



ELRAMDA NAFIS ZADA

085157277822 | elramdanz@gmail.com | <https://www.linkedin.com/in/elramda-nafis-zada-2160bb231/>

Undergraduate Mathematics and Natural Sciences Faculty student. Majoring of Biochemistry who likes to learn new knowledge. Likes topics that relates with biochemistry, clinical biochemistry, food science, pharmaceutical, and have interest in medicine, laboratory analysis, research and development, and quality control.

Education

IPB University (GPA: 3.85/4.00)

Aug 2022 – May 2026

Mathematics and Natural Science Faculty Student Graduate.

Bachelor of science, majoring of Biochemistry

Work Experience

Quality Control PT L'essential

Jul 2026 – Now

- Supported quality control activities for cosmetic products, particularly physical and chemical testing of finished goods and packaging materials.
- Conducted stability testing by evaluating parameters including viscosity, pH, and BJ (specific gravity) of cosmetic products under different storage conditions.
- Assisted in raw material sampling and QC inspection prior to production.
- Performed packaging material testing, including leakage testing to evaluate packaging integrity.
- Conducted packaging sticker QC by verifying sticker specifications and printed information against approved designs.
- Performed QC data entry and documentation, including sample records, batch information, expiry dates, and inspection results

Research and Development Intern PT Prodia Widyahusada Tbk

May 2026 – Jul 2026

- Developed and curated a metabolomic database comprising approximately 170 biomarkers and disease-associated metabolites.
- Hands on in mass spectrometry instrument such as LC-MS/MS, GC-MS, HPLC-DAD/FLD
- Conducted method development for amino acid detection in saliva with LC-MS/MS and investigated its correlation with sleep duration.
- Developed and conducted research metabolomic in breast cancer and related one carbon metabolism using LC-MS/MS
- Developed research metabolomic 100 sample of healthy group comparing with diabetic group using LC-QToF
- Development Fatty Acid Methyl Ester Internal Standard Using GC-MS

Thesis Research

Oct 2025 – Jan 2026

- Conducted research on *Annona squamosa* (sugar apple) and *Moringa oleifera* (moringa) leaves as potential antioxidants and pancreatic lipase inhibitors.
- Performed various analyses including moisture content determination, extraction procedures, phytochemical screening, total phenolic content (TPC), total flavonoid content (TFC), antioxidant assays (DPPH and FRAP), and pancreatic lipase inhibition assay.
- Operated laboratory instruments such as sonicator, rotary evaporator, and UV-Vis spectrophotometer for sample preparation and quantitative analysis

Research and Development of Team Biocoagreen Program Kreativitas Mahasiswa Bidang Kewirausahaan (PKM-K) Nov 2025

- Development formula oil solidifier from sugarcane bagasse

BRIN (Research Internship)

Jun 2024 – Aug 2024

- Received a research theme about bioactivity endophytic bacteria in kratom plant
- Received formal training good laboratory practice

Laboratory Teaching Assistant – Biochemistry & Biology IPB University

Jan 2024 – Jul 2026

- Accumulated approximately 2 years of experience as a laboratory teaching assistant across Fundamental Biology, General Biochemistry, Enzymology, and Clinical Biochemistry courses.
- Assisted and guided 200+ students across regular, veterinary, biomedicine, and international veterinary classes in laboratory practicum and experimental activities.
- Guided students in experimental procedures, sample handling, laboratory techniques, data collection, and

interpretation of experimental results.

- Ensured proper laboratory practices, safety procedures, and adherence to experimental protocols during practical session

Organization Experience

Staff of Biochemistry Champion League Staff of Competition

Oct 2024 – Nov 2024

- Managed the event competition especially for esport competition
- Responsible for organizing an esport tournament with 30 participants

Staff of Ubiquinon division Logistic and Consumption

Jun 2023 - Nov 2023

- Managed the event's logistics including needed items and consumption.
- Handled over 30 contestant accommodation around IPB Dramaga Campus.

Other Course Taken

Food Chemistry (TPN1211)

Jul 2024

Introduction to Sensory Evaluation of Foods (TPN1237)

Nov 2023

Halal Assurance System (TPN1336)

Nov 2023

Other Experience & College Project

Bionanotechnology Capstone Project

Aug 2025 – Nov 2025

- Developed a project entitled *"Development of a DNA Origami-Based Emodin Delivery System to Enhance Stability and Therapeutic Efficacy in Prostate Cancer Treatment."*
- Designed a conceptual nanocarrier system aimed at improving drug stability, targeting efficiency, and controlled release.

