

ZAHRA NUR ICHWANDINI

081310868794 | z.ichwandini@gmail.com | www.linkedin.com/in/zahraichwandini

Bogor, Indonesia, 16610

SUMMARY

Licensed pharmacist from Institut Teknologi Bandung (ITB) with experience in pharmaceutical industry operations, including laboratory analysis, quality systems, and regulatory support. Proficient with GMP, analytical testing (HPLC, GC), and compendial methods. Experienced in supporting quality control, quality assurance, and ensuring compliance with regulatory requirements.

EDUCATION

Pharmacist Professional (Apothecary) Study Program

School of Pharmacy Institut Teknologi Bandung (SF ITB)

- Cumulative GPA: **3.82 / 4.00** ; *Cum Laude*

Bachelor - Pharmaceutical Science and Technology

School of Pharmacy Institut Teknologi Bandung (SF ITB)

- Cumulative GPA: **3.81 / 4.00** ; *Cum Laude*
- Thesis : Gene expression analysis on UVA-irradiated NIH/3T3 cells treated with white tea extract (Biotechnology Lab).
- Key skills: cell culture, in silico studies, qPCR, protein analysis, and gene expression analysis.

AWARDS

Daewoong Foundation Scholarship 2022 Awardee

(2022 – 2023)

- Conducted research on the Indonesian biosimilar market, including trastuzumab market potential, and was selected as one of 70 recipients of the 2022 Daewoong Foundation Scholarship.

WORKSHOPS

Quality Assurance (QA) in Pharmaceutical Industry

(March 2025)

Crafting Meaningful Marketing Claim with Consumer Research & Sensory Research

(Nov 2024)

Vaccine Development - ITB International Virtual Course

(June 2021 - July 2021)

EXPERIENCE

Analytical Development Export Staff – Novell Pharmaceutical Laboratories

(May 2025 – February 2026)

- Handled analytical development for 1–3 export products per semester, including literature study, method trials, and validation to ensure suitability for manufacturing use.
- Performed analytical method validation and verification in accordance with international guidelines (USP/BP/EP/etc).
- Prepared analytical documentation for export product registration to support regulatory dossiers.

Solid Production Intern – SOHO Global Health

(Sep 2024 – Oct 2024)

- Managed material reconciliation and lost time analysis for 50+ solid dosage production batches to support production efficiency and data accuracy.
- Identified and investigated production and packaging deviations, collaborating with operators to support troubleshooting and GMP-compliant process improvements.

Cosmetic Laboratory Pharmacist Intern – Indonesian FDA (BBPOM Bandung)

(Aug 2024 – Aug 2024)

- Conducted laboratory tests on 100+ cosmetic samples to assess compliance with regulatory standards using GC, GCMS, and HPLC.
- Performed data analysis and interpreted chromatograms to detect prohibited substances or deviations in testing parameters.
- Troubleshoot and resolved data-related challenges in laboratory experiments.

Laboratory Analytics Project Intern - Oxford University Clinical Research Unit (Jun 2022 – Aug 2022)

- Performed immunoassays (ELISA and ELISPOT) on 200+ samples to evaluate humoral and cellular immune responses to COVID-19 vaccines in Indonesia (Pfizer, AstraZeneca, Sinovac).
- Managed biological specimen integrity, ensuring strict traceability and quality control for cell and serum samples in a high-standard laboratory environment.
- Troubleshoot and resolved data-related challenges in laboratory experiments

Laboratory Assistant – SF ITB (Aug 2021 – Dec 2022)

- Scope: Supervised and mentored students in three specialized laboratories: Sterile & Liquid Dosage Forms, Physical Pharmacy, and Microbiology.
- Technical Mastery:
 - Quality & Stability: Guided sessions on stability testing, rheology, dissolution, and physical property profiling.
 - Microbiology & Sterility: Led assays for sterility testing, microbial contamination, antibiotic potency, and preservative effectiveness.
 - Formulation: Supervised the manufacturing and evaluation of sterile liquid and semi-solid dosage forms.

ORGANIZATION

Public Health Campaign Staff – 68th IPSF World Congress (Nov 2021 – Aug 2023)

- Conducted research for campaign materials and developed engaging content for public health initiatives.

Pengembangan Karya Division Vice Manager – Student Executive Board ITB (Oct 2021 – Feb 2022)

- Analyzed student project challenges and facilitated cross-organizational research collaborations

Internal Vice Manager – ITB Student Cooperation Unit (Sept 2021 – Feb 2022)

- Led and monitored three major internal projects, ensuring alignment with organizational objectives.

Community Development Staff – ITB Pharmacy Student Association (Sept 2020 – Feb 2022)

- Compiled a COVID-19 nutrition guidebook and managed TOR development for community events.

SKILLS

Technical skills: HPLC, GC, UV/VIS, Cell culture, Biotechnology (qPCR), Immunoassays (ELISA, ELISPOT).

Language: Indonesian, English (TOEFL ITP: 593, Duolingo English Test: 125)

Soft skills: Organization Skills, Problem Solving, Data Analysis (Minitab), Critical Thinking