

MONITA LITANIA KOSWANDY

Bogor, West Java | +62 881-011-702-522 | monitalitania030503@gmail.com | [linkedin.com/in/monita-litania](https://www.linkedin.com/in/monita-litania)

PROFESSIONAL SUMMARY

Biochemistry graduate with hands-on laboratory experience in quality control testing for food, cosmetic, and pharmaceutical products at a Labkesda Jakarta, complemented by research experience in bioinformatics and molecular data analysis. Proficient in RT-PCR, HPLC, UV-Vis spectrophotometry, gel electrophoresis, and contaminant detection methods (borax, formalin, mercury, hydroquinone) under Good Laboratory Practice (GLP) and Laboratory Occupational Health & Safety (K3) standards. Strong analytical problem solving, laboratory documentation, and quality compliance skills, paired with proven leadership and event/project coordination experience across academic, research, and organizational settings. Seeking to contribute to a QC/QA, laboratory Analyst, or research based role.

EDUCATION

Bachelor of Science in Biochemistry

Aug 2021 – Dec 2025

Institut Pertanian Bogor (IPB University), Bogor, Indonesia

GPA 3.45 / 4.00

- Relevant coursework: Molecular Biology, Microbiology, Analytical Chemistry, Bioinformatics
- Teaching Assistant, Nucleic Acid Engineering Practicum

Senior High School, Natural Science

Jul 2018 – May 2021

SMAN 2 Cikarang Selatan, Bekasi, Indonesia

Final Score 90.15 / 100.00

CERTIFICATIONS

- **Good Laboratory Practice (GLP)** Jun 2024
Advanced Research Laboratory of IPB University
- **Laboratory Occupational Health & Safety (K3)** Jun 2024
Advanced Research Laboratory of IPB University
- **Good Manufacturing Practices (GMP)** Aug 2026
Badan Standardisasi Nasional
- **Cara Produksi Pangan Olahan yang Baik (CPPOB)** Aug 2026
Badan Standardisasi Nasional

WORK EXPERIENCE

Quality Control Analyst Intern

Jun 2023 – Oct 2023

Laboratorium Kesehatan Daerah (Labkesda) DKI Jakarta, Jakarta Pusat, Indonesia

- Performed food safety testing for borax, formalin, and synthetic dyes using standardized analytical methods, analyzing more than 150 samples for safety compliance and contaminant detection
- Conducted cosmetic product analysis to detect mercury and hydroquinone in compliance with regulatory standards, identifying hazardous compounds in more than 150 samples
- Executed halal and non-halal product testing, identifying more than 50 non-compliant substances to support product compliance verification
- Operated analytical instruments, including RT-PCR, HPLC, and UV-Vis spectrophotometry, in accordance with GLP guidelines
- Maintained accurate laboratory documentation, sample tracking, and data recording in accordance with quality control procedures
- Collaborated with laboratory analysts to ensure testing accuracy and timely reporting, consistently adhering to GLP and K3 standards

Event Organizer, Bimbingan Teknis Nasional

Oct 2025

Badan Gizi Nasional (BGN), Indonesia

- Coordinated end-to-end event logistics and on-site execution for a national-scale government technical training program
- Managed cross-team scheduling and on-the-ground problem-solving to ensure smooth program delivery
- Liaised with government stakeholders and vendors to meet program requirements and timelines

Co-Founder

Apr 2025 – Present

Edge Production, Bogor, Indonesia

- Co-founded and managed event operations, including sound system rental, entertainment services, and end-to-end event coordination
- Coordinated with clients to deliver customized event solutions and oversaw team scheduling, logistics, and on-site execution
- Resolved operational issues in real time during live events to maintain consistent service quality

RESEARCH EXPERIENCE

Research Assistant

Jul 2024 – Feb 2025

IPB University, Bogor, Indonesia

Topic “Metagenomic Analysis of Fungal Diversity Communities in Mangrove Soil of Rawa Aopa Watumohai National Park, Southeast Sulawesi”

- Performed DNA extraction and sample preparation for amplicon sequencing to evaluate fungal community diversity in mangrove ecosystems
- Conducted bioinformatics analysis using RStudio, PICRUST2, and Galaxy to analyze microbial diversity and interpret ecological patterns
- Applied data analysis and scientific reporting to present research findings
- Gained collaborative research exposure through engagement with international institutions (NUS and YSDS)

LEADERSHIP & ORGANIZATIONAL EXPERIENCE

Head of Event Division — IPB University Christmas Celebration

Jul 2024 – Feb 2025

- Coordinated planning, logistics, and execution of a multi-unit university event, leading collaboration among multiple student religious organizations

Head of Health Subdivision — SPIRIT (Faculty Sports & Arts Competition)

Aug – Sep 2023

- Supervised health and safety protocols and managed scheduling of health personnel to ensure participant safety throughout event activities

Secretary of Health Division — IPB CUP (National Inter-University Competition)

Jul – Nov 2023

- Handled official correspondence and documentation; coordinated with medical staff to support athlete health services and logistics reporting

Secretary-Treasurer of Health Division — MPKMB IPB University

Apr – Aug 2022

- Documented health operations and assisted in first-aid logistics and health support coordination during student orientation activities

Head of DMS Subdivision — National Science Fair IPB University

Jun – Nov 2022

- Managed internal communications, digital media systems, and division reporting for a national-scale high school science competition

Staff of Disciplinary Commission — GCTB (Get Closer to Biochemistry)

Jun – Aug 2022

- Ensured compliance with orientation regulations and maintained discipline among new students throughout the departmental orientation program.

President of Student Council (OSIS) — SMAN 2 Cikarang Selatan

Feb 2020 – Feb 2021

- Led and coordinated student organization activities across multiple divisions and represented the student body in official meetings with school management

Teaching & Curriculum Division — Kejar Kebajikan Community

Apr 2020 – Jan 2024

- Developed learning materials and taught underprivileged children; supported blood donation drives, charity events, and community outreach initiatives

COMPETENCIES

Laboratory Techniques: RT-PCR, HPLC, gel electrophoresis, UV-Vis & NanoDrop spectrophotometry, DNA extraction, amplicon sequencing, contaminant detection (borax, formalin, mercury, hydroquinone)

Quality & Compliance: Good Laboratory Practice (GLP), Laboratory Occupational Health & Safety (K3), laboratory documentation, sample tracking, quality control procedures, regulatory compliance testing

Bioinformatics & Software: RStudio, PICRUST2, UseGalaxy, microbial/metagenomic data analysis; Microsoft Word, Excel, PowerPoint

Soft Skills: Leadership, event & project coordination, communication, teamwork, adaptability, time management, problem-solving, ability to work under pressure

Languages: Indonesian (native), English (professional working proficiency)

ADDITIONAL INFORMATION

- Public Speaker and Master of Ceremony (MC) for academic, organizational, and community events