

## ALIYAH ZAHRA FAUZIYYAH

Bogor, Jawa Barat, 16963 | 0821-1384-4757 | [aliyahzahra3@gmail.com](mailto:aliyahzahra3@gmail.com) | [linkedin.com/in/aliyahzahraf](https://www.linkedin.com/in/aliyahzahraf)



Bachelor of Applied Science in Analytical Chemistry from IPB University with hands on experience in Research and Development and Quality Control within pharmaceutical and manufacturing environments. Experienced in formulation support, laboratory analysis, sample preparation, and testing of raw materials, in-process materials, and finished products in accordance with SOPs and quality standards. Skilled in physicochemical testing, stability studies, and analytical instruments including HPLC, FTIR, GC-MS, UV-Visible Spectrophotometer, and AAS. Knowledgeable in cosmetic and pharmaceutical product development processes, laboratory documentation, GMP, GLP, GDP, and HSE/K3 implementation. Highly interested in cosmetic and personal care industries, with strong analytical thinking, attention to detail, adaptability, and the ability to work collaboratively to support product formulation, trial processes, scale-up activities, and continuous product improvement.

### IPB University

2021 – 2025

Applied Bachelor Degree of Chemical Analysis, GPA: 3.73/4.00

### Vocational High School 7 Bandung

2018 – 2021

Laboratory Testing Analysis

## WORK EXPERIENCE

### PT Novell Pharmaceutical Laboratories

Aug 2025 – May 2026

Analytical Development (Research and Development)

- Conducted analytical method verification and validation for pharmaceutical products.
- Performed assay, dissolution, impurity, and stability testing.
- Operated analytical instruments including UHPLC, HPLC, FTIR, and UV-Visible Spectrophotometer.
- Prepared analytical documentation in compliance with GMP and GLP standards.

### PT BMT Asia Indonesia

Dec 2024 – Feb 2025

Quality Control, Research and Development

- Formulation, FTIR characterization, and adsorption of biomass-based activated carbon adsorbents.
- Analysis of fluoride, sulfate, phosphate, hardness, bromide, and metal content using AAS.
- Analysis of the pH, TDS, temperature, COD, BOD, DO, and conductivity of wastewater samples.
- Analysis of organic contaminants and residual organic compounds using GC-MS.

### PT Saraswanti Indo Genetech

Jul 2024 – Nov 2024

Laboratory Analysis and Quality Assurance

- Conducted proximate and chemical analysis to ensure product quality and compliance with food safety standards.
- Performed analysis of vitamins, minerals, and food additives (BTP).
- Supported Quality Assurance activities including documentation control, audit preparation, and ensuring compliance with quality and food safety standards.

### PT Dirgantara Indonesia (Persero)

Jul 2023 – Aug 2023

HSE staff and Quality Assurance

- Analysis of sulfuric acid and anodizing ( $\text{H}_2\text{SO}_4$ ,  $\text{H}_3\text{PO}_4$ ,  $\text{CrO}_3$ ) levels using Titrimetric.
- Metal analysis using UV-Vis Spectrophotometer, AAS, ICP-MS, and ICP-OES.
- Compression and release analysis of composite materials.

### PT LPKL Tirtawening Bandung

Nov 2020 – Dec 2020

Quality Control and HSE staff

- Microbiological and physicochemical analysis of water (TPC, MPN, Total Coliform, E. coli, pH, TDS, turbidity, nutrients, and metals).
- Performed laboratory analysis using UV-Vis Spectrophotometer, HPLC, AAS, High Volume Air Sampler, and Gas Analyzer.
- Implemented HSE and K3 practices, including hazard identification, safety inspections

## ORGANIZATIONAL EXPERIENCE

### Himavo Likista

Sept 2021 – Oct 2023

Member of the Information and Communication

- Acted as the Chairperson for podcasts for three study programs in the vocational school faculty.
- Shared the content or information related to student association and campus events on social media.
- Conveyed information creatively so that it is easily understood by the audience.

### Medical Team

Sept 2021 – Oct 2023

Member of Internal Department

- Created cooperation within the organization and externally between campuses.

### House of Educational Development

Jul 2022 – Dec 2022

Brand Ambassador and Mentor

- Created posts for social media on Instagram, TikTok, and YouTube.
- Responsible for editing videos for social media and Creator management department.

### Bandung Student Association

Jan 2023 – Dec 2023

Treasurer

- Managed the finances of Bandung students at Institut Pertanian Bogor.
- Raised funds for Bandung student events at Institut Pertanian Bogor.

### Productive Girls Jawa Barat

Oct 2019 – Jan 2020

Secretary

- Managed financial policies to ensure effective financial administration
- Recorded event details, schedules, meeting decisions, and other essential information related to the event.

## PROJECT

### IPB University

Jan 2024 – Jun 2024

- Deep Cleansing Moisturizing Balm from Butterfly Pea Flower (*Clitoria ternatea*) Extract and Rose Essence as an Exfoliator
- Temperature and Humidity Sensor Using DHT11 with IoT-Based Automatic Fan Indicator
- ZnO Nanoparticles Using Pineapple Extract and Their Application as a Film Coating to Extend the Shelf Life of Papaya

## ACHIEVEMENT AND CERTIFICATION

### Occupational Health and Safety (OHS) Certificate

Nov 2024 – Nov 2027

- Occupational Health and Safety

### Franklin Covey

Jul 2021

- 7 Habits Training of Highly College Students

### IPB University

Sept 2021

- Top Finalist in the Inter-University Student Public Speaking Competition

### Organizer Independen

Jun 2020

- Top Finalist in The National Level Mathematics Olympiad Competition

## SKILL

- Hard Skills: Operating chemical instruments such as Karl Fischer, HPLC, UHPLC, GC-MS, AAS, Spectrophotometers (UV-Vis, IR), TOC Analyzer, TLC, Dissolution Tester, Turbopap, ICP-MS, and ICP-OES, pH, TOC, conductivity, osmolality, Karl Fischer, polarimetry, .
- Soft Skills: Teamwork, Responsible, Disciplined, Excellent Communication.