



FAJAR HASMORO CARSITA

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PROFILE

I hold a Bachelor of Pharmacy and Pharmacist Professional degree from Universitas Jenderal Achmad Yani and a Master’s degree in Pharmaceutical Sciences from Universitas Gadjah Mada. I have professional experience through internships at BBPOM Bandung, the Technical Support Department of PT. Kalbe Farma, and the R&D Pharma Department of Enesis Group. I am a proactive, adaptable, and fast learner with skills in research design, product testing, data analysis, and the operation of laboratory equipment and analytical instruments for the development of pharmaceutical, traditional medicine, and cosmetic formulations. I have a good understanding of Good Manufacturing Practices (CPOB) for Drugs, Traditional Medicines and Cosmetics; and Good Laboratory Practice (GLP). I also have an understanding of pharmaceutical manufacturing processes and experience in literature review and public speaking.

EDUCATION

Universitas Jenderal Achmad Yani

Bachelor of Pharmacy (GPA 3.76 / 4.00) (2018 – 2022)

Undergrad Thesis: *Utilization of Red Betel Leaf Extract (Piper crocatum Ruiz & Pav.) in Octyl Methoxycinnamate Sunscreen Lotion*. Focused on in vitro antioxidant testing, lotion formulation, and in vitro sunscreen evaluation.

Pharmacist Professional Program (GPA 4.00/4.00) (2022 – 2023)

Industrial Pharmacy specialization, with professional practice in community pharmacy, government institutions, and the pharmaceutical industry. Internship Final Project: *Preparation of Cosmetic Samples for Heavy Metal Analysis Using a Microwave Digestion System*.

Universitas Gadjah Mada

Master of Pharmaceutical Sciences (GPA 4.00 / 4.00) (2024 – 2026)

Thesis: *Development of a Microemulsion Serum Formulation Containing Purified Curculigo latifolia Leaf Extract as an In Vitro Antioxidant and Anti-Elastase Agent*. Focused on extract standardization, in vitro antioxidant and anti-aging evaluation, formulation optimization using Design of Experiments (DoE), and serum product stability testing.

WORK EXPERIENCE

Balai Besar Pengawas Obat dan Makanan (BBPOM) Bandung (February 2023)

- Interned in the Chemical Testing Laboratory for Cosmetics, performing sample preparation for analysis using AAS (Atomic Absorption Spectrophotometry) for approximately 25 samples, GC (Gas Chromatography) for approximately 10 samples, and HPLC (High-Performance Liquid Chromatography) for approximately 30 samples.

PT. Kalbe Farma, Tbk (April 2023 - May 2023)

- Interned in the Technical Support Plant Department, supporting manufacturing activities by assisting in the preparation of equipment maintenance checklists for each production line, assisted in processing Overall Equipment Effectiveness (OEE) data for the Production Department, and assisted in conducting biweekly training sessions for new employees in the manufacturing area.

PT. Sari Enesis Indah (Enesis Group) (October 2023 – September 2024)

- Interned in the R&D Pharma Department, contributing to the development of traditional medicine powdered drinks, concentrates, and ready-to-drink health supplement beverages, assisted in pilot-scale trials in the production department, and conducted hedonic testing and triangle tests to support the reformulation of existing products.

Universitas Gadjah Mada (UGM) and STIKES Notokusumo Yogyakarta (March 2026 – May 2026)

- Served as a laboratory assistant for the Natural Products Technology Practicum at UGM, covering natural product extraction and extract preparation, optimization, and quality control testing using TLC-densitometry and spectrophotometry.
- Served as a laboratory assistant for Analytical Chemistry and Validation Practicums at STIKES Notokusumo, covering qualitative analysis using TLC, quantitative analysis using spectrophotometry and HPLC, as well as the preparation of calibration protocols and manufacturing and validation procedures for tablet products.

ORGANIZATIONAL EXPERIENCE

Student Executive Board (BEM), Faculty of Pharmacy, Universitas Jenderal Achmad Yani

- Staff Member, Internal Affairs Department – Academic Division (2020 -2021).

Community Service Program, Pharmacist Professional Program, Universitas Jenderal Achmad Yani – Cohort XXXIV

- Led a community service group with the theme *Education on Prevention and Early Detection of Hypertension and Diabetes Mellitus* in Padalarang, Bandung Regency. (August 2023).

Community Service Program, Master of Pharmaceutical Sciences, Universitas Gadjah Mada

- As a keynote speaker, delivered educational material on *Healthy Elderly Movement: Education, Early Detection, and Prevention of Diabetes and Hypertension* (May 2025).

AWARDS & COURSES

- Participant, Compounding Competition, Universitas Padjadjaran, 2019.
- Participant, Webinar on Halal Certification and Food Security, BEM Faculty of Pharmacy, Universitas Jenderal Achmad Yani, 2020.
- Participant, Student Creativity Program (PKM) Proposal Submission Program, 2022.
- Certificate of Internship, PT. Kalbe Farma, Tbk Cikarang, 2023.
- Certificate of Long Life Learning Program, Faculty of Pharmacy, Chulalongkorn University, Thailand, 2025.
- Recipient of Final Research Project Funding, Faculty of Pharmacy, Universitas Gadjah Mada, 2025.
- Guest Lecturer, Cosmetics and Food course, Faculty of Pharmacy, Universitas Gadjah Mada, 2025.
- Research article published in a Scopus-indexed Q3 journal: “*Optimization of Microemulsion Formulation Containing Purified Curculigo latifolia Leaf Extract Using D-Optimal Design with Enhanced In Vitro Antioxidant Activity,*” 2026.
- Conducted an in vitro anti-aging research project in collaboration with an international student from Portugal.

LANGUAGES & SKILLS

- Bahasa Indonesia (*native*).
- English (*intermediate*).
- Microsoft (*Word, Excel, dan PowerPoint*).
- *Design Expert* and *GraphPad*.