

ARMITA PRATIWI NUR KHOLISSHA

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ABOUT ME

Bachelor of Chemistry, with hands-on experience as an assistant analyst internship. Skilled in operating a wide range of laboratory instruments and conducting analytical procedures. Beyond academic achievements, actively participated in various organizations and events that enhanced soft skills in communication, human resource, teamwork, problem-solving, and professionalism. Highly motivated and passionate about pursuing a career in energy fields, Oil&Gas, R&D, or related scientific fields. Seeking an opportunity to apply chemistry expertise and diverse skill set to contribute effectively within a professional environment.

WORK EXPERIENCES

PT. Pertamina (Persero) Technology & Innovation – Jakarta Timur, Indonesia December 2025 – July 2026

Assistant analyst of Material and Chemical Research (MCR) Laboratory (graduated internship)

- Prepared and injected chemical formulations (especially surfactants and alkalis) to improve oil recovery efficiency and enhance reservoir sweep performance. Monitored and evaluated Chemical EOR operations by analyzing injection parameters, production data, and chemical performance to optimize recovery processes.
- Conducted laboratory testing and quality control (based on Phase Behavior Test) on chemical solutions to ensure compliance with operational specifications and field requirements. Collaborated with reservoir, production, and process engineers to develop and implement Chemical EOR strategies aimed at maximizing oil production and minimizing operational risks.
- Prepared technical reports and documented field performance to support operational decision-making.

Analytical Laboratory FMIPA, UGM – Daerah Istimewa Yogyakarta, Indonesia February 2025 – June 2025

Assistant laboratory of UV-Vis Spectrophotometric Analysis of P and Cr (VI) for chemistry student on analytical laboratory

- Prepared standard calibration solutions and determined optimal analytical parameters, including maximum wavelength and complex stability time for Phosphorus and Chromium (VI) UV-Vis spectrophotometric analysis.
- Executed UV-Vis testing to quantify Phosphorus and Chromium (VI) concentrations in target samples based on optimized conditions, while evaluating the interference effects of Chromium (III) on Chromium (VI) determination.
- Guided undergraduate chemistry students (*praktikan*) in operating UV-Vis spectrophotometers, constructing calibration curves, calculating analyte concentrations, and understanding chemical interference in spectrophotometric measurements.

Analytical Laboratory FMIPA, UGM – Daerah Istimewa Yogyakarta, Indonesia August 2024 – December 2024

Assistant laboratory of Metal Analysis Practicum (Fe & Na) for chemistry student on analytical laboratory

- Conducted sample preparation for organic fertilizers and limestone using wet digestion (reflux system) and dry destruction (muffle furnace). Executed elemental analysis for Iron (Fe) and Sodium (Na) using Atomic Absorption Spectrometry (AAS) based on standard calibration curves.
- Quantified raw AAS absorbance data to calculate actual metal mass and percentage composition in target samples. Evaluated testing accuracy and precision by comparing analytical performance between wet and dry digestion techniques.
- Mentored undergraduate chemistry students on wet/dry digestion procedures, furnace and reflux equipment operation, and stoichiometric data processing while enforcing chemical laboratory safety protocols.

PT. Pertamina (Persero) Technology & Innovation – Jakarta Timur, Indonesia February 2024 – April 2024

Assistant analyst of Enhanced Oil Recovery (EOR) Laboratory (undergraduated internship)

- Quality management based on ISO 17025:2017 related to measurement uncertainty and evaluation of measurement uncertainty. Operated critical laboratory instruments, including UV-Vis spectrophotometer, pH meter, densitometer, and rheometer, for accurate chemical parameter analysis.
- Conducted water sample testing, including gravimetric measurements and acidimetric titration, for wastewater quality monitoring reports. Performed testing for method validation of solubility using gravimetric analysis.
- Learned polymer sample preparation methods, measured polymer sample flow rate, and studied IFT testing for surfactant samples using an automatic spinning drop instrument.

