

LAMPIRAN

Lampiran 1 Bukti Plagiarisme

Skripsi - Widya Nurasih.pdf			
ORIGINALITY REPORT			
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PRIMARY SOURCES			
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Lampiran 2 Lembar Bimbingan

• Tugas Akhir 1

No. Dok. 02.04.00FPM-03AND-SPM

**Fakultas Farmasi
Universitas
Bhakti Kencana**

KARTU BIMBINGAN TUGAS AKHIR I/TUGAS AKHIR II

Pembimbing Utama	Reza Pratama, M.Farm			
Nama Mahasiswa	Widya Nursh			
NPM	201FF03150			
Bidang Ilmu	Farmasetika - Teknologi Farmasi (FTF)			

No	Hari/Tanggal	Waktu	Tempat	Materi	Paraf Dosen
1.	Berita / 08 Okt 2023	15.45 WIB	Zoom Meeting	Pengantar Bimbingan Pertama	
2.	Kamis / 18 Okt 2023	11.30 WIB	Zoom Meeting	Penerapan Tema	
3.	Kamis / 08 Nov 2023	08.00 WIB	Zoom Meeting	Pembahasan Tema Review Artikel Volaport	
4.	Sabtu / 18 Nov 2023	08.00 WIB	Zoom Meeting	Revisi Kertasman 1	
5.	Kamis / 23 Nov 2023	10.00 WIB	R. Prodi FF	Presentasi Laporan Kertasman 1	
6.	Rabu / 06 Des 2023	19.30 WIB	Zoom Meeting	Revisi Bab 2	
7.	Kamis / 14 Des 2023	20-11 WIB	Via Whabapp	Laporan & Revisi RPT Seminar Bab 1	
8.	Selasa / 19 Jan 2024	11.30 WIB	R. Prodi FF	Laporan Draft Program 1	
9.	Rabu / 03 Jan 24	16.00 WIB	R. Prodi FF	Laporan Draft Program 1	
10.	Kamis / 10 Jan 24	15.00 WIB	R. Prodi FF	Pembahasan Program 1	

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

No. Dok. 02.04.00FPM-03AND-SPM

**Fakultas Farmasi
Universitas
Bhakti Kencana**

KARTU BIMBINGAN TUGAS AKHIR I/TUGAS AKHIR II

Pembimbing Utama	apt. Aris Subardiman, M.Si			
Nama Mahasiswa	Widya Nursh			
NPM	201FF03150			
Bidang Ilmu	Farmasetika - Teknologi Farmasi (FTF)			

No	Hari/Tanggal	Waktu	Tempat	Materi	Paraf Dosen
1.	Rabu / 08 Nov 2023	13.30 WIB	Zoom Meeting	Bimbingan Pertama	
2.	Kamis / 23 Nov 2023	15.30 WIB	R. Prodi FF	Presentasi Laporan Kertasman 1	
3.	Rabu / 13 Jan 2024	11.40 WIB	R. Prodi FF	Laporan & Revisi Draft Proposal	
4.	Jumat / 5 Jan 2024	13.30 WIB	R. Prodi FF	Laporan Proposal ke - 2	
5.	Sabtu / 8 Jan 2024	14.58 WIB	Via Whabapp	Laporan draft proposal	
6.	Selasa / 9 Jan 2024	15.47 WIB	Via Whabapp	Follow up laporan proposal	
7.	Rabu / 11 Jan 2024	08.00 WIB	R. Prodi FF	Laporan Proposal	
8.	Kamis / 12 Jan 2024	15.34 WIB	Akademik	Pembahasan Proposal	

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

• Tugas Akhir 2

No. Dok. 02.04.00FPM-03AND-SPM

**Fakultas Farmasi
Universitas
Bhakti Kencana**

KARTU BIMBINGAN TUGAS AKHIR II

Pembimbing Utama	Reza Pratama, M.Farm			
Nama Mahasiswa	Widya Nursh			
NPM	201FF03150			
Bidang Ilmu	Farmasetika - Teknologi Farmasi (FTF)			

No	Hari/Tanggal	Waktu	Tempat	Materi	Paraf Dosen
1.	Kamis / 05/09/24	14.30 WIB	R. Prodi FF	Disinusi Formulasi	
2.	Sabtu / 14/09/24	14.30 WIB	R. Prodi FF	Evaluasi Seminar Proposal	
3.	Kamis / 26/09/24	14.30 WIB	R. Prodi FF	Evaluasi Seminar Efferescent	
4.	Rabu / 05/10/24	10.15 WIB	R. Prodi FF	Revisi Artikel & Formulasi	
5.	Selasa / 09/10/24	8.15 WIB	R. Prodi FF	Revisi Report Formulasi Granul	
6.	Kamis / 13/10/24	20.00 WIB	Via Whabapp	U.S. Evaluasi Revisi Formulasi	
7.	Sabtu / 26/10/24	10.00 WIB	R. Dosen	Laporan Kertasman 1 T.A.2	
8.	Jumat / 15/11/24	14.00 WIB	Lab. G.	Proses Ophansi Formulasi	
9.	Selasa / 21/11/24	09.30 WIB	R. Prodi FF	Proses Effusi Formulasi & Evaluasi	
10.	Selasa / 26/11/24	09.00 WIB	R. Dosen	Disinusi Formulasi & Analisis	
11.	Selasa / 11/12/24	11.50 WIB	R. Dosen	Formulasi 3	
12.	Selasa / 18/12/24	13.00 WIB	Whabapp	Laporan Draft Kerja	
13.	Sabtu / 24/12/24	15.50 WIB	R. Dosen	Laporan Hasil Uji Evaluasi	
14.	Kamis / 04/01/25	09.00 WIB	R. Dosen	Disinusi pengujian stabilitas	
15.	Rabu / 10/1/25	09.00 WIB	R. Dosen	Lap. Hasil Uji Stabilitas	
16.	Selasa / 15/1/25	09.00 WIB	R. Dosen	Lap. Draft & Revisi	
17.	Jumat / 18/1/25	13.30 WIB	R. Dosen	Konfirmasi Kertasman	

