

IVAN REINALDO

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Jakarta, Indonesia

SUMMARY

Biotechnology graduate with a GPA of 3.74 and hands-on experience in quality control and laboratory research across poultry feed, dairy, and biotechnology environments. Experienced in raw material inspection, production quality monitoring, finished product testing, proximate analysis, microbiological testing, and laboratory data evaluation. Skilled in microalgae cultivation, bioactive compound extraction, LC-HRMS sample preparation, and phytochemical profiling using MZmine, with familiarity in aseptic techniques, spectrophotometry, centrifugation, and laboratory equipment operation. Detail-oriented, analytical, and adaptable, with the ability to apply scientific methods, interpret laboratory data, and maintain accuracy throughout testing and research processes.

WORK AND INTERNSHIP EXPERIENCE

National Research and Innovation Agency (BRIN) | Bogor, West Java, Indonesia

Oct 2025 – Jun 2026

Final Project Research / Research Intern

- Conducted microalgae cultivation and crude bioactive compound extraction to investigate the antidiabetic potential of *Porphyridium purpureum*.
- Prepared samples for LC-HRMS analysis and processed phytochemical data using MZmine, covering preprocessing, peak alignment, compound annotation, and identification.
- Analyzed the relationship between light intensity, metabolite profiles, and antidiabetic activity, generating research findings on the bioactivity of microalgae extracts.
- Conducted research independently under professor supervision while collaborating with the research team in experimental activities and data analysis.
- Identified that the crude microalgae extract demonstrated antidiabetic activity, providing findings for further bioactive compound investigation.

Satria Livestock Farmer's Cooperative | Banyumas, Central Java, Indonesia

Jan 2025

Quality Control

- Conducted quality control testing on approximately 3–4 fresh milk samples per testing session, covering storage age, bacterial content, and acidity levels.
- Performed laboratory analysis and evaluated milk quality based on established testing procedures and product quality parameters.
- Recorded, analyzed, and documented test results to support fresh milk quality assessment and monitoring.

PT Japfa Comfeed Indonesia Tbk | Sragen, Central Java, Indonesia

Jun 2024 – Aug 2024

Quality Control

- Performed end-to-end quality control covering incoming raw materials, stock control, production monitoring, and finished poultry feed testing.
- Conducted quality testing on 4 finished poultry feed products through laboratory analysis.
- Performed proximate analysis for carbohydrate, protein, lipid, ash, and fiber content.
- Used laboratory equipment including oven, water bath, muffle furnace, and acid-base titration for product quality analysis.

EDUCATION

DIPONEGORO UNIVERSITY — Semarang, Indonesia

2022 – 2026

Bachelor's Degree in Biotechnology | GPA: 3.74

- Thesis: Analysis of Light Intensity Effect on Metabolite Compound and Antidiabetic Activity of Red Microalgae *Porphyridium purpureum* Methanolic Extract

ORGANIZATIONAL EXPERIENCE

Biology Students' Association

Junior & Senior Staff, Economy Division

- Collaborated across divisions and served as Head of Committee for the Short Entrepreneur Course, including an entrepreneurship seminar and bazaar.

Catholic Students Association, Faculty of Science and Mathematics

Junior Staff & Vice Head, Social and Media Division

- Supported weekly activities, organized charity programs, and managed organizational social media content.

SKILLS AND COMPETENCIES

Soft Skill	: Attention to Detail, Accuracy, Analytical Thinking, Problem Solving, Time Management, Communication, Teamwork, Adaptability.
Toolset	: Microsoft Office (Word, Excel, Powerpoint), Google Workspace (Docs, Sheet, Slides), MZmine, LC-HRMS, Spectrophotometer, Centrifuge, Oven, Water Bath, Muffle Furnace
Competencies	: Quality Control, Laboratory Testing, Microbiological Analysis, Proximate Analysis, Raw Material Inspection, Finished Product Testing, Microalgae Cultivation, Bioactive Compound Extraction, Phytochemical Profiling, Laboratory Data Analysis.
Language	: Indonesian: Native Proficiency – oral and written. English: Intermediate Working Proficiency – oral and written.