

M FARHAN RAMADHAN

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Address: Padang, West Sumatra

A Physics graduate from Universitas Andalas (GPA: 3.57/4.00) with skills in data analysis, web development, and graphic design. Known for critical thinking, effective communication, and collaborative teamwork. Enthusiastic about solving challenges at the intersection of technical expertise and business understanding, with a track record of developing innovative solutions and optimizing systems.

Work Experiences

Central Laboratory Unit, Universitas Andalas - Padang Jul 2022 - Aug 2024

Equipment Coordinator

Managed and maintained laboratory equipment to ensure smooth operations, safety compliance, and efficient utilization of resources.

- Developed and implemented a software-based system that streamlined maintenance processes, significantly reducing downtime and extending the lifespan of laboratory equipment.
- Introduced an updated inventory system that minimized redundant purchases, saving up to 15% of the annual equipment budget.
- Conducted regular training sessions for laboratory staff and students, ensuring compliance with safety standards and reducing equipment-related incidents by 20%.

Computer Laboratory, Physics Departemen - Andalas University Aug 2022 - Jul 2024

Practicum Assistant

Supervise and assist practitioners in solving problems during practicum and work on solutions for each practicum module implemented as a guide for assistants to guide practicum.

- Supervised and assisted students during practical sessions, resolving technical challenges.
- Developed practicum guides and modules in collaboration with laboratory coordinator.
- Troubleshoot and maintained practicum equipment to ensure seamless operations.

Physics Department - Andalas University Dec 2023

Presenters in Web Developer Workshop

Providing material about web app-based application development using the PHP programming language. The material is in the form of a Create, Read, Update, Delete (CRUD) system into the database using the PHP programming language.

Education Level

Universitas Andalas - Padang Jul 2020 - Aug 2024

Bachelor of Physics, 3.57/4.00

- Published research on electronics and optical sensors in national journals.
- Developed IoT systems for monitoring physical variables using NodeMCU and Arduino.
- Designed innovative physical measurement instrument.

Organisational Experience

Badan Eksekutif Mahasiswa (BEM) KM Kabinet Integral - Universitas Andalas, Padang Feb 2023 - Dec 2023

Head of Graphic Design Division

Directed a team of graphic designers to deliver impactful visual content and enhance organizational branding.

- Developed a comprehensive visual strategy to align with the organization's communication and marketing goals.
- Produced a variety of materials, including posters, presentations, and social media content, which increased engagement by 25%.
- Worked closely with other departments to ensure cohesive branding and successfully executed organization-wide campaigns.

Skills, Achievements & Other Experience

- Interest:** Graphic Design, Web Development, Data Analyst
- Hard Skills:** Data Analysis (Python, Excel), Programming (JavaScript, PHP, Python), Web Development (HTML, CSS, Node.js, React.js, Laravel), Graphic Design (Photoshop, Canva, Illustrator)
- Soft Skills:** Communication, Analytical Thinking, Team Collaboration, Adaptability, Language Proficiency (Indonesian - UKBI Score: 640, English - TOEFL Score: 490)
- Achievements (2023):** Participant in the 2024 National Student Creativity Week