Biochemistry Innovation 4.0

Aug 2025 – Nov 2025

- Developed a project entitled *"CurcuMine NLC-RBO: Intranasal Antidepressant Therapy."*
- Designed a nano-structured lipid carrier (NLC) system incorporating rice bran oil to enhance curcumin bioavailability and brain-targeted delivery.

Honor and Awards

- Awarded national competitive funding under the Student Creativity Program in Entrepreneurship (PKM-K) 2025. The project Biocoagreen focuses on optimizing sugarcane bagasse as an oil solidifier for used cooking oil waste, aiming to support zero waste initiatives and sustainable entrepreneurship in the global market.

Certification

- Good Laboratory Practice, Department of Food and Tehcnology, IPB University (June 2025)
- HACCP, Premysis consulting (June 2024)

Interest, Skills

Language: Bahasa Indonesia (native); English (intermediate)

Soft Skills: Team work, problem solving, collaboration, time management, adaptability

Hard Skills: Microsoft office (word, excel, power point), LC-MS/MS, GC-MS, HPLC, LC-QToF, UV-Vis



Nomor Ijazah : 002003472022026100012

Number of Degree Certificate

Institut Pertanian Bogor

Dengan ini menyatakan bahwa

Herewith certifies that

Elramda Nafis Zada

NIM : G8401221015

Student ID Number

No PT : 002003

University Number

No Prodi : 47202

Study Program Number

lahir di Malang pada tanggal 2 November 2003, telah menyelesaikan dan memenuhi seluruh syarat pendidikan Sarjana

born in Malang on November 2, 2003, has successfully completed and fulfilled all educational requirements of the undergraduate

Program Studi Biokimia, Fakultas Matematika dan Ilmu Pengetahuan Alam

Study Program of Biochemistry, Faculty of Mathematics and Natural Science

dinyatakan lulus pada tanggal 19 Mei 2026 dan kepadanya diberikan gelar

He graduated on May 19, 2026 and was awarded the degree of

Sarjana Sains (S.Si.)

Bachelor of Science with Honours in Mathematics and Natural Science

beserta segala hak dan kewajiban yang melekat pada gelar tersebut.

with all the rights and responsibilities associated with this degree.

Diterbitkan di Bogor pada tanggal 29 Mei 2026

Granted in Bogor on May 29, 2026



Rektor,
Rector,

Dr. Alim Setiawan Slamet, S.T.P., M.Si.
NIP 198202272009121001

Dekan Fakultas Matematika dan Ilmu Pengetahuan Alam,
Dean of Faculty of Mathematics and Natural Science,

Dr. Berry Juliandi, S.Si., M.Si.
NIP 197807232007011001





INSTITUT PERTANIAN BOGOR
DAFTAR PRESTASI AKADEMIK MAHASISWA
PROGRAM PENDIDIKAN SARJANA

Nama : Elramda Nafis Zada
Nomor Induk Mahasiswa : G8401221015
Tempat dan Tanggal Lahir : Malang, 2 November 2003
Tahun Masuk : 2022
No Perguruan Tinggi (No PT) : 002003
Fakultas/Sekolah : Fakultas Matematika dan Ilmu Pengetahuan Alam
Program Studi : 47202 - Biokimia
Tanggal Kelulusan : 19 Mei 2026
Gelar Akademik : Sarjana Sains (S.Si.)
Nomor Transkrip : 1009260041
Nomor Ijazah : 002003472022026100012

