

RADEN MUHAMMAD RIZQI ADITYA RACHMAN

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Manjahlega, Rancasari, Bandung | DOB: 30/12/2003

Biology graduate from Institut Teknologi Bandung with hands-on experience in GMP-regulated bioprocessing and quality-focused food & beverage product development. Experienced in quality documentation, IPC, root cause analysis, traceability, HACCP, quality objectives, and quality improvement, with a strong foundation in laboratory operations and data analysis. Demonstrated leadership in developing structured programs and organizational frameworks through cross-functional collaboration and evidence-based improvement.

Education

Institut Teknologi Bandung  - Bandung

Sep 2021 - Apr 2026

Bachelor of Science (Biology), 3.47/4.00

- Relevant academic exposure: laboratory-based biological research in the microbiology and molecular biology area, ecological fieldwork, experimental design, scientific data analysis, and laboratory practical activities.
- Appointed as laboratory teaching assistant for 3 courses: Project Ecology, Behavioral Biology, and Animal Development

Professional & Project Experiences

PT Bio Farma (Persero) - Bandung, Indonesia

Jun 2024 - Aug 2024

Life Sciences Product Department Intern

- Supported upstream and downstream processes for final aqueous bulk HBsAg production for recombinant hepatitis B vaccine manufacturing under GMP and BSL-2 requirements.
- Performed bioprocess sampling and in-process control (IPC) testing using pH meter, conductivity meter, and spectrophotometer to monitor pH, conductivity, cell density (OD600), and protein purity (A280/A260).
- Performed calibration checks of pH meters, conductivity meters, and spectrophotometers and operated high-pressure homogenizer and continuous centrifuge according to established procedures.
- Completed batch record documentation based on executed process activities and supported equipment cleaning and sanitization, including CIP and SIP for fermenter and homogenizer equipment.
- Analyzed bioprocess data using Excel and R to evaluate relationships between homogenization pressure and process parameters, generating insights for further process investigation.

Mindo Intensive Bootcamp Level Up - Bandung (Online)

Jun 2026

Food and Beverage Product Development Project Quality Coordinator

- Served as Quality Coordinator in a cross-functional Quality and R&D team developing a packaged tea beverage with a less-sugar claim in response to customer complaints and target-market opportunities.
- Conducted root cause analysis (RCA) using fishbone and backward/forward traceability to investigate issues related to regulatory compliance, packaging integrity, product quality, and product safety.
- Developed quality improvement recommendations through risk assessment, quality objectives, quality control points (QCP), HACCP planning, incoming material control, process monitoring, and complaint handling.
- Contributed to product development through prototype packaging, HPP calculation, risk assessment, quality objectives, and QCP development; received Best Product Development and Best Teamwork awards.

Organizational Experience

Himpunan Mahasiswa Biologi "Nymphaea" ITB - Bandung, Indonesia

Apr 2024 - Apr 2025

Head of Human Resource Development

- Led the Member Development Division in managing member recruitment, orientation, training, and performance development programs, coordinating team members and program execution throughout a one-year term.
- Led the development and revision of the organization's Rancangan Strategis Kaderisasi (RSK) with division members and the DPA, establishing clearer membership levels, general and technical member profiles, and advancement criteria aligned with organizational needs and member development.
- Developed Terms of Reference (TORs) for leadership training (LKO) and committee development programs, translating program objectives and organizational needs into structured implementation guidelines.
- Designed and implemented member development and leadership training systems, achieving 100% completion of 16 strategic key

results and approximately 99% participation in leadership training programs.

Hard Skills & Language

- **Training & Certification** 🌐 (2026): Mindo Intensive Bootcamp Level Up: Quality Department Batch 18
- **Quality & Food Safety**: QA/QC Operations, Food Safety Management System (ISO 22000:2018), Food Analysis, GMP, GLP, HACCP, VACCP, TACCP, 7 Tools of QC, Traceability, Sampling & Inspection, Quality Objectives, QCP, Internal Audit (ISO 19011:2018), Complaint Handling, BPOM/SNI/Halal (SJH-SJPH) Requirements
- **Documentation & System**: Batch Record Documentation, SOP Adherence, Quality Documentation, Process Monitoring, Incoming Material Inspection, Supplier Verification & Qualification, Program & Framework Development
- **Laboratory & Process**: Bioprocess Sampling, IPC Testing, pH Measurement, Conductivity Measurement, OD600, Protein Purity Analysis (A280/A260), Calibration Checks, CIP/SIP, Laboratory Equipment Handling
- **Languages**: Indonesian (Native), English (Professional Working Proficiency), Japanese (Beginner)
- **Equipment & Software**: pH Meter, Conductivity Meter, UV-Vis Spectrophotometer, High-Pressure Homogenizer, Continuous Centrifuge, Microscope, Microbiology Plating, Microsoft Excel, R Programming, SPSS