

WULAN AZIZAH MIFTAHUL JANAH

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Fresh graduate with a Bachelor's degree in Chemistry from Universitas Gadjah Mada and internship experience as a Chemical Analyst in an ISO/IEC 17025-accredited testing laboratory. Experienced in conducting chemical analysis and laboratory testing of various commodities, as well as sample preparation, laboratory procedures, analytical instruments, data processing, and test documentation. Supported by a strong understanding of analytical instrument principles through laboratory practicals during university studies. Detail-oriented, analytical, adaptable, and able to work independently as well as effectively in a team. Interested in pursuing a career in laboratory analysis.

Education

Universitas Gadjah Mada - Yogyakarta, Indonesia

Bachelor of Chemistry, 3.22/4.00

- Undergraduate Thesis

Thesis: Synthesis and Molecular Docking of Monoketone Curcumin Analog Compound from Cinnamaldehyde and 1-Methyl-4-Piperidone and Cytotoxicity Assay Against MCF-7 Breast Cancer Cells.

- Synthesized and characterized curcumin analog compounds through organic synthesis methods.
- Evaluated biological activity using in vitro cytotoxicity assays on MCF-7 breast cancer cells.
- Analyzed experimental data and molecular docking results to understand structure–activity relationship

Professional Experience

Balai Laboratorium Bea dan Cukai Jakarta - DKI Jakarta, Indonesia

Mar 2023 - Jun 2023

Chemical Analyst Intern

A government testing laboratory under the Directorate General of Customs and Excise, Ministry of Finance of Indonesia, providing chemical testing and laboratory analysis services under the ISO/IEC 17025 quality management system.

- Prepared samples using acid digestion, extraction, distillation, titration, and standard solution preparation to support laboratory analyses.
- Performed qualitative and quantitative analyses on more than 20 samples per week, including food and beverages, chemicals, textiles, and crude palm oil (CPO), using FTIR, GC-MS, GC, UV-Vis, and XRF in accordance with laboratory SOPs.
- Conducted physicochemical testing, including moisture and ash content analysis, as well as qualitative analyses of protein, fat, and starch.
- Accurately recorded and documented test results in laboratory logbooks and internship reports.

Organizational Experience

KKN-PPM UGM Periode IV, Unit Tidung, Kepulauan Seribu - DKI Jakarta, Indonesia

Dec 2023 - Feb 2024

Secretary

- Managed the program's operational administration, including official letters, activity proposals, sponsorship proposals, and final reports.
- Prepared meeting minutes, coordinated follow-up actions, and ensured the program ran on schedule.
- Coordinated with cross-divisional teams and external parties to ensure smooth field operations.

Sosmas Camp - Yogyakarta, Indonesia

Aug 2022 - Oct 2022

Treasurer

- Created a budget plan with the core management and all division heads.
- Managed a budget exceeding IDR 19 million, ensuring accurate financial documentation.
- Prepared a budget realization report and took full responsibility for financial management.

PPSMB UGM - Yogyakarta, Indonesia

Feb 2022 - Aug 2022

Co-Facilitator

- Mentored and guided 48 new students throughout the university orientation program, ensuring their understanding of the materials and smooth adaptation to the campus environment.
- Managed classroom learning activities by delivering orientation materials interactively, leading Focus Group Discussion (FGD) sessions, and facilitating ice-breaking activities to encourage active participation and teamwork.
- Collaborated with cross-functional committee members and lecturers to ensure the smooth execution of a large-scale program.

Unit Selam UGM - Yogyakarta, Indonesia

Feb 2022 - Dec 2022

Head of Public Relations

- Managed the organization's official communication channels, including WhatsApp, LINE, Gmail, and Instagram, to respond to inquiries, communicate internal and external information, and coordinate consistent information broadcasts.

- Coordinated information gathering, delegation, and post-event publication for members representing the organization at seven national forums and exhibitions, including Rakernas & Jamnas FoPMI, DXI 2022, and PPSMB UGM.
- Led and supervised public relations activities for seven major organizational events, including Diklatsar, Open Water Training, and Musyawarah Anggota, ensuring smooth communication and publication processes.

Training & Certifications

- **Laboratory Management** – Department of Chemistry UGM (2023)

Skills

- **Soft Skills:** Attention to Detail, Communication & Presentation, Cross-Functional Collaboration, Documentation & Reporting, Time Management
- **Hard Skills:** Chemical Analysis, Laboratory SOPs, Analytical Instruments, Laboratory Safety, Laboratory Documentation
- **Languages:** English (Intermediate), Indonesian (Native)
- **Software:** Microsoft Office, Google Workspace