

Rizki Abdurochman Assidik

Pharmacist (Apothecary)

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PROFESSIONAL SUMMARY

Pharmacist with practical experience in the pharmaceutical industry across product development, quality evaluation, process validation, documentation, and pharmaceutical distribution. Experienced in pharmaceutical product testing, formulation trials for syrup, tablet, traditional medicine, and multivitamin dosage forms, stability studies, packaging compatibility evaluation, and regulatory documentation. Supported by research experience in pharmaceutical formulation and *in silico* studies, with skills in molecular docking, molecular dynamics, drug-likeness, and ADMET analysis. Strong analytical thinking, problem-solving, scientific research, attention to detail, and cross-functional collaboration skills.

EDUCATION

Apothecary Program – Bakti Tunas Husada University (2025–2026) GPA: 4.00/4.00

Bachelor of Pharmacy – Bakti Tunas Husada University (2021–2025) GPA: 3.75/4.00

Vocational High School in Pharmacy – Pasundan Kawali (2018 – 2021)

INDUSTRIAL EXPERIENCE

Pharmaceutical Industry Internship (PKPA) – Research & Development

PT. Mecosin Indonesia | 2025

- Conducted physical testing and assay determination of liquid, semi-solid, and solid dosage forms to evaluate product quality against established specifications.
- Performed stability testing and monitoring to assess product stability and maintain quality throughout the storage period.
- Supported packaging compatibility studies and validation activities to ensure product quality was maintained in contact with packaging materials.
- Participated in laboratory- and pilot-scale formulation trials for syrup, tablet, traditional medicine, and multivitamin dosage forms to support formulation development and optimization.
- Supported process validation and revalidation activities to ensure consistent and reproducible manufacturing processes.
- Prepared pharmaceutical registration documentation to support regulatory submissions and compliance requirements.

Pharmaceutical Distribution Internship (PKPA)

PT. Bina San Prima Tasikmalaya | 2026

- Learned the implementation of Good Distribution Practices (CDOB) to support proper storage, handling, and distribution of pharmaceutical products.
- Supported product storage and documentation activities to ensure product traceability and compliance with established procedures.
- Supported activities related to patient safety principles to maintain product quality throughout the distribution process.

PRODUCT DEVELOPMENT & RESEARCH EXPERIENCE

Undergraduate Thesis Research | 2025

"In Silico Study of Secondary Metabolites from Purple-Orange Sweet Potato (Ipomoea batatas L.) Leaf Subfractions as Antioxidants"

- Investigated secondary metabolites as potential antioxidant and NADPH oxidase (NOX) inhibitor candidates using computational approaches.
- Performed molecular docking and 100 ns molecular dynamics simulations to evaluate binding interactions and complex stability.
- Conducted drug-likeness, ADMET, and toxicity prediction of selected compounds.
- Identified Tangeritin as the most promising candidate based on its overall computational profile.

Program Kreativitas Mahasiswa (PKM) – Research Project Research-Exact Category (Funded Project) | 2024

Project Title:

"Efficacy and Effectiveness of a Lotion Formulation Combining Skipjack Tuna Bone Nanocollagen and Zeaxanthin as an Anti-Aging Agent for Skin"

- Developed a topical lotion formulation combining nanocollagen and zeaxanthin as potential anti-aging active ingredients.
- Conducted literature review and supported formulation development and physical evaluation.
- Participated in experimental planning, data analysis, and scientific documentation.
- Contributed to research reporting and presentation of project findings.

CORE COMPETENCIES

Pharmaceutical Industry

- Pharmaceutical Product Development
- Formulation Development
- Pharmaceutical Product Evaluation
- Stability Testing
- Packaging Compatibility Evaluation
- Pharmaceutical Manufacturing Processes

Quality, Validation & Manufacturing

- Assay & Content Determination
- Process Validation & Revalidation
- Pharmaceutical Manufacturing Processes

- CPOB Principles
- CDOB
- Quality Control & In-Process Control
- Quality Evaluation & Documentation
- Pharmaceutical Quality Management

Research & Professional

- Scientific Literature Review
- Research & Data Analysis
- Problem-Solving
- Analytical Thinking
- Technical Documentation
- Cross-Functional Collaboration

TECHNICAL SKILLS

- Pharmaceutical: Assay Determination by Titration, Physical Product Testing, Formulation Trials, Stability Testing, Packaging Compatibility Evaluation
- Computational Research: Molecular Docking (AutoDock, PyRx, Discovery Studio, MarvinSketch), Molecular Dynamics (Desmond), Drug-Likeness & ADMET Analysis
- Research: Scientific Literature Review, Data Analysis, Scientific Reporting

- Software: Microsoft Office

PERSONAL STRENGTHS

- Analytical Thinking
- Detail-Oriented
- Problem-Solving
- Research-Oriented
- Adaptability
- Teamwork & Collaboration
- Continuous Learning
- Strong Work Ethic

ACHIEVEMENTS

- **Academic Scholarship Recipient for 1 Semesters**
- **Fully Funded National Research Grant (PKM-RE 2024)**
Research Project: *"Efficacy and Effectiveness of a Lotion Formulation Combining Skipjack Tuna Bone Nanocollagen and Zeaxanthin as an Anti-Aging Agent for Skin"*

ORGANIZATIONAL EXPERIENCE

Head of Entrepreneurship Division – HIMAFAR

2024–2025

- Led and coordinated entrepreneurship programs and team activities to support organizational initiatives.
- Managed the sales of laboratory coats, medical equipment, and PDH uniforms as sources of organizational funding.
- Successfully secured sponsorships to support organizational events and activities.
- Developed leadership, communication, negotiation, teamwork, and organizational management skills.

Chairperson of Student Representative Council (MPK)

SMK Farmasi Pasundan Kawali | 2019–2020

- Led the student representative organization and coordinated members in carrying out organizational programs.
- Coordinated student activities and supported communication between students and school management.
- Facilitated discussions, decision-making, and evaluation of student programs.
- Developed leadership, communication, teamwork, and problem-solving skills.