

FIKRI RIDWAN PRATAMA

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PROFILE

A Chemistry graduate from Andalas University specializing in physical and computational chemistry, with a core focus on the theoretical analysis of compounds for drug discovery. Proficient in molecular docking, toxicity prediction, and complex data interpretation. I combine rigorous laboratory experience with a commitment to research integrity and precision, excelling in both collaborative team environments and independent scientific research.



EDUCATION

Bachelor of Science in Chemistry

2021-2025

Andalas University, Padang

GPA : 3,33/4,00

Thesis title :

Thermodynamics and Kinetics Study of Antioxidant Activity, pKa, Toxicity and Pharmacokinetics of Flavonoid Group Molecules from Kirinyuh (*Chromolaena Odorata* L.) Leaf Extract.

RESEARCH & LAB EXPERIENCE

Laboratory Assistant – Department of Chemistry, Universitas Andalas

2025

(Assistant : Physical Chemistry II | Vice Coordinator : Physical Chemistry II)

- Assisted in teaching and supervising laboratory sessions for Physical Chemistry and Physical Chemistry II courses.
- Conducted quantitative and instrumental analyses while guiding students in experimental data processing.
- Assisted in reagent preparation and calibration of analytical instruments.
- Facilitated comprehensive pre and post-laboratory briefings, ensuring students were well-versed in experimental procedures and rigorous safety protocols.
- Managed end-to-end grade administration, including the precise calculation and systematic entry of student performance data into the official academic portal.

Undergraduate Researcher – Computational Chemistry Project

2024-2025

- Conducted molecular docking simulations and theoretical antioxidant analysis on odoratenin, isosakuranetin, and subscandenin.
- Evaluated physicochemical and biological parameters for drug-likeness prediction.

ORGANIZATIONAL EXPERIENCE

Staff - Media Division (*Forum Studi Islam FMIPA*)

2022

- Documenting and publishing organization's events.
- Creating promotional materials and invitations regarding the organization's events

Head of the Research and Academic Section - Human Resources Division (*Ikatan Mahasiswa Kerinci*)

2023

- Led academic program to enhance student's scientific and competitive abilities.
- Provided training and guidance on academic competitions and research skills.

SKILLS AND LANGUAGES

Hard skills

- Chemical Analysis Techniques
- Laboratory Instrument Operation (UV-Vis Spectrophotometer, pH Meter, Multimeter, Analytical Balance, and Conductometer)
- Data Processing & Interpretation
- Laboratory Documentation & Reporting
- Good Manufacturing Practice (GMP) Awareness & Good Laboratory Practices (GLP).
- Microsoft Office Proficiency
- Basic ISO & Laboratory Management System
- Safety & Laboratory Compliance (K3)

Soft Skills

- Strong Analytical Thinking
- High Attention to Detail
- Effective Communication
- Team Collaboration
- Time Management & Discipline
- Adaptability & Fast Learner
- Problem Solving Skills
- High Initiative & Responsibility

Languages : Bahasa Indonesia (*Native*), English (*Intermediate – Upper-Intermediate*)