

Deby Calvenia Novitasari

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As a graduate of Chemistry, I have a great interest in a career as a Chemical and R&D Analyst, as well as a strong passion for Data Science. I have experience in the laboratory and am able to operate several laboratory equipment, such as UV-Vis Spectrophotometer, AAS, Refractometer, and FTIR. Additionally, I have proficiency in using computational chemistry software and data analysis tools. I am a person who is easy to socialize, responsible, disciplined, thorough, has quite good public speaking skills, and is ready to work in a team or individually.

Experience

- Laboratory Assistant**

Inorganic Reactivity Structure and Spectrophotometry

2023- 2024

Department of Chemistry, University of Jember

- Operate chemical instruments such as UV-VIS Spectrophotometer, AAS, FTIR, and other XRF during the practicum process.
- Preparing necessary practical requirements such as quizzes, equipment and materials.
- Assist lecturers in preparing and managing practical activities in the field of Inorganic Reactivity Structures such as chemical reactions, chemical structure changes and chemical bonds.
- Coordinate with lecturers in evaluating student performance, including daily assessments, practicum reports, and determining final grades for 80 students.

- Sarjana's Thesis**

Virtual Screening Esterogen Receptor Inhibitor Compound Alpha (ERα) Uses a Quantitative Structure Activity Relationship (QSAR)

- Analyze new inhibitor candidates for breast cancer drugs using virtual screening-based machine learning
- Virtual screening process includes looking for the best mode with QSAR, analyzing compounds in the ZINC database that have predicted pIC50 values, grouping by clustering based on similarity using the butina algorithm and ADMET analysis.

Education

Universitas JEMBER | *Department of Chemistry, Faculty of Mathematics and Natural Sciences*

Sep 2020 - Jul 2024

- GPA : 3.18/4.00**

ISO 22000:2018 Training (2024) : Participants

HACCP Training (2024) : Participants

Basic Data Science, Basic SQL & Python (2024) : Participants

Organizational Experience

- BADAN PERWAKILAN MAHASISWA FMIPA (BPM) – Jember, Indonesia**

Feb 2023- Des 2022

Head of Commission 1 Aspiration

- In charge of all work programs related to increasing the absorption of aspirations within the FMIPA environment.
- Tasked with managing all incoming aspirations and channeling them to related parties.
- Successfully collected more than 100 aspirations from students during one management period, which were then used to improve and develop the Mathematics and Natural Sciences Faculty.

- BADAN PERWAKILAN MAHASISWA FMIPA (BPM) – Jember, Indonesia**

Feb 2022- Des 2022

Member of Commission 1 Aspiration

- In charge of managing all incoming aspirations and channeling them to related parties.
- Tasked with collecting and recapitulating incoming applications to ensure they are suitable for distribution to related parties.
- Successfully introduced the offline aspiration flow to all FMIPA students and increased students' interest in expressing aspirations.

Skill

Hard-skill

Microsoft Office, Microsoft Excel, Canva, Adobe Photoshop, Python and Facebook Ads

Soft-skill

Leadership spirit, public speaking, decision making skills, good time management , Indonesian (fluent) and, English (Intermediate)

