

LAMPIRAN

Lampiran 1. Visualisasi Bentuk Ekstrak



Penimbangan Simplisia



Maserasi



Penyaringan Ekstrak Maserasi



Rotary evaporator



Ekstrak Kental



Kadar Air



Kadar Abu

Lampiran 2. Visual Formulasi

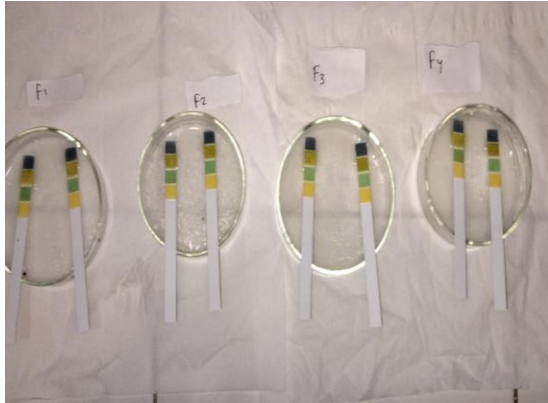


Formulasi krim



Keempat Formulasi sediann krim

Lampiran 3. Evaluasi Sediaan



Uji pH



Uji Daya Sebar



Uji Daya Lekat



Skrinning Fitokimia

Lampiran 4. Visual Viskositas



Uji Visikositas F1



Uji Visikositas F2



Uji Visikositas F3



Uji Visikositas F4

Lampiran 5. Visualisasi Aktivitas Anti-bakteri



Clindamysin gel 1%



Uji Aktifitas Anti-Bakteri



Pensterilan Alat Uji dengan Autoklaf

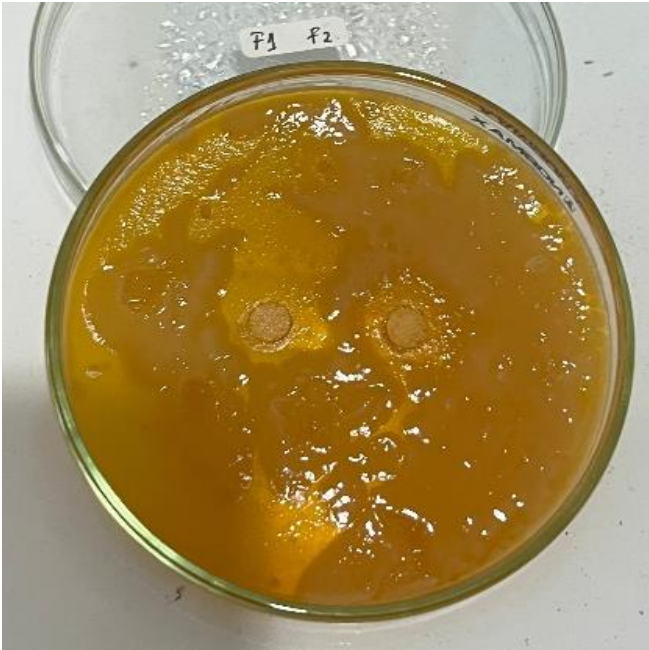
Lampiran 6. Zona hambat antibakteri



Zona Hambat Kontrol (+) (-)



Zona Hambat F2 dan F4



Zona Hambat F1 dan F2

Lampiran 7. Persentase Bobot Rendemen Ekstrak Kental Daun

Bobot Simplisia (g)	Bobot Ekstrak (g)
400	34.1309

$$\text{Persentase bobot rendemen} = \frac{\text{bobot ekstrak (g)}}{\text{bobot simplisia (g)}} \times 100$$

$$\text{Persentase bobot rendemen} = \frac{34.1309}{400} \times 100\%$$

$$\text{Persentase bobot rendemen} = 11,72\%$$

Lampiran 8. Sertifikasi Simplisia Temu Mangga



Kemenkes
RS Sardjito

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🌐 <http://www.sardjito.co.id>

Kepada
Patma Junita
Prodi S1 Farmasi, Fakultas Kesehatan & Teknologi, Universitas Aisyiyah Palembang
Jalan Kol. H. Burlian No. 32 A, Karya Baru, Kec. Alang-Alang Lebar, Kota Palembang, Sumatera Selatan 30962

