



MARIANA LUPITA SIGALINGGING

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PROFESSIONAL SUMMARY

Chemistry graduate with hands-on experience in quality assurance, quality control, and laboratory analysis within the food and beverage industry. Skilled in chemical and microbiological testing, including titration, gravimetric methods, and microbial analysis. Experienced in ensuring product quality through SOP implementation, monitoring critical control points (CCPs), and managing laboratory documentation such as Certificates of Analysis (CoA).

EDUCATION

University of Lampung - Indonesia

Sept 2025

Bachelor of Chemistry

Thesis : Synthesis, Characterization (UV-Vis, FTIR, NMR) and Antiproliferative Test of Dibutyltin(IV) Di-(3-Nitrobenzoate) and Dibutyltin(IV) Dibenzoate Compounds against Michigan Cancer Foundation-7 (MCF-7) Breast Cancer Cells

GPA: 3.54/4.00

WORK EXPERIENCES

PT Global International Foods – Tangerang, Indonesia

Laboratory Analyst

Jan 2026 – Present

- Conduct chemical analysis, including salt content using argentometric titration and moisture content using gravimetric methods.
- Perform microbiological analysis on finished products (TPC, yeast & mold, Salmonella, E. coli).
- Conduct water quality testing (TPC, yeast & mold, E. coli) to ensure safety standards.
- Perform environmental monitoring through swab tests on production equipment and personnel.
- Conduct allergen swab testing on production machinery.
- Prepare daily laboratory reports, test reports, and Certificates of Analysis (CoA).
- Support laboratory instrument preparation, calibration, and maintenance.

PT Global International Foods – Tangerang, Indonesia

Dec 2025 – Jan 2026

Quality Control (QC)

- Monitored production processes to ensure compliance with SOP and quality standards.
- Maintain hygiene during the production process
- Supervised critical control points (CCPs) during production.
- Identified and handled non-conforming products with appropriate corrective actions.
- Prepared daily reports on production findings and deviations.

PT Global International Foods – Tangerang, Indonesia

Quality Assurance (QA)

Nov – Dec 2025

- Conducted internal audits related to food safety and quality systems.
- Assisted in preparing and maintaining food safety documentation.
- Managed customer complaints and supported corrective action processes.
- Delivered training sessions to employees on quality and safety procedures.

University of Lampung - Bandar Lampung, Indonesia

Sept – Dec 2024

Basic Chemistry Laboratory Assistant

- Prepared and stored 15+ reagents to complete different experiment every week.
- Mentored a batch of 12 students on basic analytical techniques including titrations, preparation, electroplating.
- Practiced and explained basic chemistry topics (chemical reactions, preparation, saponification, electroplating, extraction, etc.)
- Ensure research runs safely with a 99% error free.
- Assigning assignments and recording student grades.

Inorganic Chemistry Laboratory Assistant

Feb – Jun 2024

- Prepared, synthesized and stored reagents inorganic compounds and metal complexes.
 - Mentored a batch of 12 students on analytical techniques including titrations, spectroscopy UV-Vis, gravimetry
 - Practiced and explained inorganic chemistry topics (complex compounds, metals, compound synthesis, photochemistry, etc.)
 - Ensure research runs safely with a 99% error free.
 - Assigning assignments and recording student grades.
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ORGANIZATION

PMKRI Cab. B. Lampung

Oct 2023 - Nov 2024

Presidium Hubungan Perguruan Tinggi

- Be a speaker and moderator in discussion activities.
 - Reviewing current educational issues around the Bandar Lampung campus and helping resolve them.
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CERTIFICATION

Basic AAS, HPLC, GC-MS, RT-PCR, GMP, HACCP, ISO 22000:2018, FSSC 22000, Quality Assurance (QA), Quality Control (QC).

ADDITIONAL INFORMATION

Skills : Laboratorium skills, chemical analysis, public speaking, teamwork, problem solving, and time management.

Tools: Chemdraw, Avogadro, Excel, Word, and PPT.

Language: Indonesia and English.