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

No. Dok. 02.04.00FPM-03AND-SPM

**Fakultas Farmasi
Universitas
Bhakti Kencana**

KARTU BIMBINGAN TUGAS AKHIR II

Pembimbing Utama	apt. Aris Subardiman, M.Si			
Nama Mahasiswa	Widya Nursh			
NPM	201FF03150			
Bidang Ilmu	Farmasetika - Teknologi Farmasi (FTF)			

No	Hari/Tanggal	Waktu	Tempat	Materi	Paraf Dosen
1.	Selasa / 20/09/24	10.30 WIB	R. Prodi FF	Evaluasi Seminar Proposal & Prosedur Bimbingan	
2.	Kamis / 26/09/24	13.00 WIB	R. Prodi FF	Evaluasi Granul Efferescent	
3.	Rabu / 04/10/24	10.15 WIB	R. Prodi FF	Disinusi prosedur Stering Filterasi	
4.	Selasa / 20/10/24	14.00 WIB	Ruang Dan	Laporan Kertasman 1 T.A.2	
5.	Jumat / 24/10/24	08.00 WIB	Whabapp	Laporan Seminar bab. T.A.2	
6.	Jumat / 31/10/24	13.00 WIB	Whabapp	Laporan Kertasman 2. T.A.2	
7.	Selasa / 11/11/24	14.00 WIB	R. Prodi FF	Prosedur OPHI	
8.	Rabu / 12/11/24	14.00 WIB	R. Dosen CO	Laporan Formulasi & Evaluasi	
9.	Jumat / 20/11/24	16.30 WIB	R. Dosen	Laporan KLT (Kertasman)	

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

Lampiran 3 Hasil Determinasi Kulit Delima Merah (*Punica granatum L.*)

HERBARIUM JATINANGORIENSIS
LABORATORIUM BIOSISTEMATIKA DAN MOLEKULER
DEPARTEMEN BIOLOGI, FMIPA UNPAD
 Gedung D2-212, Jl. Raya Bandung Sumedang Km 21 Jatinangor
 Telp. 022-7796412

LEMBAR IDENTIFIKASI TUMBUHAN
 No.250/LBM/IT/XII/2023

Herbarium Jatinangor, Laboratorium Biosistemika dan Molekuler, Departemen Biologi FMIPA UNPAD, dengan ini menerangkan bahwa:

Nama : Widya Nurasih
 NPM : 201FF03150
 Instansi : Universitas Bhakti Kencana
 Telah melakukan identifikasi tumbuhan, dengan No. Koleksi: 316
 Tanggal Koleksi : 24 November 2023
 Lokasi : Kebun Percobaan Manoko-Lembang, Jawa Barat

Hasil Identifikasi,

Nama Ilmiah : *Punica granatum L.*
 Sinonim : *Punica nana L.*
 Nama Lokal : Buah delima
 Suku/Famili : *Lythraceae J. St.-Hil.*

Referensi:

Cronquist, Arthur. 1981. *An Integrated System of Classification of Flowering Plants*.
 Columbia University Press. New York
 World Flora Online(2021): <https://powo.science.kew.org/>.

Jatinangor, 6 Desember 2023

Mengetahui,
 Kepala Laboratorium



Annisa, M.Sc., Ph.D.
 NIP. 197802042006042001

Identifikator,



Drs. Joko Kusmoro, M.P
 NIP. 196008011991011001

Lampiran 4 Certificate of Analysis (CoA) Bahan Aktif dan Eksiipien

A. PVP K-30

COA Code: JHSPK-KOPG-USP41-0002

JH Nanhong Life Sciences Co., Ltd.
Certificate of Analysis

Product Name	Povidone K30	Batch No.	PK30-220428F22	Date of Mfg	20220428
Quantity	4900KG	Packaging	25KG / Fibre Drum	Expiry Date	20260427
Source	PVP Workshop	Reference	USP41		

No.	Item	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 ₁ , B ₂ , B ₃ , or B ₄	Complies
5.	pH	3.0-5.0	3.5
6.	K _{aval} value	27.0-32.4	29.7
7.	Aldehydes, ppm	≤ 900	21.6
8.	Peroxides, ppm	≤ 400	207
9.	Formic acid, %	≤ 0.5	0.1
10.	Hydrazine, ppm	≤ 1	<1
11.	Impurity A (3-vinylpyrrolidin-2-one), ppm	≤ 10	0.050
12.	Impurity B (2-pyrrolidone), %	≤ 3.0	1.1
13.	Heavy metals, ppm	≤ 10	<10
14.	Lead, ppm	≤ 10	<10
15.	Water, %	≤ 5.0	2.5
16.	Sulphated ash, %	≤ 0.1	0.06
17.	Nitrogen content, %	11.5 - 12.8	11.9
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: Yang Zhimin Signature: Yang Zhimin Date: 19/5/2022

QC Manager: Tong Mengxin Signature: Tong Mengxin Date: 19/5/2022

Released by QA Manager: Zhang Ming Signature: Zhang Ming Date: 19/5/2022

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: +86-0570-3283574

B. Asam Sitrat



山东英轩实业股份有限公司

SHANDONG ENSIGN INDUSTRY CO.,LTD.

