



ZAHWA ISMA KAILA

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PROFILE SUMMARY

Fresh graduate in Chemistry from IPB University with hands-on experience in laboratory analysis, research support, and product development through academic and internship activities. Experienced in product formulation trials, physicochemical testing, sensory evaluation, laboratory documentation, and SOP-based procedures. Familiar with analytical instruments including UV-Vis spectrophotometer, FTIR, and HPLC (basic), with strong attention to detail, analytical thinking, and adaptability in supporting research, quality, and product development processes across food, cosmetic, and pharmaceutical-related industries.

EDUCATION

Institut Pertanian Bogor - Bogor, Indonesia

August 2021 - August 2025

Bachelor of Science (GPA: 3.41/4.00)

- **Undergraduate Thesis:** Inhibition of Gelugur Acid and Kunci Pepet Extracts on Pancreatic Lipase as Antiobesity In Vitro and In Silico
- Completed a project on synthesizing 5-hydroxymethylfurfural (HMF) from glucose and fructose precursors using a synthetic zeolite catalyst; characterized by FTIR and HPLC for functional group identification, purity, and quantitative analysis.

PROFESSIONAL EXPERIENCE

PT Geltech Prima Indonesia - Bogor, Indonesia

November 2025 - May 2026

Production (Kemnaker Internship)

- Assisted in beverage formulation trials and sensory evaluation for collagen-based drink products
- Supported basic quality checking through random sampling and taste consistency evaluation during operational activities
- Assisted in preparing SJPH documents and supporting raw material data for halal certification submission
- Supported SOP preparation, production planning, and operational documentation for CollagenZ activities
- Assisted in raw material preparation, procurement, and operational readiness for production and sales activities
- Collaborated with cross-functional teams in project planning, operational execution, and problem-solving activities

PT SUCOFINDO SBU Laboratory - Bekasi, Indonesia

September 2024 - November 2024

Laboratory Analyst (Intership)

- Conducted physicochemical testing on 100+ water samples in accordance with laboratory SOPs and testing procedures
- Operated laboratory instruments including UV-Vis spectrophotometer, pH meter, turbidimeter, etc. for sample analysis
- Performed basic instrument checks and ensured laboratory equipment readiness prior to analysis
- Recorded and validated test results while maintaining proper laboratory documentation and data accuracy
- Supported laboratory activities in compliance with GLP principles and internal quality procedures

Science and Technology Chemistry - Bogor, Indonesia

August 2023 - July 2024

Laboratory Teaching Assistant

- Assisted laboratory sessions by guiding students in basic laboratory procedures, safety practices, and equipment usage
- Supported preparation of laboratory materials, solution preparation, and practical activities
- Ensured laboratory cleanliness, documentation, and compliance with basic laboratory safety procedures

ORGANIZATIONAL & STUDENT ACTIVITY EXPERIENCE

Imasika (Ikatan Mahasiswa Kimia) IPB - Bogor, Indonesia

December 2023 - December 2024

General Secretary

- Drafted over 10 official documents, including correspondence, event proposals, sponsorship letters, and accountability reports.
- Prepared official documents, reports, and meeting records while ensuring accuracy and organized documentation
- Coordinated administrative activities and maintained structured correspondence and record keeping

Imasika (Ikatan Mahasiswa Kimia) IPB - Bogor, Indonesia

January 2023 - December 2023

Advocacy and Student Welfare Staff

- Coordinated student-department discussion forums, involving agenda preparation, documentation of discussion outcomes, and follow-up management.
- Supported welfare initiatives by organizing structured activities and maintaining clear recordkeeping.

Forsemi (Forum Seni MIPA) - Bogor, Indonesia

July 2023 - November 2023

Treasurer, Event Organizer Division

- Created detailed budget plans, tracked expenditures, and monitored event workflows to ensure compliant execution.
- Collaborated with the team to design workflows, schedules, and internal instructions, reflecting strong planning and process management capabilities.

CERTIFICATIONS

Food Safety Training on HACCP Documentation Preparation - Bogor, Indonesia

November 2024

Asosiasi Profesi Keamanan Pangan Indonesia (APKEPI)

7 Habits of Highly Effective Student College - Bogor, Indonesia

July 2021

Franklin Covey

SKILLS

Skills

- Laboratory skills: UV-Vis Spectrophotometer, FTIR (basic), HPLC (basic), Physicochemical Testing, Sample Preparation, Laboratory Documentation
- Quality & technical skills: SOP Documentation, Sensory Evaluation, Quality Checking, Data Recording, SJPH Documentation, GLP Basic, HACCP Basic
- Software Skills: Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Canva
- Soft Skills: Attention to Detail, Teamwork, Time Management, Adaptability

Languages: Indonesian (Native), English (Professional Reading and Writing Proficiency)