



DHIMAS RIZKY HANDOKO

BSN (S. Kep.) | Nurse Profession Student



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PROFESSIONAL SUMMARY

Nursing graduate and Professional Nurse candidate from Universitas Jember with a strong interest in public health, mental health, healthcare innovation, and digital health. Driven by curiosity about people, communities, and the challenges they face, I have been involved in national and international research projects, community-based interventions, and development of technology-enabled healthcare solutions. My long-term goal is to contribute to evidence-based healthcare through research, innovation, education, and international collaboration.

EDUCATION

Universitas Jember

Professional Nurse Program | (Current GPA: 3.95/4.00)

Jember, ID

Aug 2025 – Aug 2026 (Expected)

- Completed comprehensive clinical rotations across tertiary hospitals, psychiatric hospitals, community health centers, and long-term care facilities across East Java and Bali.
- Delivered patient-centered nursing care in medical-surgical, emergency, critical care, maternity, pediatric, mental health, gerontological, community health, and nursing management settings.
- Developed digital healthcare platforms for nursing management, community health programs, and healthcare service innovation using modern web technologies during clinical rotations.
- Recognized as a paper presenter for two studies at international symposiums.

Universitas Jember

Bachelor of Science in Nursing (S.Kep.) | (GPA: 3.67/4.00)

Jember, ID

Aug 2021 - Aug 2025

- Research Assistant under Prof. Tantut Susanto in multiple national and international collaborative research projects.
- Contributed to peer-reviewed publications, community engagement programs, healthcare innovation projects, and intellectual property outputs.
- Graduated Cum Laude and received awards in five national and one international competition.

RESEARCH EXPERIENCE

Professional Nursing Final Project Research | Faculty of Nursing, Universitas Jember

2026

Family-Centered Nursing Education for Older Adults with Hypertension: A Case Study

- Designed and implemented a family-centered nursing intervention for two families of older adults with uncontrolled hypertension in a rural community setting.
- Delivered a four-session educational program focusing on hypertension management, medication adherence, health service utilization, healthy lifestyle behaviors, and relaxation techniques.
- Evaluated changes in family health management, hypertension knowledge, blood pressure outcomes, and quality of life using standardized assessment tools.

Research Assistant | Faculty of Nursing, Universitas Jember

2025

Family Function and Stunting Research

- Co-authored a study examining associations between family functioning and childhood stunting in rural Indonesia.
- Contributed to manuscript development, including background synthesis and results interpretation.
- Contributed to publication accepted and published in a Scopus-indexed Q4 journal.

Undergraduate Thesis | Faculty of Nursing, Universitas Jember

2025

Sleep Quality Among Fishermen in Rural Indonesia

- Designed and conducted a cross-sectional study involving 337 fishermen in rural Indonesia.
- Performed statistical analysis and interpretation using validated sleep assessment instruments.
- Prepared scientific manuscripts for journal publication and dissemination.

Research Assistant | Universitas Jember X National University of Singapore

2024

International Collaborative Research on Self-Leprosy Health Management

- Conducted data management and statistical analysis for a quasi-experimental study involving 91 participants across 24 primary healthcare centers in Jember Regency.
- Supported implementation and evaluation of six self-care modules designed to improve quality of life and reduce stigma among people affected by leprosy.
- Contributed to manuscript preparation resulting in acceptance in a Scopus-indexed Q4 journal.

AWARDS & HONORS

- 1st Place, Senyum Rindang Case Competition, 2025
- 2nd Place Award, The 19th APRU Multi-Hazards Symposium 2024, National Taiwan University, Taiwan
- Favorite Poster Award, Jember Dentistry Festival III, 2023
- 3rd Place, Biological Science Day XIII Essay Competition, 2022
- Favorite Poster Award, Biological Science Day XIII, 2022

PUBLICATION

Article Journal

- Leprosy Self-Care Health Management: A Quasi-Experimental Study for Assessing Quality of Life and Stigma in People Affected by Leprosy in Rural Areas, Indonesia. (*Epidemiology and Health System Journal*, 13(1), Q4, Accepted, 2026)
- Family Function and Its Association with Stunting: A Cross-Sectional Study Among Under-Five Children in Rural Areas of Indonesia. (*Ethiopian Journal of Pediatrics and Child Health*, 20(2), Q4, Published, 2025)
- OPTIMAL CARE: Pemberdayaan Keluarga dan Kader Dukung Kepatuhan Terapi TBC di Jember. (*ABDIMASKU: Jurnal Pengabdian Masyarakat*, 9(1), Sinta 5, Published, 2025)
- Development of a Prosperous Elderly Friendly Tourism Village in Wonosari Village, Bondowoso Regency. (*INTEGRITAS: Jurnal Pengabdian*, 8(2), Sinta 4, Published, 2024)

Selected Books & Intellectual Property

- Mind MHIRC – Computer Program (HKI, 2024)
- Optimal Care TBC - Computer Program (HKI, 2025)
- Mendampingi Perjuangan Melawan Tuberkulosis dan Stigmanya (ISBN Book, 2025)
- SEKOLANGKONG: Sekolah Lansia Komprehensif untuk Kawiralase (Kawasan Wisata Lansia Sejahtera) sebagai Sarana dan Keberdayaan Kualitas Hidup Lansia (ISBN Book, 2025)
- Pemberdayaan Keluarga dan Komunitas dalam Manajemen dan Perawatan Diri Orang dengan Kusta (ISBN Book, 2024)

DIGITAL HEALTH & HEALTHCARE INNOVATION

Nursions – Nurse Supervision System

2026

Digital Health Innovator, Full-Stack Developer, System & UI/UX Designer

- Identified workflow inefficiencies in nursing supervision, including fragmented documentation and limited monitoring mechanisms within inpatient care settings.
- Designed and developed a digital supervision platform featuring 7 integrated modules for scheduling, documentation, evaluation, feedback, performance analytics, and competency monitoring.
- Piloted the system for 3 weeks in the Kasuari VIP Ward at RSUD Bali Mandara, involving 7 nursing personnel and students, generating documented supervision records and evaluation reports.