Certificate of Analysis 检验报告单

Report No.报告编号: YXJTCN 20221105008-01

Report Date报告日期: 2022-11-05

Product.Citric Acid Monohydrate 产品: 一水柠檬酸		Batch No. 批号 GM12210013	Quantity 数量: 22.75MT	Production Date生产日期: 2022-10-25
Molecular Formula分子式: C ₆ H ₈ O ₇ ·H ₂ O		CAS No.: 5919-29-1		Shelf Life有效期: 36months
Item 项目	Unit 单位	Quality Standards 质量标准		Analysis Results 分析结果
Characters感官	—	White or almost white, crystalline powder, colourless crystals or granules. Odorless, has a strongly acid taste. Very soluble in water, freely soluble in ethanol. 本品为白色结晶状颗粒或粉末; 无臭, 味酸; 易溶于水, 溶于乙醇; 微溶于乙醚。		Pass 符合
Identification鉴别试验	—	Pass Test 符合试验		Pass 符合
Appearance of solution溶液外观	—	Pass Test 符合试验		Pass 符合
Assay含量	%	99.5-100.5		100.0
Water水分	%	7.5-8.8		8.02
Readily Carbonizable Substances易炭化物	—	Pass Test 符合试验		Pass 符合
Sulphated Ash (Residue on Ignition)硫酸灰分	%	≤0.05		0.02
Sulfate硫酸盐	mg/kg	≤50		<50
Oxalate草酸盐	mg/kg	≤50		<50
Chloride氯化物	mg/kg	≤5		<5
Lead铅	mg/kg	≤0.1		<0.1
Arsenic砷	mg/kg	≤0.1		<0.1
Mercury汞	mg/kg	≤0.1		<0.1
Aluminium铝	mg/kg	≤0.2		<0.2
Heavy Metals重金属	mg/kg	≤5		<5
Bacterial endotoxins细菌内毒素	IU/mg	≤0.5		<0.5

结论: The product is in conformity with BP/USP/FCC/EE30/ENSGN. 产品符合BP/USP/FCC/EE30/ENSGN要求。

Approved by: 陈廷彪

Reviewed by: 李金艳

Authorized signatory

Analysis date: 2022-10-27



C. Asam Tartrat**CERTIFICATE OF ANALYSIS****MARKS & NOS.****INVOICE NO.:2023NCRH3028****DATE:MAR 10, 2023****N/M****DL-TARTARIC ACID****BATCH NUMBER****AB2303019****DESCRIPTION****WHITE CRYSTALLINE POWDER****CONTENT****99.87 %****SULPHATE****PASSED****HEAVY METALS****< 0.001 %****ARSENIC****< 0.0003 %****LOSS ON DRYING****0.35 %****RESIDUE ON IGNITION****0.038 %****QUANTITY****21000KGS****CONCLUSION****ACCORDING TO FOOD GRADE(ANHYDROUS) STANDARD****PRODUCTION DATE****MAR 09, 2023****EXPIRY DATE****MAR 09, 2025**

D. Natrium Bikarbonat**CERTIFICATE OF ANALYSIS****ORIGINAL**

DATE: NOV 22, 2022

CONSIGNEE: TO WHOM IT MAY CONCERN

BENEFICIARY: INNER MONGOLIA IHJUCHEM INDUSTRIAL CO., LTD.

3RD FLOOR NO.20 BUILDING YITAI PRINCE MANTION, WANTONG ROAD, RUYI DIST., HOHHOT CHINA

COMMODITY: SODIUM BICARBONATE 99%MIN, "MALAN BRAND"

QUANTITY & WEIGHT (PACKAGE NUMBERS): 8640 BAGS / 216,000 KGS

DATE OF MANUFACTURE: 20221113

DATE OF EXPIRY: 20241113

LOT NO.: 20221113

THIS IS TO CERTIFY THAT WE, THE BENEFICIARY, HAVE INSPECTED THE QUALITY OF THE ABOVE MENTIONED GOODS AND FOUND THE RESULT OF INSPECTION AS FOLLOWS:

ITEM	SPECIFICATION	RESULT
NAHCO ₃	99% MIN.	99.85%
ARSENIC	0.0001% MAX.	0.000085%
HEAVY METALS (PB)	0.0005% MAX.	0.00015%
LOSS ON DRYING	0.20% MAX.	0.03%
PH VALUE	8.6 MAX.	8.1
NH ₄		None
Microbiology		Not detected