LAPORAN HASIL UJI

Nomor : TL.02.04/D.XI.6/12452.484/2025
Nomor permohonan : PE/V/2025/52
Tanggal terbit : 28 Mei 2025
Halaman : 1 dari 2

IDENTITAS SAMPEL

Nama sampel : Temu Mangga
Merek : -
Bentuk sampel : Tanaman Utuh Segar
Keterangan sampel : -

Tanggal Penerimaan : 22 Mei 2025

Tanggal Pelaksanaan : 23 Mei 2025

Jenis Pengujian : Fisika/Kimia/Mikrobiologi

Hasil Pengujian : Terlampir

HASIL PENGUJIAN

Nomor : TL.02.04/D.XI.6/12452.484/2025
Nomor pengujian : PE/V/2025/52
Halaman : 2 dari 2

Parameter	Satuan	Hasil	Metode Uji / Teknik
<i>Determinasi Tanaman</i>			Organoleptik
Famili	-	Zingiberaceae	
Spesies	-	<i>Curcuma mangga</i> Valetton & Zijp	
Sinonim	-	-	

Kepala Instalasi Penunjang,
Penelitian, dan Penyediaan Produk,



Santoso, S.Farm.
NIP. 198204092006041003

Lampiran 9. Asam stearat



HASIL PEMERIKSAAN

Nama Bahan : Acid Stearic Lokal
 Batch : JT 0024/18 (B 180104-22 W)
 Ex : Wilfarin (PT. Wilmar Nabati Indonesia)
 ED : 04-2025
 Grade : Teknis

Jenis pemeriksaan	Persyaratan usp nf 19	Hasil
Pemerian	Zat padat mengkilat menunjukkan susunan hablur, putih atau kuning pucat, mirip lemak lilin	granul bulat, putih mengkilap
Kelarutan	Praktis tidak larut dalam air, larut dalam kloroform, larut dalam ethanol 95% dan dalam eter	sesuai
Bilangan asam	194-212 ml KOH/gr	204.22 mg KOH/gr
Bilangan sabun	200-220 ml KOH/gr	207.96 mg KOH/gr

Kesimpulan : Memenuhi syarat

Cikarang, 10 – 02 – 2018

Pemeriksa

Aptria Wariski
Staff QC

Penanggung Jawab



Dra. Tri Hartati
Apoteker
SIK.3836/B

HEAD OFFICE : Jl. Cideng Barat No. 78, Jakarta Pusat 10150, Telp. (021) 3522738 (hunting) Fax. : (021) 3522734, E-mail : btoak@brataco.com
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 • BANGKALAN : Jl. Boulevard Raya Blok TB2 No. 5, Jakarta 14240 Telp. (021) 45840692-94 Fax. (021) 4532615
 • BANDUNG : Jl. Kalersteng No. 8, Bandung Telp. (022) 6077129, 6030608 Fax. (022) 6031976
 • SEMARANG : Jl. Terusan Jakarta No. 77G, Bandung Telp. (022) 7101277, 7210306-309 Fax. (022) 7210310
 • YOGYA : Jl. Brigjen. Kolesmo No. 19 Telp. (029) 8415272, 8415999 Fax. (029) 8414860
 • SURABAYA : Jl. Bhyangkara No. 45, Yogya Telp. (0274) 543249, 515390 Fax. (0274) 543349
 • MEDAN : Jl. Tidar No. 89, Surabaya Telp. (031) 5322887, 5329057 Fax. (031) 5310465
 • TANGERANG : Jl. Iskandar Muda no. 40 B, Medan Telp. (061) 4148272, 4523159 Fax. (061) 4525996
 SUB BRANCH OFFICE : TANGERANG, BOGOR, CIKARANG, CIREBON, TASIKMALAYA, SOLO, PURWOKERTO, TEGAL, MALANG, SIDOARJO, DENPASAR, PALEMBANG, MAKASSAR
 The Nationwide Chemicals and Ingredients Distributor

