

NATASYA RIZKY AULIA

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Summary

Chemistry Graduate from Universitas Gadjah Mada with hands-on research and R&D internship experience at PT Kimia Farma Sungwun Pharmacopia and Technology Innovation, PT Pertamina (Persero). Proficient in laboratory experimentation, process optimization, materials characterization, and ASTM/SNI analytical testing. Certified in ISO/IEC 17025:2017 and GLP, with strong research and problem solving skills. Proven leadership in managing PPK Ormawa as a national scale events and securing Kemendikbud RI grant funding.

Education

Gadjah Mada University | *Sleman, Special Region of Yogyakarta, Indonesia*

August 2022 – July 2026

Chemistry (GPA: 3,39/4,00)

- **Undergraduate's Thesis:** Synthesis of Thioglycolic Acid Functionalized Silver Nanoparticles as a Sensing Agent for Colorimetric Detection of Hg^{2+} Ions
- **Undergraduate researcher at Laboratorium Penelitian dan Pengujian Terpadu (LPPT) UGM**, executing nanomaterial characterization via Particle Size Analyzer (PSA) and Zeta Potential Analysis.

Work Experience

Analytical Chemistry Laboratory UGM | *Sleman, Special Region of Yogyakarta, Indonesia*

Laboratory Assistant (February 2026 – June 2026)

- Assessed analytical chemistry laboratory reports submitted by 60 undergraduate students.
- Provided guidance and supervised laboratory sessions on heavy metal analysis in fertilizers using Atomic Absorption Spectroscopy (AAS).

PT Kimia Farma Sungwun Pharmacopia | *Cikarang, Bekasi, Indonesia*

Product and Process Development Intern (April 2025 – May 2025)

- Reviewed 20+ scientific articles and patents supporting active pharmaceutical ingredients (API) development.
- Evaluated laboratory scale Tenofovir Disoproxil Fumarate (TDF) synthesized from different raw material sources.
- Performed quality testing of TDF, including loss on drying (LOD) and water content analysis.
- Participated in the Indonesia Cosmetic Ingredients (ICI) 2025 Conference.

Technology Innovation, PT Pertamina (Persero) | *Cakung, East Jakarta, Indonesia*

Petrochemical & Petroleum Non-Fuel Research Intern (January 2025 – March 2025)

- Worked on project optimization of modified asphalt reactive elastomeric terpolymer (RET) and rubber asphalt.
- Evaluated physicochemical and rheological properties to assess asphalt quality and performance using ASTM and SNI standard methods (viscosity, density, penetration, softening point, and ductility).

Oranization & Comittee Experience

KKN-PM UGM Buru Basudara | *Pulau Buru, Maluku, Indonesia*

Sponsorship Team (June 2025 – September 2025)

- Prepared sponsorship proposals and secured support from 5 external partners for community empowerment programs.
- Coordinated sponsorship execution to support 39 community service programs.

BEM-KM FMIPA UGM | *Sleman, Special Region of Yogyakarta, Indonesia*

Directorate General of Pengembangan Desa Mitra (January 2024 – December 2024)

- Planned and executed 2 community empowerment programs in Desa Gayam, including liquid organic compost and taro based food processing.
- Facilitated sustainable waste management initiatives with village stakeholders and student volunteers, reaching 50+ residents.

Olimpiade Kimia Nasional | *Indonesia*

Event Team Coordinator (June 2024 – November 2024)

- Led a team of 10 members in planning and executing Olimpiade Kimia Nasional 2024.
- Managed task delegation and event preparation across the organizing team.
- Coordinated event operations, successfully accommodating 700+ participants.

PPSMB PIONIR UGM | *Sleman, Special Region of Yogyakarta, Indonesia*

Co-Fasilitator (March 2023 – August 2023)

- Mentored 47 Gadjah Mada Muda (Gamada) throughout the PPSMB Pionir orientation program.
- Served as a liaison between students and various internal and external stakeholders involved in the event.
- Handled administrative tasks before, during, and after the PPSMB Pionir activities.

Award

Second Runner-Up Samsung Galaxy Hackathon Idea Competition UGM (2025)

Program Penguatan Kapasitas Organisasi Kemahasiswaan (PPK ORMAWA) (2024)

Successfully secured funding from the Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi (Kemendikbud) Republik Indonesia through the PPK Ormawa program. Led the project titled “Pemberdayaan Masyarakat Melalui Pemanfaatan Limbah Kelapa Menjadi Briket, Cocopeat, dan Cocofiber untuk Mendukung Zero Waste dan Perekonomian Masyarakat Desa Trenten”.

Skill

Language: Indonesian (native); English (intermediate)

Speaker Experience: Speakers at IKASA Homecoming (Ikatan Alumni A Syifa Boarding School); Co-Fasilitator PPSMB PIONIR UGM

Training & Certifications:

- ISO/IEC 17025:2017 (Laboratory Management System) - Makin Ahli ([Sertifikat](#)) (2026)
- Good Laboratory Practice (GLP) - Makin Ahli ([Sertifikat](#)) (2026)

Technical Skills:

- Microsoft Office Suite (Word, Excel, PowerPoint, OneDrive, Outlook)
- Google Workspace (Docs, Sheets, Slides, Forms, Drive)
- Scientific Software (OriginPro, ChemDraw, ChemSketch)