E. Maltodekstrin


秦皇岛骊骅淀粉股份有限公司
QINHUANGDAO LIHUA STARCH CO., LTD
 检验报告单
CERTIFICATE OF ANALYSIS

LHCO/J-19

PRODUCT NAME	MALTO DEXTRIN DE10-12	REPORT NO.	02
BATCH NO.	20230509	PACKING	25KG/BAG
QUANTITY(MT)	55MT	PRODUCING DATE	MAY 09, 2023
PRODUCTION UNIT	MALTO DEXTRIN WORKSHOP	DATE OF EXPIRY	MAY 08, 2025
TEST BASE	GB/T20884-2007	TEST OBJECT	ALL

TEST ITEM	TEST BASE	TEST RESULT
CHARACTER	WHITE POWDER WITH YELLOWISH SHADOW, NON IRREGULAR SHAPE, NON VISIBLE IMPURITIES BY NAKED EYES. WITH THE SPECIAL FLAVOR OF MALTO DEXTRIN, SWEETISH OR NOT, NO ODOR	WHITE POWDER WITH YELLOWISH SHADOW, NON IRREGULAR SHAPE, NON VISIBLE IMPURITIES BY NAKED EYES. WITH THE SPECIAL FLAVOR OF MALTO DEXTRIN, SWEETISH OR NOT, NO ODOR
DE VALUE, %(M/M)	10-12	11.6
WATER, %(M/M)	≤6	5.3
SOLUBILITY	≥98	99.1
PH VALUE	4.5-6.5	5.2
SULPHATE ASH %(M/M)	≤0.6	0.5
IODINE TEST	NEGATIVE	NEGATIVE
ARSENIC(AS), MG/KG	≤0.5	0.1
PB, MG/KG	≤0.5	0.1
COLIFORM(MPN/100 G)	≤30	NONE
TOTAL BACILLUS(CFU/G)	≤3000	10
SALMONELLA	NONE	NONE

CONCLUSION: THE PRODUCT COMPLY WITH THE SPECIFICATION OF GB/T20884-2007

MINISTER: CONG WEI CHECKER: LIU KUN EXAMINANT: YANG JIA LEI
 MANUFACTURER: QINHUANGDAO LIHUA STARCH CO., LTD.

F. Xanthan gum

Deosen Biochemical(Ordos) Ltd.

Add: Sanshangliang Industrial Park, Dalate, Ordos, Inner Mongolia, P.R. China

Tel: 0086 533 7220837/ 7220838 Fax: 0086 533 7216024

E-mail: sales@deosen.com



Certificate Of Analysis

Product: Gum Xanthan Food Grade 200mesh

Brand name: ZIBOXAN® F200

Item	Specification	Results			
Batch no.		34230025	37230059	37230031	34230063
Quantity(kg)		2250	3750	4500	4500
Manuf. date		JAN.08,2023	JAN.14,2023	JAN.07,2023	JAN.19,2023
Expiry date		JAN.07,2025	JAN.13,2025	JAN.06,2025	JAN.18,2025
Viscosity (1% solution in 1% KCL)	1200 –1600cps	1430cps	1500cps	1420cps	1550cps
PH 1% solution	6.0 –8.0	6.74	7.2	7.52	6.92
Loss on Drying	max 15%	9.04%	8.58%	7.97%	8.27%
Ash	max 13%	6.16%	6.25%	6.27%	6.17%
Assay	91.0% –117.0%	99.7%	100.3%	99.5%	99.8%
Particle size	100% through 80 mesh (180micro)	100%	100%	100%	100%
	min 92% through 200mesh (75micro)	93.0%	92.4%	93.5%	92.0%
V1/V2	1.02 –1.45	1.04	1.04	1.07	1.02
Pyruvic acid	min 1.5%	3.6%	3.5%	4.2%	4.6%
Nitrogen	max 1.5%	0.74%	0.74%	0.74%	0.74%
Heavy metal	max 20ppm	conform	conform	conform	conform
Arsenic	max 2ppm	conform	conform	conform	conform
Lead	max 2ppm	conform	conform	conform	conform
Mercury/Cadmium	max 1ppm	conform	conform	conform	conform
Ethanol and Isopropyl Alcohol	max 500 ppm	269	349	185	262
Total plate count	not more than 2000cfu/g	150	50	430	330
Yeast/mould	not more than 100cfu/g	conform	conform	conform	conform
E.coli	absent /25g	conform	conform	conform	conform
Salmonella	absent /25g	conform	conform	conform	conform
Raw material	maize starch, soy protein	conform	conform	conform	conform
GMO status	GMO Free	conform	conform	conform	conform

G. Laktosa



DFE
pharma

DFE Pharma GmbH & Co. KG / PO Box 20 21 20 / D-47568 Goch
 Page No. 1/2
DFE154580 000001 20211210 130646 2006 2430 7087 30 000001

Certificate of Analysis

Customer number : 360560 Delivery number : 811542880 Delivery date : 24.10.2022 Material number : 0743826 Material description : YMS Impalpable (M2) Milled lactose monohydrate USP-NF, Ph.Eur., JP Bag, PE liner, 25 kg net	Lot/ Batch number : 23174701 Date of production : 01.06.2022 Expiry date : 01.06.2025 Order number : 15452851 Your order number : PH230517	
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Analysis