Mind MHIRC – Mental Health for Innovation Research Center

2024 - Present

Digital Health Developer, System & UI/UX Designer, and AI Integration Lead

- Designed and developed a web-based mental health platform supporting screening, psychoeducation, community engagement, crisis monitoring, and consultation scheduling.
- Developed, trained, and fine-tuned the “EVA” AI companion using 21 mental health case scenarios, including self-esteem issues, social withdrawal, and suicide-risk conversations.
- Supported over 250 registered users and 900+ website visitors, while contributing as the creator of an intellectual property (HKI) registered in 2024.

Optimal Care TBC

2025 - Present

Digital Health Developer, System & UI/UX Designer

- Developed an open-access tuberculosis education platform comprising 4 learning modules and structured educational resources covering disease management and treatment adherence.
- Designed family-centered monitoring tools and treatment-tracking materials used by 7 families and 5 community health cadres during pilot implementation.
- Contributed as creator of an intellectual property (HKI) registered in 2025.

Vista – Vital Sign Instant Access

2026

Health Information System Developer, and System & Database Designer

- Developed a digital inpatient monitoring system supporting documentation of 14+ clinical parameters, including vital signs, oxygen therapy, fluid balance, pain assessment, and automated AWS scoring.
- Designed the system architecture and database structure to centralize monitoring data across 4 inpatient care sub-units within Jepun Ward at RSUD Bali Mandara.
- Implemented the platform during Nursing Management clinical rotation to improve accessibility and continuity of patient monitoring records.

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“NURA” Personalized AI Assistant for Hospitalized Patients

2025

Digital Health Innovator, AI System Designer, and UI/UX Designer

- Conducted a preliminary needs assessment involving 25 hospitalized patients and 10 nurses to identify barriers related to patient autonomy, comfort, and nursing workload.
- Designed a web-based AI prototype integrating demographic, cultural, spiritual, and clinical data to deliver personalized assistance, adaptive reminders, and environmental control for patients.
- Led the development of an innovation concept presented at the Sigma Asia Regional Conference 2025 (Hong Kong) after acceptance through a competitive international review process.

CONFERENCE PRESENTATIONS

Sigma Asia Regional Conference 2025 | *The Hongkong Polytechnic University, Hongkong*

- First Author, Poster Presentation – “NURA: A Personalized AI Prototype for Hospitalized Patients, Providing Real-Time Care, Personalized Assistance, and Environmental Control”
- First Author, Poster Presentation – “AI-Enhanced Gamified Nursing Education: A Prototype Integrating Interactive Games, Website Technology, and Evidence-Based Literature”

19th APRU Multi-Hazards Symposium 2024 | *National Taiwan University, Taiwan*

- 6th Author & Presenter – “Integrating Geomythology for Geoconservation in the Ijen UNESCO Global Geopark”
- Recipient of the 2nd Place Poster Competition Award

LEADERSHIP, ACADEMIC & SERVICE EXPERIENCE

Research and Community Engagement Assistant Coordinator

2024

Center of Agronursing for Community, Family, and Gerontological Nursing Laboratory, Universitas Jember

- Coordinated administrative processes for faculty-led research and community engagement projects, including research permits, ethical clearance submissions, and project documentation.
- Collaborated with faculty members, student researchers, enumerators, and community stakeholders to support project implementation and field activities.
- Assisted in developing educational modules, research materials, and dissemination media, including posters, banners, and community education resources.
- Supported project planning, communication, and operational coordination across multiple research and community-based initiatives.

Secretary General

2024 - 2025

Badan Eksekutif Mahasiswa (Student Executive Board), Faculty of Nursing, Universitas Jember

- Coordinated organizational governance, administrative, and internal communication across executive board divisions.
- Managed organizational documentation, correspondence, meeting administration, and institutional reporting processes.
- Facilitated coordination among executive board members, student representatives, and faculty stakeholders to support organizational programs and strategic initiatives.
- Supported planning, implementation, and evaluation of faculty-wide student development and leadership programs.

Secretary General

2024 - 2025

Sahabat Perpustakaan (University Library Volunteer Association), Universitas Jember

- Coordinated organizational administration, documentation, and communication among executive board members and volunteers.
- Supported planning and implementation of literacy promotion, volunteer engagement, and community outreach programs.
- Managed meeting documentation, institutional correspondence, and organizational reporting processes.
- Collaborated with university stakeholders and external partners to support library and community-based initiatives.

TECHNICAL SKILLS

Research : Quantitative Research, SPSS, SmartPLS, Scientific Writing

Technology : Next.js, Vite, React, TypeScript, Supabase, Tailwind CSS

Design : Canva, Scientific Poster & Presentation Design

Languages : Indonesian (Native), English (TOEFL ITP: 543), Javanese (Native), Maduranese (Working Proficiency)

TECHNICAL SKILLS

- Certified Peer Counselor (2023)
- Trauma Healing Skills Training (2023)
- TOEFL ITP 543 (2025)