

KHUSNUL ERGINA RESWARI

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Central Java, Indonesia | Open to Relocate

Detail-oriented Bachelor of Pharmacy graduate from Universitas Sebelas Maret with a strong analytical background in physicochemical testing, instrument handling, and technical documentation. Completed foundational training in Quality Assurance and CPOB. Experienced in sample preparation and laboratory analysis using HPLC, ATR-FTIR, UV-Visible Spectrophotometry, AAS, TLC, titration, gravimetry, and antimicrobial activity testing. Demonstrated strong data evaluation skills through laboratory activities and research involving FTIR characterization and 2² Factorial Design.

Education

Universitas Sebelas Maret – Surakarta	2022-2026
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Bachelor of Pharmacy, 3.61/4.00

- **Final Project:** Karakterisasi dan Optimasi Hidrogel dengan Variasi Konsentrasi Kalsium dan Alginat Secara Fourier Transform Infrared Spectroscopy Menggunakan 2² Factorial Design.

Training

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- Head of Regulatory Affairs, [Latih](#), 2026.
 - Quality Assurance in Pharmaceutical Industry, [Makin Ahli](#), 2026.
 - Cara Pembuatan Obat yang Baik, [Makin Ahli](#), 2026.

Core Competencies & Technical Skills

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- **Laboratory & Analytical Skills:** Antimicrobial Activity Testing, pH Measurement (pH Meter), Hands-on testing (UV-Visible Spectrophotometry, TLC, Titrimetry, Gravimetry, Ex-Vivo Diffusion), Sample Preparation (for HPLC, AAS, and ATR-FTIR), Instrument Handling.
 - **Documentation & Data Analysis:** Technical Report Writing, Interpretation of Experimental Data, Absorption Spectra, Calibration Curve, Chromatograms.
 - **Research & Evaluation:** FTIR Characterization, 2² Factorial Design, Laboratory Trials, Scientific Literature Review
 - **Software & Tools:** Microsoft Excel (VLOOKUP, HLOOKUP, Index Match), Microsoft Word, Microsoft PowerPoint, Design-Expert, OriginPro, GraphPad Prism, Canva.

Laboratory Experiences

Laboratory Assistant – Universitas Sebelas Maret	Aug 2024 – Jul 2026
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- Guided 20+ undergraduate students per practical session in pharmaceutical laboratory activities, ensuring proper experimental procedures, instrument handling, and data recording.
- Assisted students in analytical data interpretation, result evaluation, and laboratory report preparation.

Selected Laboratory Courses:

- **Pharmaceutical Dosage Form Analysis (Feb – Jun 2026):** Supported analysis of pharmaceutical and cosmetic samples, including vitamin C and rhodamine B testing using HPLC, TLC, titration, and UV-Visible Spectrophotometry.
- **Biopharmaceutics (Feb – Jun 2026):** Assisted drug permeability evaluation using in situ intestinal perfusion and ex vivo Franz diffusion methods.
- **Secondary Metabolites (Feb – Jun 2026):** Guided analysis of curcumin and terpenoid compounds using TLC-Densitometry and assisted analytical result interpretation.
- **Pharmaceutical Analysis (Aug – Dec 2025):** Supported analysis of vitamin C formulations and iron (Fe) content in cosmetic products using UV-Visible Spectrophotometry, TLC, titration, and AAS.

- **Basic Pharmaceutical Analysis (Feb – Jun 2025):** Assisted students in classical analytical methods including acid-base titration, redox titration, precipitation titration, and gravimetric analysis (precision mass weighing).
- **Analytical Chemistry II (Aug – Dec 2024):** Supported instrumental analysis of zinc (Zn) tablet samples using AAS and paracetamol tablet samples using UV-Visible Spectrophotometry.

Pengabdian Kepada Masyarakat Hibah Riset Grup (PKM-HGR UNS)

2025

Project: Pengembangan Sampo Herbal Antiketombe Berbasis Jahe dan Pandan Wangi untuk Peningkatan Kualitas Kulit Kepala Masyarakat di Dusun Kepuhsari, Kelurahan Mojosongo, Kecamatan Jebres, Kota Surakarta

- Participated in the development of a herbal anti-dandruff shampoo formulation using natural ingredients and assisted in project implementation, documentation, and preparation of evaluation reports.
- Delivered community health education and promoted personal hygiene and proper product use to approximately 100 local residents.
- **Achievement:** Co-authored a research publication in [Kacaneegara Jurnal Pengabdian Pada Masyarakat](#) (Sinta 4-indexed journal).

Program Kreativitas Mahasiswa Riset Eksata (PKM-RE)

2024

Project: Alginate/Collagen Hydrogel Containing Calcium from Eggshell Waste as a Potential Diabetic Foot Ulcer Wound Dressing

- Conducted literature reviews, laboratory experiments, and data analysis to support hydrogel formulation development.
- Contributed to the characterization and evaluation of hydrogel properties for wound dressing applications.
- **Achievement:** Co-authored a research publication in [Materials Today Communications](#) (Scopus Q1-indexed journal).

Other Professional Experiences

Apotek Kharisma - Klaten

May – Aug 2026

Pharmacy Assistant

- Managed arrangement and storage of 250+ pharmaceutical products, ensuring compliance with proper storage requirements and standard operational procedures.
- Executed stock opname and invoice management to maintain inventory accuracy and support administrative documentation.

Apotek Kinan Sehat - Surakarta

Jan – Mar 2026

Pharmacy Assistant

- Monitored inventory levels and managed the arrangement of 100+ pharmaceutical products to maintain organized stock management.
- Assisted invoice administration and maintained documentation related to pharmacy operations.

Apotek Sebelas Maret - Surakarta

Nov 2025

Pharmacy Assistant Internship

- Supported prescription screening, compounding, labeling, and dispensing of 20+ prescriptions per day under pharmacist supervision.
- Delivered patient information services and maintained pharmaceutical service documentation according to pharmacy workflows.

Apotek MTA - Surakarta

Jan 2025

Pharmacy Assistant Internship

- Assisted in the preparation and dispensing of 50+ daily prescriptions while gaining direct exposure to pharmaceutical procurement.
- Learned and executed basic procedures for prescription and medication destruction, alongside inventory management tasks.

Organizational & Leadership Experiences

PKM Center UNS - Surakarta

Jan 2025 – Jan 2026

Research Facilitator

- Mentored more than 50 student teams in preparing PKM-RE proposals in accordance with official guidelines; assisted two funded PKM-RE teams through their preparation for the Pekan Ilmiah Nasional (PIMNAS).

HMF FMIPA UNS 2024 - Surakarta

Feb – Dec 2024

Head of Divisi Pendidikan dan Profesi

- Led the planning, development, and implementation of 7 programs and engaged 200+ participants throughout the one-year term.

PHARMACOPE UNS 2024 - Surakarta

Mar – Jul 2024

Project Leader

- Led the planning, organization, and execution of PHARMACOPE UNS 2024, successfully attracting 126 participants.
- Coordinated committee members, project timelines, and event implementation.