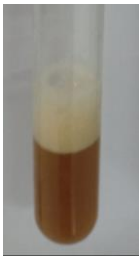
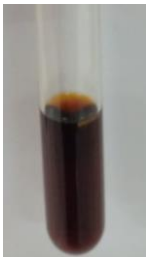
Characteristic	Method of analysis	Unit	Specification	Results
Infrared absorption spectrum / 30 A	USP-NF, Ph.Eur., JP		Conforms to reference	Pass
Water / 30 D Ph.Eur.	USP-NF; Ph.Eur.; JP	% (m)	4.5-5.5	5.1
Appearance of solution	Ph.Eur.		Not more intensely coloured than ref RY7	Pass
Lactose colour of sol.	USP-NF; JP		Nearly colourless	Pass
Lactose clarity of sol.	USP-NF; Ph.Eur.; JP		Clear	Pass
UV-Abs. 1% sol. 210-220 nm	USP-NF; Ph.Eur.; JP		0.00-0.25	0.02
UV-Abs. 1% sol. 270-300 nm	USP-NF; Ph.Eur.; JP		0.00-0.07	0.00
UV-Abs. 10% sol. 400 nm	USP-NF; Ph.Eur.; JP		0.00-0.04	0.00
Acidity (0.1N NaOH/Kg)	USP-NF; Ph.Eur.; JP	ml	0.0-0.4	0.2
Specific optical rotation (anhydrous basis)	USP-NF; Ph.Eur.; JP	Degree	54.4-55.9	55.1
Heavy Metals	USP-NF; Ph.Eur.; JP		max 5 ppm	Pass
Loss on Drying (2 hrs, 80°C)	USP-NF; JP	% (m)	0.0-0.5	0.1
Residue on ignition / Sulfated ash	USP-NF; Ph.Eur.; JP	% (m)	0.0-0.1	<0.1

Characteristic	Method of analysis	Unit	Specification	Results
Total Aerobic Micro Count	Pharmacopoeia Harmonized Methods	cfu/g	0-100	<100
Total Yeast & Mold Count	Pharmacopoeia Harmonized Methods	cfu/g	0-65	<35
Escherichia coli (10 g)	Pharmacopoeia Harmonized Methods		Negative	Negative
Salmonella (750g)	equal to ISO 1579		Negative	Negative

Characteristic	Method of analysis	Unit	Specification	Results
Particle size <75 µm	Internal, ATM sieve after	% (m)	76-86	81
Particle size <150 µm	Internal, ATM sieve after	% (m)	≥98	99

Manufacturer: DFE Pharma GmbH & Co. KG, Goch, Germany (formerly named "DFE-Feinere Spezialitäten GmbH & Co. KG")

Lampiran 5 Hasil Skrining Fitokimia Ekstrak Kulit Delima Merah

Alkaloid	Flavonoid	Saponin	Kuinon	Tanin	Steroid/ Triterpenoid
- Pereaksi Dragendorff   - Pereaksi Mayer 				- Gelatin 1%  - FeCl ₃ 1% 	