ORGANIZATIONAL EXPERIENCES

Staff of Human Resources Development – UGM, Yogyakarta, Indonesia November 2022 – December 2023

Dewan Energi Mahasiswa (DEM) UGM

- Managed human resources within the organization, ensuring effective regeneration processes with over 200+ registered members, and conducted performance evaluations to enhance the development and overall productivity of more than 140 staff members.

Staff and Treasurer of Human Resources Development – UGM, Yogyakarta, Indonesia November 2021 – November 2023

Keluarga Mahasiswa Kimia (KMK) 46 & 47 UGM

- Handled teamwork management, including overseeing internal relationship with each staff HRD Department of KMK UGM. Therefore, oversaw and coordinated the activities of multiple departments and divisions. In action, managed human resources within the organization, ensuring effective regeneration processes and conducting performance evaluations to enhance staff development and overall productivity.

Staff of Human Resources Development – UGM, Yogyakarta, Indonesia November 2022 – December 2023

Balai rung Klaten Association (Bklass) UGM

- Managed human resources within the organization, ensuring effective regeneration processes with over 100 registered members, and conducted performance evaluations to enhance the development and overall productivity of more than 60 staff members. Evaluated staff performance every six months through the Mid-Year Evaluation (ETT) and End-of-Year Evaluation (EAT) programs.

EDUCATION

Universitas Gadjah Mada – Bachelor of Science in Chemistry

August 2021 – July 2025

GPA: 3.67/4.00

- **Relevant Coursework:** Analytical Chemistry, Biochemistry, Environmental Chemistry, Inorganic and Material Chemistry, Industrial Chemistry Analysis, Energy, Oil & Gas, QC/QA in Industry, Research and Development, and Spectroscopic Methods.
- Actively participates in more than 10+ campus events, such as competitions, webinars, volunteering, and skill training managerial laboratory workshops.

ACHIEVEMENTS

Participant of International Paper Competition – Remote

September 2023

Issued by CIC 2023, Thammasat University, Thailand

- A participant and competitor in the scientific innovation and writing competition held by the Thammat University, Thailand, for event “Circular Innovation Challenge”. Demonstrated strong abilities in reasoning, creativity, idea development, analysis, and scientific writing.

Top 10 Finalist National Paper Competition – Remote

May 2023

Issued by BEM FBB Universitas Muhammadiyah Malang (UMM)

- Received recognition as a Top 10 finalist in the scientific writing competition held by UMM, carrying the theme “Optimizing the Role of Young Generations in Exploring the Agrocomplex Sector to Achieve the SDGs 2030.” Demonstrated strong abilities in reasoning, creativity, idea development, analysis, and scientific writing.

SKILLS & OTHERS

Soft skills: Communicative, detail-oriented, disciplined, capable of working both independently and in a team. Strong analytical thinking, critical thinking, problem solving, time management, adaptability, and creativity in task completion.

Hard skills: Proficient in OriginPro 9.0 for data characterizations interpretation, Ms. Office, Ms. Teams, Canva, etc.

Chemical skills: Capable of formulating surfactants, including ABS and ATS for Chemical EOR applications. Skilled in chemical and physical analysis, familiar with the principles and operation of laboratory instruments, including reactor, furnaces, UV-Vis spectrophotometer. Well-versed in ISO 9001, ISO 14001, ISO 17025, ISO 19011.

Certification: Internal Audit of Laboratory Management Systems ISO 17025:2017 based on ISO 19011:2018 – AhliLaboratorium (2025), Laboratory Management Training B (2024) and A (2021) from Universitas Gadjah Mada.

Project: Photocatalytic Degradation of Erythrosine B by $\text{TiO}_2/\text{Biochar}$ Okara-HCl activated (TBOH) Under UV Light Exposure.

Others: Characterizations of project material TBOH using FTIR, XRD, SEM-EDX, BET, SR-UV, also removal performance analysis was performed by UV-Vis Spectrophotometry. (2024 – 2025).