

BELLA CINTYA

ANALYTICAL DEVELOPMENT ANALYST

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Fresh Chemistry graduate from Universitas Islam Negeri Walisongo Semarang with knowledge and understanding of chemistry gained through theoretical and practical coursework, complemented by internship experience and a thesis research project. Skilled in chemical analysis, formulation development, sample quality testing, and UV-Vis spectrophotometer operation, with the ability to interpret FTIR, GC-MS, and PSA data. Experienced in analyzing and processing research data using OriginLab, ChemSketch, and Microsoft Office. Able to work independently and collaboratively, with analytical thinking, problem-solving skills, and a strong willingness to learn. Interested in contributing as an Analytical Development Analyst in analytical method development and product quality evaluation.

EDUCATION

Universitas Islam Negeri Walisongo Semarang

2022 - 2026

Bachelor of Science in Chemistry

GPA: 3.79/4.00 (Cum Laude)

EXPERIENCE

PT. SUCOFINDO (PERSERO)

January 2025 - February 2025

Laboratory Analyst Intern

- Prepared and analyzed water samples (drinking water, wastewater, and hemodialysis water), as well as food products and industrial chemical materials, in accordance with Indonesian National Standards (SNI).
- Conducted physical and chemical parameter testing using UV-Vis spectrophotometers, pH meters, turbidimeters, and titration techniques in compliance with laboratory SOPs and Occupational Health and Safety (OHS) procedures.
- Processed test results and systematically prepared Laboratory Analysis Reports

THESIS RESEARCH PROJECT

January 2026 - June 2026

Thesis : Preparation and Characterization of Hesperidin Nanoemulsion Formulation

- Developed a hesperidin nanoemulsion formulation to meet standards based on the literature.
- Analyzed the particle size of the nanoemulsion formulation using a Particle Size Analyzer (PSA) and evaluated its physical stability through centrifugation testing.
- Evaluated the in vitro release profile using the dialysis bag method and a UV-Vis spectrophotometer.
- Processed test data to evaluate formulation efficiency, stability, and drug release performance.

INTERNATIONAL CONFERENCE PRESENTER

August 2026

The 4th Conference on Sustainable Chemistry and Industry (CoSCI) - Universitas Airlangga

Presented research on "Preparation and Characterization of Hesperidin Nanoemulsion Formulation"

TRAINING & CERTIFICATION

Pendamping Proses Produk Halal (Halal Product Process Companion)

February 13 - March 10, 2024

Walisongo Halal Center – Lembaga Pendamping Proses Produk Halal (LP3H)

Food Safety Masterclass: Implementation ISO 22000:2018 for F&B Industry

5 September 2026

Binus University

SKILLS

Technical : Chemical Analysis & Laboratory Testing, Sample Preparation, UV-Vis Spectrophotometer Operation, Research Data Processing & Analysis using ChemSketch, OriginLab, Microsoft Office (Word, Excel, PowerPoint), Laboratory Documentation & Reporting

Interpersonal: Problem-Solving, Teamwork, Communication, Time Management, Adaptability, Attention to detail, and Analytical thinking.

Languages: Indonesian (Fluent), English (Intermediate) — TOEFL ITP: 467