Lampiran 6 Hasil Uji Evaluasi Granul *Effervescent* Ekstrak Kulit Delima Merah

A. Uji LoD



B. Uji Laju Alir



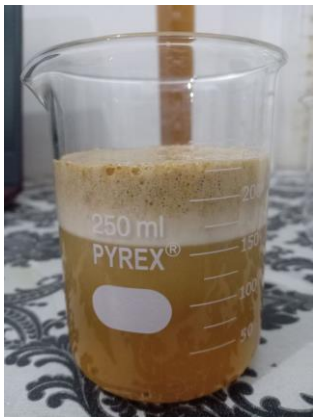
C. Uji Indeks Kompresibilitas



D. Uji Waktu Larut



E. Uji Tinggi Buih



F. Uji pH

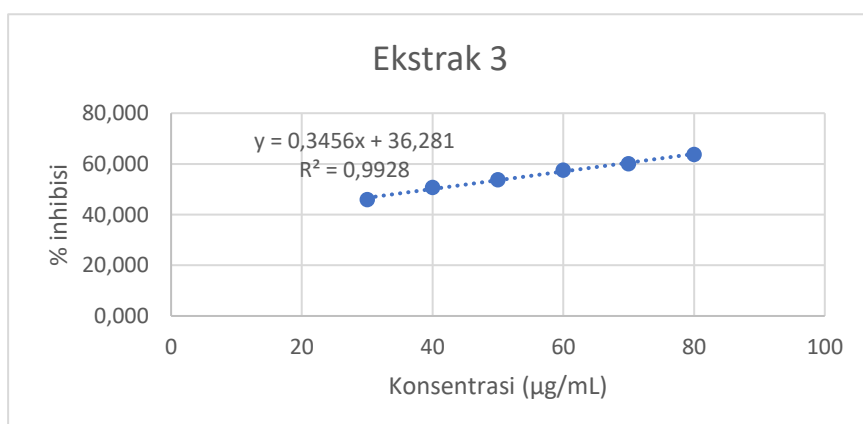
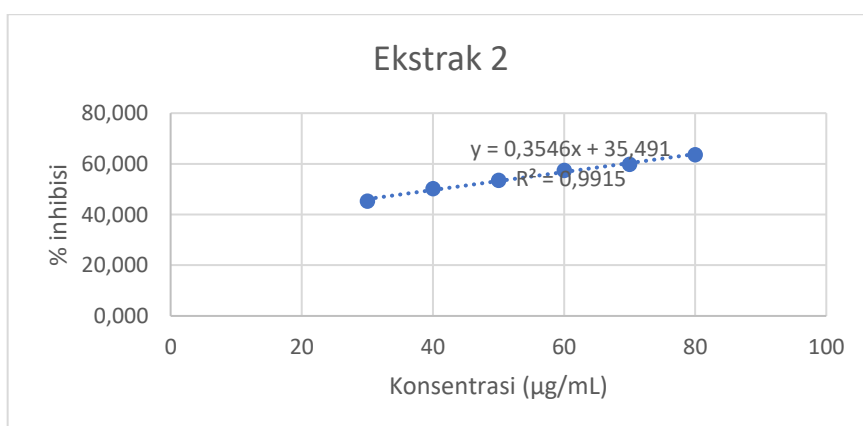
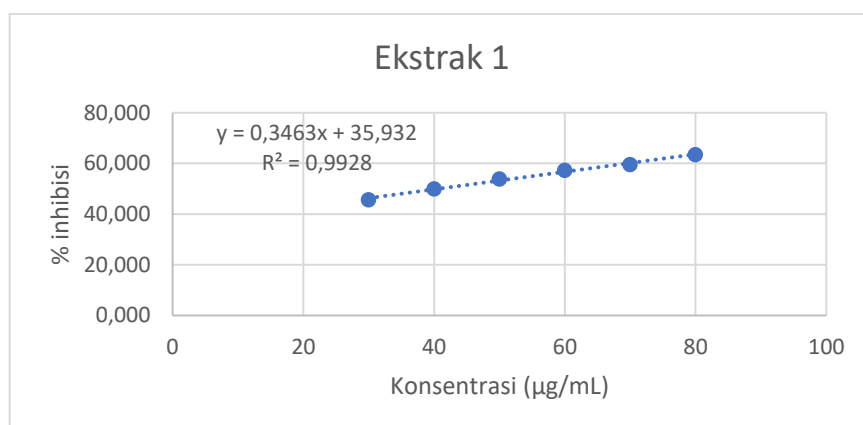


G. Uji Sedimentasi



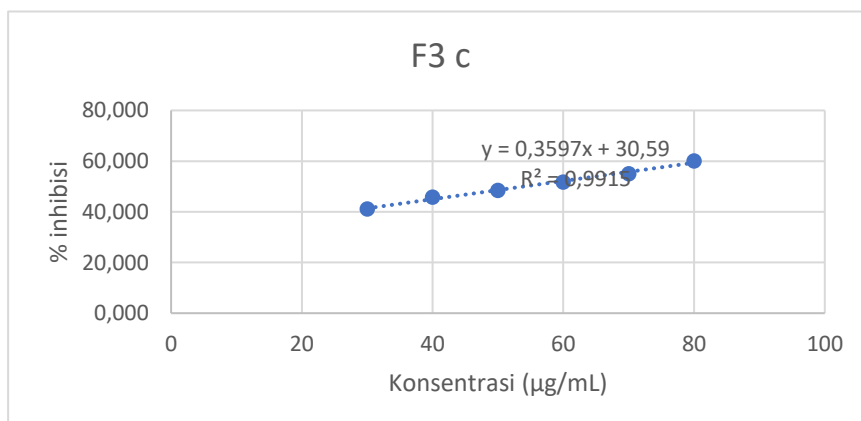
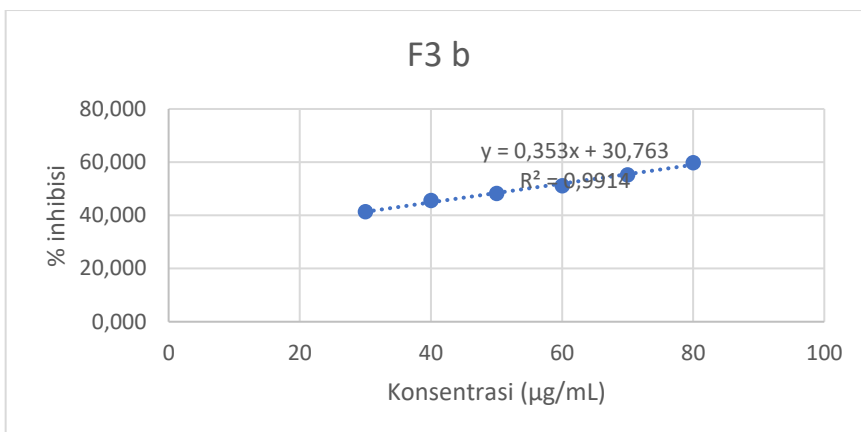
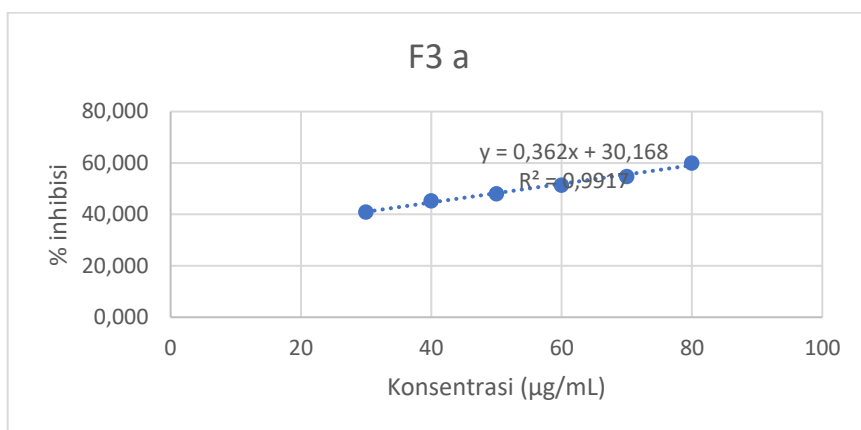
Lampiran 7 Data Hasil Aktivitas Antioksidan Ekstrak Kulit Delima Merah

