

RISCA MELIA WIDYANTI

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SUMMARY

Bachelor of Pharmacy Graduate with a strong research background in pharmaceutical formulation, extraction, and microencapsulation technology. Experienced in operating laboratory instrumentation (UV-Vis Spectrophotometer, Particle Size Analyzer, Spray Dryer) and managing end-to-end experimental data under standard GLP/CPOB-aligned protocols. Co-authored a Scopus Q2 journal publication in drug delivery optimization. Eager to contribute technical formulation and analytical skills to product development pipelines across pharmaceutical, cosmetic, and functional food sectors.

Bachelor of Pharmacy

2022 – 2026

Universitas Pakuan

GPA / IPK: 3.76 / 4.00

- Relevant coursework: Solid, Liquid & Semi-Solid Formulation Technology, Sterile Dosage Technology, Physical Pharmacy, Industrial Pharmacy, Biopharmaceutics & Pharmacokinetics
- Thesis: Formula Optimization of Africa Leaf Extract (*Vernonia amygdalina* Del) Microencapsulation Based on Stirring Speed Variations.
- Academic achievement: Cumlaude, co-author journal Q2

WORK EXPERIENCE

Research Assistant (Microencapsulation Project) — Research Lab, FMIPA UNPAK

June 2025 – January 2026

Bogor, Jawa Barat · Project Based

- Formulated and optimized herbal active ingredient microcapsules using spray drying and polymer matrix systems, achieving high entrapment efficiency and product yield.
- Conducted comprehensive physicochemical characterization, including Particle Size Distribution (PSA), Zeta Potential, moisture content, and dissolution/stability testing.
- Executed quantitative assay testing using UV-Vis Spectrophotometry and maintained strict GLP-compliant laboratory documentation (Logbook).

Assistant Lecturer — Universitas Pakuan

February 2026 – July 2026

Bogor, Jawa Barat · Part-time

- Mentored and supervised 80+ students across laboratory practicums in Physical Pharmacy, Pharmacognosy, and Clinical Pharmacokinetics.
- Reviewed and audited 80+ weekly laboratory reports, verifying data integrity, calculation precision, and methodology compliance.
- Facilitated hands-on training for basic extraction methods, physicochemical testing, and analytical instrumentation

ORGANIZATIONAL EXPERIENCE

Secretary Division — HIMA Farmasi

May 2024 – January 2025

- Led and executed all clerical operations, comprehensive documentation filing and formal proposal drafting for event.
- Coordinated information distribution and cross-departmental documentation across academic and student development programs.
- Managed data for internal organizational administrative audits by maintaining high transparency and systematic data entry.

SKILLS

- Formulation & Laboratory: Pre-formulation, Microencapsulation Technology, Spray Drying, Herbal/Phytochemical Extraction, Stability Testing, Good Laboratory Practice (GLP).
- Analytical Instruments: UV-Vis Spectrophotometry, Particle Size Analyzer (PSA), Zeta Potential Analyzer, Moisture Analyzer, Viscometer, pH Meter.
- Software & Data Analysis: Monolix, SPSS, Microsoft Office (Excel, Word, PowerPoint).
- Industry Knowledge: CPOTB / CPOB / CPKB basics, Raw Material Characterization, Quality Control (QC) Testing.
- Languages: Indonesian (Native), English (Intermediate).