

WULAN AMALIA

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Jati Agung, South Lampung, Lampung

SUMMARY

Chemistry graduate from Institut Teknologi Sumatera with hands-on experience in Quality Assurance, Quality Control, laboratory research, and microbiological testing. Skilled in media preparation, environmental swab sampling, moisture and salt content analysis, and laboratory quality monitoring. Experienced in operating analytical instruments such as UV-Vis Spectrophotometer, FTIR, and Refractometer, with proficiency in scientific data analysis using Microsoft Excel, OriginLab, and ChemDraw. Detail-oriented, analytical, and committed to maintaining high quality standards. Eager to contribute to Quality Assurance, Quality Control, Research & Development, and laboratory operations within the chemical, food, or pharmaceutical industries.

WORK EXPERIENCE

PT. Sugar Labinta - South Lampung **Sept - Dec 2019**

Quality Control Analyst - Intern

- Performed quality testing on 50–150 samples of raw materials, in-process products, and finished goods in accordance with internal quality standards.
- Conducted detailed chemical and physical analyses (moisture, pH, Brix, viscosity, color) using standard laboratory instruments.
- Prepared and submitted accurate daily documentation and reports with 100% compliance to internal quality standards and regulatory requirements.

Perumda Air Minum Way Rilau - Bandar Lampung **Jun - Sept 2024**

Quality Control Analyst - Intern

- Conducted quality analysis on 40–60 daily water samples (raw water, process water, and final product) in accordance with drinking water standards.
- Tested key physical and chemical parameters (pH, turbidity, conductivity, residual chlorine, TDS) following standard laboratory procedures.
- Documented and reported analytical results accurately and on time to the Head of Quality Control, ensuring data accuracy and compliance.

Aug 2022 - May 2025

Institut Teknologi Sumatera - Prodi Kimia

Basic Chemistry Laboratory Assistant

- Supervised 80–120 students per semester and ensured 100% safety compliance throughout all practical sessions.
- Provided instruction on fundamental chemistry concepts, analytical techniques, and proper use of basic laboratory instruments.
- Guided students in performing standard tests, analyzing data, preparing laboratory reports, and supported the evaluation process with supervising lecturers.

Sumatera Institute of Technology – Cosmetic Engineering Study Program **Feb - Jun 2025**

Cosmetic Analysis Laboratory Assistant

- Led 10–12 practical sessions, explaining principles of active ingredients, pH, viscosity, and stability, while guiding students in standard tests and instrument operation.
- Directed and assisted students in performing standard analyses and operating specialized instruments used in cosmetic chemical testing.
- Ensured all sessions complied with SOPs and safety protocols, and supported students in data analysis, report preparation, and evaluation processes with supervising lecturers.

Separation Engineering Laboratory Assistant

- Guided 20 students divided into 2 groups across 8 practical sessions covering separation techniques such as extraction, chromatography, distillation, and others.
- Provided structured explanations on laboratory instrument operation and ensured all activities adhered to SOPs and safety standards.
- Assisted students in result analysis, practical report preparation, and coordinated the evaluation process with supervising lecturers.

PT. Bumi Menara Internusa

Jan - Now

Quality Assurance Laboratory Analyst

- Prepared 500+ microbiological media daily to support quality and food safety testing of seafood products, including fish, shrimp, scallops, and crab, in compliance with laboratory SOPs and food safety standards.
- Conducted 30–40 daily swab samplings of production equipment and processing areas to monitor hygiene, sanitation effectiveness, and quality control programs.
- Analyzed 40–60 raw material and seafood product samples daily for moisture and salt content, while ensuring proper sanitation and sterilization of laboratory equipment to maintain testing accuracy.

EDUCATION

Bachelor of Science

Sept 2021 - Aug 2025

Sumatera Institute of Technology

- Bachelor of Science in Chemistry, GPA : 3.18/4.00
- Thesis : Synthesis of Deep Eutectic Solvent (DES) Based on Glycerol and Propylene Glycol as a Medium For Anthocyanin Extraction From Senduduk Flowers (*Melastoma* sp.).

ORGANIZATION

Chemistry Student Association Sumatera Institute of Technology (HMK ITERA)

Sept 2023 - Aug 2024

Head of Entrepreneurship Division

- Led and coordinated all programs within the Entrepreneurship Division, managing a 7-member team.
- Initiated the development and marketing of student entrepreneurship products, generating 80–90% of the association's annual operational budget and driving organizational financial independence.
- Developed business strategies and evaluation reports, and collaborated with 3+ external partners to execute campus events and creative economy activities.

CERTIFICATIONS & TRAINING

- National Standardization Agency of Indonesia (BSN)-Good Manufacturing Practices (GMP) & CPPOB Certification
- National Standardization Agency of Indonesia (BSN) – Certification on the Implementation of SNI ISO/IEC 17025:2017 Based on SNI ISO 45001:2018
- National Standardization Agency of Indonesia (BSN) – Occupational Health & Safety Management System (K3) Certification
- Teman Group Indonesia (TemanLab) – Food Safety Training: Food Handling & Food Poisoning Prevention
- Teman Group Indonesia (TemanLab) – Chemistry & Cosmetic Formulation Training

SKILLS

- **Laboratory & Quality:** Chemical, microbiological, and physical analysis, microbiological media preparation, operation of laboratory instruments (UV-Vis, FTIR, HPLC), Quality Assurance (QA), SOP and Good Laboratory Practice (GLP).
- **Software & Data Analysis:** Microsoft Excel, Word, PowerPoint, OriginLab, ChemDraw, Mendeley, Google Workspace, Canva.
- **Professional Skills:** Communication, teamwork, time management, problem-solving, and critical thinking.
- **Languages:** Indonesian (Native), English (Intermediate), Korean (Basic).