Umbi Bit</b>
	
<b>Hasil Pembuatan Asam Askorbat dan Phenomenalin</b>	<b>Hasil Pengenceran Sample Umbi Bit dan Buah Naga</b>

	
<p><b>Proses Pembuatan <i>Jelly Candy</i></b></p>	<p><b>Formula I <i>Jelly Candy</i></b></p>
	
<p><b>Formula II <i>Jelly Candy</i></b></p>	<p><b>Formula III <i>Jelly Candy</i></b></p>