TESTED BY : HITESH KUNJATHUR

ANALYSED BY : PRITI DURI

CHECKED BY : PRITI DURI

For ALPHA CHEMIKA

Auth. Signatory

Signed By : _____
(QC Head)

Lampiran 10. Tween-80




**CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY**

Product Name: Tween-80	
Product Code: CH077	Expiry Date : 31/03/2027
Lot Number: G18-19/Jul/30	Release Date: 25/07/2018
Analytical Report Number: QAD/AR-18/07-682	Page No : Page 1 of 1

TESTS CONDUCTED	SPECIFICATIONS	OBSERVATIONS	REMARKS
CAS No.	9005-65-6	9005-65-6	Complies
Chemical Name	Polyoxyethylene sorbitan monooleate; Polysorbate-80; Tween80	Polyoxyethylene sorbitan monooleate; Polysorbate-80; Tween80	Complies
Appearance	Yellow to amber colored viscous, oily liquid	Yellow to amber colored viscous, oily liquid	Complies
Solubility	1 ml miscible in 1 ml of water	1 ml miscible in 1 ml of water	Complies
Hydroxyl value	65 - 80	75	Complies
Saponification value	45 - 55	45	Complies
Acid value	<=2.0	<=1.70	Complies
Water (K.F.)	<=3.0%	<=2.78%	Complies

Final Results: COMPLIES

This is to certify that this lot passes and it conforms to the above mentioned tests and specifications.

		
TESTED BY (Pooja Sutar) MICROBIOLOGIST	CHECKED BY (Madhavi Sawant) HEAD MICROBIOLOGY	APPROVED BY (Rupali Sabale) HEAD QUALITY ASSURANCE

End Of The Report

CH077COAQAD/FR/031,Rev.00/01.01.2018

Micromaster laboratories Pvt.Ltd
 Manufacturer and Exporter
 Unit No.38/39, Kalpataru Industrial Estate .Near Runwal Estate, Behind R Mall,
 Ghodbunder Road, Thane (W)-400607, Maharashtra, India
 Tel:- +91-22-2589 5505sales@micromasterlab.com

Lampiran 11. Span-80

南通丰源化工有限公司

Nantong FengYuan Chemical Co., Ltd.

产 品 检 验 报 告

Certificate Of Analysis

编号 QR/SH8.2.4-03

产品名称 Name	乳化剂 Emulsifier	规格型号 Type	Span-80	
生产批号 Batch Number	17030156	生产日期 Production Date	17.02.19	
数量(吨) Quantity(Tons)		报告日期 Report Date	17.02.21	
执行标准 Standard	HG/T3509-2000			
检测项目 Test items	检测标准 Test Standard	检测结果 Test result		
外观 Appearance	琥珀色至棕粘稠油状物 Amber viscous grease	黄色粘稠油状物 Amber viscous grease		
色度 Color	≤6# (Gardner)	5#		
酸值 mgKOH/g Acid value	≤8.0	6.15		
皂化值 mgKOH/g	140-160	43.51		
羟值 mgKOH/g Hydroxyl value	190-220	88.71		
水份 Water	≤1.5%	0.52%		
以下空白 Below Blank				
判定 Result	 Qualified			
检验	顾小青	复核	许军民	鉴定 周长金

Lampiran 12. Cetyl Alcohol

AKÖMA™

FROM THE HEART

CERTIFICATE OF ANALYSIS CETYL ALCOHOL

DESCRIPTION

Product: Cetyl Alcohol 98%
 INCI Name: Cetyl Alcohol
 CAS No: 36653-82-4
 EINECS No: --

CHARACTERISTICS

Test	Analysis	Specification
Appearance	Complies	Waxy flakes
Solubility & Clarity (Molten)	Complies	Complies
Colour, (APHA)	5	20 maximum
Acid Value (mg KOH/g)	<0.01	1.0 maximum
Saponification Value (mg KOH/g)	0.20	2.0 maximum
Iodine Value, gI-/100g	<0.04	2.0 maximum
Hydroxyl Value (mg KOH/g)	233.0	218 - 238
Moisture Content, %	0.118	0.3 maximum
Solidification Point, °C	49.0	46.0 - 52.0 maximum
Chain Length Distribution (%)		
C14	0.09	3.0 maximum
C16	99.00	95.0 maximum
C18	0.050	3.0 maximum

This product has been tested and passes EP monograph for Cetyl Alcohol

We confirm that the above is a true copy of the original manufacturer's/supplier's COA.

