



ZAHWA ISMA KAILA

zahwaismaakaila@gmail.com | [linkedin.com/in/zahwa-isma-kaila](https://www.linkedin.com/in/zahwa-isma-kaila)

089656535014 | Bandung, West Java 40379

PROFILE SUMMARY

Fresh graduate in Chemistry from IPB University with hands-on experience in laboratory analysis, quality support, and product development through academic and internship activities. Experienced in 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, data accuracy, and teamwork in supporting quality control and operational processes

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

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.

CERTIFICATIONS

FSSC 22000 (Food Safety System Certification)

May 2026

Makin Ahli

ISO 22000:2018 (Food Safety Management System)

May 2026

Makin Ahli

Good Manufacturing Practices (GMP)

May 2026

Makin Ahli

Quality Assurance in Food Industry

May 2026

Makin Ahli

Quality Control in Food Industry

May 2026

Makin Ahli

Food Safety Training on HACCP Documentation Preparation

November 2024

Asosiasi Profesi Keamanan Pangan Indonesia (APKEPI)

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)