Konsentrasi ($\mu\text{g/mL}$)	Abs. Kontrol	Abs. Sampel			% inhibisi			IC ₅₀			Rata- rata IC ₅₀	SD
		1	2	3	1	2	3	1	2	3		
30	0,854	0,464	0,467	0,462	45,667	45,316	45,902	40,62	40,92	39,70	40,41	0,64
40		0,427	0,425	0,421	50,000	50,234	50,703					
50		0,394	0,397	0,395	53,864	53,513	53,747					
60		0,365	0,363	0,362	57,260	57,494	57,611					
70		0,345	0,343	0,341	59,602	59,836	60,070					
80		0,312	0,311	0,31	63,466	63,583	63,700					



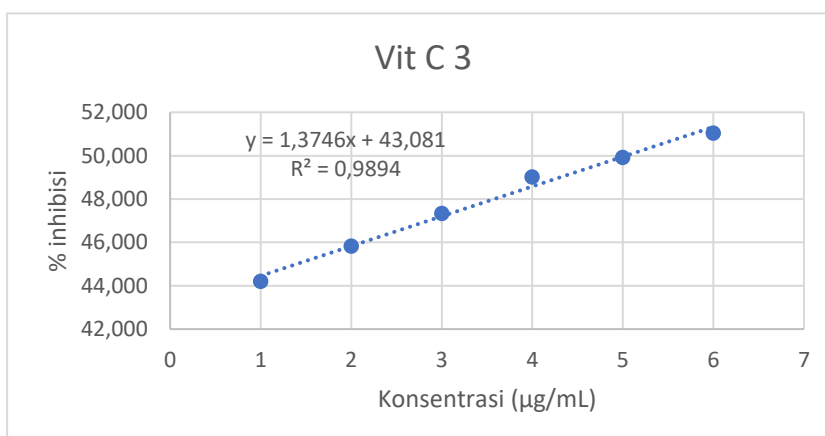
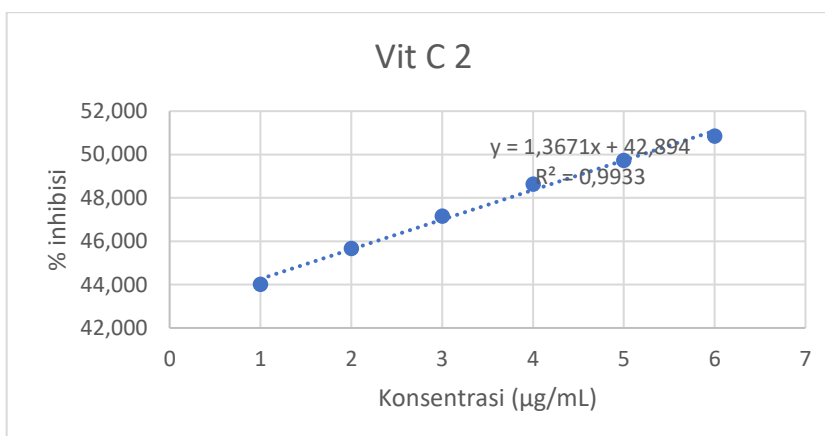
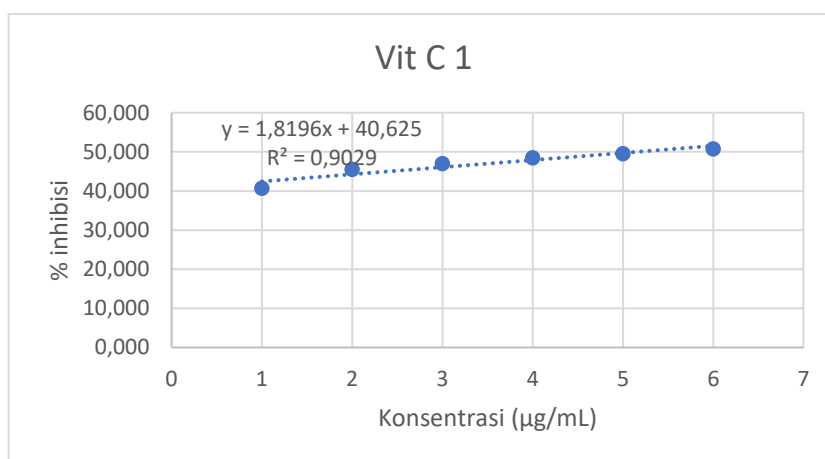
Lampiran 8 Data Hasil Aktivitas Antioksidan Granul *Effervescent* Ekstrak Kulit Delima Merah