We believe the information herein to be reliable. However, no warranty, express or implied, is made as to its accuracy or completeness, and none is made as to the fitness of this material for any purpose.

Akoma International (UK) Ltd shall not be liable for damages to person or property resulting from its use.

Page 1 of 1

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Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zcndesk.com

Cetyl Alcohol - COA

Lampiran 13. Propylene Glycol

**HASIL PEMERIKSAAN**

Nama Bahan : Propylene Glycol
 No Batch : J 0041/18 (C815HBK22T)
 Ex : Dow Chemical Pacific, Singapore
 E.D. : 11/2025
 Grade : Farma

Jenis Pemeriksaan	Persyaratan USP NF 19	Hasil
Pemerian	Cairan kental jernih, tidak berwarna, tidak berbau, rasa agak manis, hygrokopik	Sesuai
Kelarutan	Dapat bercampur dgn air, dengan etanol dan dengan kloroform	Sesuai
Keasam-basaan	≤ 0,3 ml NaOH 0.1N	0,2 ml NaOH 0,1 N
Index Bias	1,431 - 1,433	1,433
Bobot per-ml	1,035 g - 1,037 g/ml	1,0364 g/ml
pH	±6,5	7.476

Kesimpulan : Memenuhi Syarat

Cikarang, 22 – 01 – 2022

Pemeriksa

Aptria Wariski
Staff QC


Penanggung Jawab

Dra. Tri Hartati
Apoteker
STRA : 19560421/STRA-ITB/1984/20192

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The Nationwide Chemicals and Ingredients Distributor

Lampiran 15. Surat Izin Laboratorium

	SURAT	No Dokumen	Form-A1
	PERMOHONAN IZIN PENELITIAN PROGRAM STUDI S-1 FARMASI UNIVERSITAS AISYIYAH PALEMBANG	Berlaku Sejak	
		Revisi	000

Hal : Permohonan Izin Penelitian

1	Skripsi
2	PKM/LKTI
3	Penelitian Dosen
4	Luar

Kepada Yth
Kabag Laboratorium Terpadu
Universitas 'Aisyiyah Palembang

Assalamualaikum Wr. Wb.

Sehubungan dengan penelitian kami dalam bidang..... dengan:
Judul Penelitian : formulasi sediaan krim ekstrak etanol temu
managa (Curcuma Managakai) sebagai anti bakteri
Propionibacterium acnes

Nama Pembimbing : 1. Uluk Aika S. Farm., M. Kes.
2. Yudi Arina S. Si., M. Kes.

No	Nama	NIM/NIP/NIK	No. HP
1	Patma Junita	214020103018	082177936630
2			
3			
4			
5			

Bermaksud mengajukan izin penelitian di Laboratorium^{*)}: **Farmasetika Dasar / Teknologi Farmasi / Kimia Farmasi / Biologi Farmasi / Farmakologi / Mikrobiologi / Komputasi Prodi S1 Farmasi Universitas 'Aisyiyah Palembang.**

Penelitian tersebut akan kami laksanakan selama: 2 bulan,
yang dihitung dari : 20 07 20 25 s.d 15 08 20 25

Sebagai bahan pertimbangan, bersama ini dilampirkan lembar pengesahan proposal penelitian. Demikian permohonan kami, atas perhatiannya diucapkan terima kasih.

Palembang, 15 - agustus 2025

Mengetahui,
Dosen Pembimbing
Uluk Aika S. Farm., M. Kes.

Menyetujui,
Kabag Laboratorium Terpadu
Neni Riyanti S. Km. M. Kes.

Pemohon
Patma Junita

Kaprodi S1 Farmasi
Apt. Dinda Indriani M. Farm.

