

RIVANA ANGELICA

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SUMMARY

Chemistry graduate from Universitas Indonesia with hands-on experience in Quality Control and analytical laboratory testing, including physicochemical and instrumental analysis, method validation, and stability testing. Experienced in handling raw materials and finished products, and applying standardized laboratory procedures to ensure accurate and reliable results. Seeking to contribute to pharmaceutical Quality Control and Analytical Laboratory Operations.

EDUCATION

Universitas Indonesia

Depok, Indonesia

Aug 2021 - Aug 2025

Bachelor of Chemistry | GPA: 3.56/4.00

Relevant Coursework: Analytical Chemistry; Organic Chemistry; Biochemistry; Instrumental Analysis; Industrial Chemistry; Surface Chemistry.

Undergraduate Thesis

- Title: "Optimization of Keratin Extraction from Chicken Feather Waste Using Ultrasound - Assisted Extraction (UAE) with the Ionic Liquid 1-Butyl-3-Methylimidazolium Acetate and Sodium Sulfite"
- Optimized a sustainable keratin extraction method, increasing keratin yield by 81.39%. Characterized keratin using FTIR, TGA, and SDS-PAGE.

WORK EXPERIENCE

PT. Mustika Ratu Tbk

Quality Control Analyst Intern

Nov 2025 - May 2026

- Executed physicochemical and analytical testing on 20+ chemical raw material and finished product samples per batch, including pH, viscosity, specific gravity, and acid value.
- Determined flavonoid content in traditional medicine products using UV-Vis spectrophotometry and carried out hardness and loss on drying testing.
- Inspected packaging and labeling verification, as well as performed stability testing for 10+ new product development samples to ensure compliance with quality standards.
- Developed and validated a sodium ascorbate assay method, supporting analytical accuracy, reliability, and method performance.

Department of Chemistry, Universitas Indonesia

Laboratory Teaching Assistant - EDP & Analytical Chemistry

Feb 2025 - Jun 2025

- Supervised 80+ undergraduate students during analytical chemistry laboratory sessions, ensuring adherence to laboratory procedures and safety protocols.
- Guided student in analytical procedures, experimental data analysis, and laboratory report preparation.

Pertamina Research and Technology Innovation

Laboratory Analyst Intern - Crude, Fuel and Feedstock (CFF) Laboratory

Sep 2024 - Jan 2025

- Performed physicochemical testing of crude oil, fuel, and feedstock samples to evaluate product quality.
- Executed 20+ ASTM standard methods, ensuring accurate and reproducible analytical results.

- Prepared samples, calibrated instruments, and managed laboratory inventory to support reliable laboratory operations.

Badan Riset dan Inovasi Nasional (BRIN)

Research Assistant Intern - Sustainable Industrial & Green Engineering Group Feb 2024 - Jul 2024

- Researched and analyzed baglog waste as a biosorbent for methylene blue dye removal through adsorption experiment using Response Surface Methodology.
- Conducted adsorption experiments and analyzed biosorbent characteristics using Boehm titration, pH_{pzc} determination, and UV-Vis analysis.

ORGANIZATIONAL & COMMITTEE EXPERIENCE

ISO Training UI

Head of Administration

Aug 2023 - Nov 2023

- Managed comprehensive documentation and administrative processes to ensure operational compliance and seamless event execution.
- Coordinated cross-functional administration for a 35 participant training program, contributing to a 3.53/4.00 participant satisfaction rating.

Chemistry Fair UI

Competition Coordinator II

May 2023 - Nov 2023

- Supervised 3 competition divisions consisting of 5 division heads and 7 staff members, ensuring smooth coordination and execution of competition programs.
- Developed comprehensive competition rulebooks and led nationwide outreach to 500+ high schools across Indonesia, attracting 463 participants to the competition series.

CERTIFICATION

Biorisk, Chemical Safety, Basic Laboratory Occupational Health and Safety

UPT K3L Universitas Indonesia

Sep 2022

ISO Training 9001:2015 Quality Management System

Catalyst Consulting

Nov 2023

Research and Development - Industry

Makin Ahli

Nov 2025

Safety & Quality - Industry

Ioda Academy

Aug 2026

ADDITIONAL

Analytical Instrument: UV-Vis Spectrophotometer, ICP-OES, FTIR, TGA, SDS-PAGE, HPLC, GC.

Analytical Techniques: pH, Viscosity, Specific Gravity, Titration, LOD, Karl Fischer.

Software: Minitab, Origin, Microsoft Office, Google Workspace.

Soft Skills : Analytical Thinking, Attention to Detail, Data Analysis, Communication, Teamwork.

Languages : Bahasa Indonesia (Native), English (Working Proficiency).