Nomor	Kode	Mata Kuliah	sks	Huruf Mutu
1	IPB110A	Agama Islam	3	A
2	IPB110C	Pertanian Inovatif	2	A
3	IPB110D	Pendidikan Pancasila	1	A
4	IPB110E	Pendidikan Kewarganegaraan	1	A
5	IPB110G	Olahraga/Seni	1	A
6	KIM1104	Kimia Sains dan Teknologi	3	B
7	MAT1101	Matematika dan Berpikir Logis	3	AB
8	STA1111	Statistika dan Analisis Data	3	A
9	BIO1102	Biologi Dasar	3	AB
10	EKO1101	Ekonomi	2	A
11	FIS1104	Fisika Sains Teknologi	3	AB
12	IPB1106	Bahasa Indonesia	2	A
13	IPB110F	Bahasa Inggris	2	A
14	KOM1102	Berpikir Komputasional	2	A
15	KPM1131	Sosiologi	2	A
16	MAT1102	Kalkulus I	3	AB
17	IPB20F	Keberagaman & Multibudaya	2	A
18	IPB205	Pembelajaran Emosi & Sosial	2	A
19	IPB20E	Etika Profesional	2	A
20	IPB203	Pengembangan Talenta	2	A
21	BIO1211	Mikrobiologi	3	A
22	KIM1221	Kimia Organik I	3	C
23	IPB1400	Kuliah Kerja Nyata Tematik	4	A
24	BIK1201	Biokimia Umum	3	A
25	BIK1205	Struktur dan Fungsi Biomolekul	2	A
26	BIK1206	Praktikum Karakterisasi Biomolekul	1	A
27	BIK1210	Biokimia Fisik	3	A
28	BIK1232	Teknik Dasar dan Keselamatan Laboratorium Biokimia	2	A
29	BIK1207	Struktur dan Fungsi Subseluler	2	A
30	BIK1208	Metabolisme	2	A
31	BIK1211	Bioenergetika	2	AB
32	BIK1221	Enzimologi	3	AB
33	BIK1222	Genetika dan Biologi Molekuler	2	AB
34	BIK1231	Analisis Biokimia	3	A
35	BIK1300	Praktek Lapang	2	A
36	BIK1303	Biokimia Pertanian	3	A
37	BIK1304	Teknik Penulisan Ilmiah	2	A



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Nomor	Kode	Mata Kuliah	sks	Huruf Mutu
38	BIK1314	Biokimia Tumbuhan	2	A
39	BIK1315	Integrasi dan Regulasi Metabolisme	2	A
40	BIK1318	Biokimia Toksikologi dan Lingkungan	2	A
41	BIK1320	Keteknikan Asam Nukleat dan Protein	3	A
42	BIK1322	Biokimia Mikroba	2	A
43	BIK1301	Aplikasi Penelitian Biokimia	2	A
44	BIK1302	Biosinyal	2	A
45	BIK1316	Biokimia Nutrisi	2	A
46	BIK1317	Biokimia Medis	2	A
47	BIK1319	Imunokimia	2	A
48	BIK131A	Biokimia Klinis	3	A
49	BIK1323	Biokimia Industri	3	AB
50	BIK1324	Aplikasi Bioinformatika	2	A
51	BIK1401	Teknologi Tepat Guna Berbasis Biokimia	2	A
52	BIK1402	Inovasi Biokimia 4.0	3	A
53	BIK1403	Bionanoteknologi	3	A
54	BIK1404	Industry Exposure	1	A
55	BIK1406	Pengembangan Softskill	1	A
56	BIK1407	Kolokium	1	A
57	BIK1408	Seminar	1	A
58	BIK1409	Karya Ilmiah	6	A
59	TPN1237	Pengantar Evaluasi Sensori Produk Pangan	2	B
60	TPN1336	Sistem Jaminan Halal	2	A
61	TPN1211	Kimia Pangan	3	A
62	3PAD49008	Child Development Psychology: Preschoolers Program ¹	3	A
63	PRx.IF27	Gamification ²	3	A
64	HTMN6019	Indonesian Cuisine ³	4	A

Transfer Kredit dari

1 Universitas Negeri Medan

2 Universitas Pradita

3 BINUS University

Judul Skripsi: Potensi Kombinasi Ekstrak Daun Srikaya (<i>Annona squamosa</i>) dan Daun Kelor (<i>Moringa oleifera</i>) sebagai Antioksidan dan Inhibitor Lipase Pankreas	Dosen Pembimbing : Prof. Dr. drh. Hasim, DEA Prof. Dr. Didah Nur Faridah, S.T.P., M.Si.
sks Kumulatif	: 150
Indeks Prestasi Kumulatif	: 3,85
Predikat Kelulusan	: Dengan Pujian

Keterangan:

A	: 4,00	Istimewa
AB	: 3,50	Sangat Baik
B	: 3,00	Baik
BC	: 2,50	Cukup Baik
C	: 2,00	Cukup
D	: 1,00	Kurang

*) Tidak dihitung dalam IPK



Bogor, 29 Mei 2026
Dekan
Fakultas Matematika dan Ilmu Pengetahuan Alam,

Dr. Berry Juliandi, S.Si., M.Si.
NIP 197807232007011001



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