Konsentrasi (µg/mL)	Abs. Kontrol	Abs. Sampel			% inhibisi			IC ₅₀			Rata-rata IC ₅₀	SD
		1	2	3	1	2	3	1	2	3		
30	0,854	0,504	0,501	0,503	40,984	41,335	41,101	54,78	54,50	53,96	54,41	0,42
40		0,467	0,465	0,463	45,316	45,550	45,785					
50		0,444	0,442	0,44	48,009	48,244	48,478					
60		0,415	0,418	0,412	51,405	51,054	51,756					
70		0,386	0,383	0,384	54,801	55,152	55,035					
80		0,342	0,344	0,341	59,953	59,719	60,070					

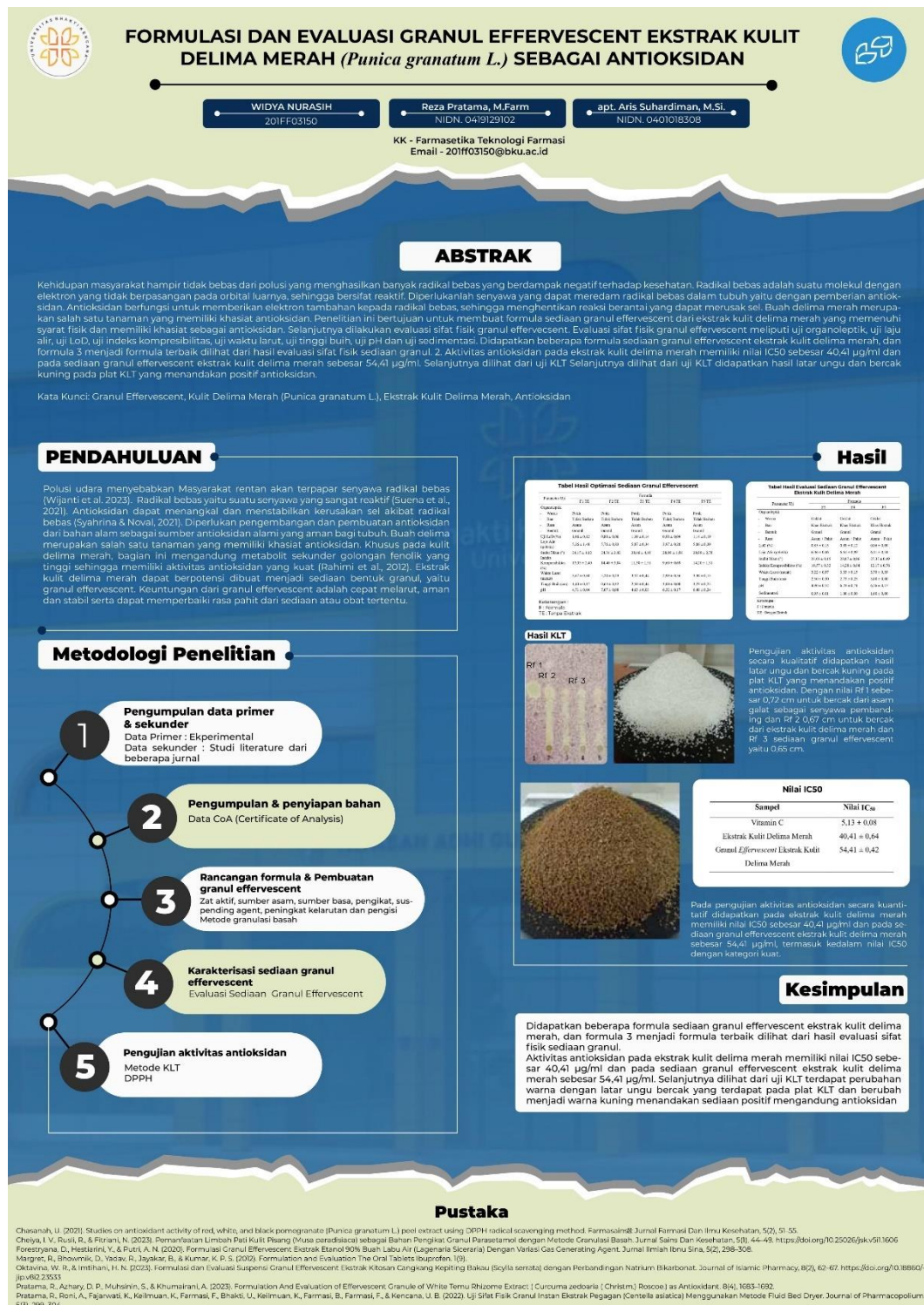


Lampiran 9 Data Hasil Aktivitas Antioksidan Kontrol Positif Vitamin C

Konsentrasi ($\mu\text{g/mL}$)	Abs. Kontrol	Abs. Sampel			% inhibisi			IC ₅₀			Rata- rata IC ₅₀	SD
		1	2	3	1	2	3	1	2	3		
1	0,929	0,550	0,520	0,518	40,731	44,019	44,205	5,15	5,20	5,03	5,13	0,08
2		0,506	0,505	0,503	45,514	45,672	45,833					
3		0,492	0,491	0,489	46,985	47,159	47,340					
4		0,479	0,477	0,473	48,448	48,638	49,016					
5		0,469	0,467	0,465	49,499	49,729	49,914					
6		0,457	0,456	0,455	50,786	50,858	51,043					



Lampiran 10 Poster Penelitian Tugas Akhir



Lampiran 11 Curriculum Vitae**A. Identitas Diri**

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SMA : SMAN 1 Baleendah | 2017 – 2020
Perguruan Tinggi : Universitas Bhakti Kencana | 2020 – 2024