



DESKA RIZKI PRATAMA

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Chemical Engineering graduate from Universitas Sumatera Utara with internship experience in industrial process analysis. Possesses strong organizational skills gained from role as a Laboratory Coordinator, focusing on team coordination and safety compliance. Disciplined, adaptable, and eager to launch a career in Production, Process Engineering, or Quality Control.

Education

Universitas Sumatera Utara - Medan, Indonesia	Aug 2020 - Dec 2025
<i>Bachelor of Engineering in Chemical Engineering (GPA 3.38/4.00)</i>	
<ul style="list-style-type: none">Actively participated in national-scale collaborative research projects.Served as a Bioprocess Laboratory Assistant to support academic activities.Contributed to university and faculty-level student organizations.	

Work Experience

Part-time Staff Waste Management <i>USU Circularity Center, Universitas Sumatera Utara</i>	Feb 2025 – May 2025
<ul style="list-style-type: none">Managed waste sorting and processing at the waste treatment unit, including processing plastic waste for pyrolysis and organic waste for composting.Processed food waste into maggot feed and participated in maggot cultivation to support sustainable organic waste reduction programs.	
Laboratory Assistant Coordinator <i>Bioprocess Laboratory, FT-Universitas Sumatera Utara</i>	
<ul style="list-style-type: none">Guided and directed students in conducting bioprocess practicums systematically.Developed and evaluated practicum modules to improve understanding of bioprocess science concepts.	Mar 2023 – Mar 2025
Volunteer Mentor PKM <i>Direktorat Prestasi Mahasiswa dan Hubungan Kealumnian USU</i>	
<ul style="list-style-type: none">Provided technical guidance and strategies to students in drafting Student Creativity Program (PKM) proposals.Assessed and provided constructive feedback to improve the quality of student proposals.	Feb 2024
Polling Station Officer (KPPS) <i>Komisi Pemilihan Umum (KPU), Langkat</i>	
<ul style="list-style-type: none">Organized the voting process, from preparation to results reporting.Ensured election procedures were carried out according to standards with high accuracy.	Jan 2024 – Feb 2024
Process Engineering Intern <i>PT. Pacific Medan Industri, Deli Serdang</i>	
<ul style="list-style-type: none">Conducted analysis on live steam requirements for the Deodorizer unit.Calculated fuel consumption requirements for the High-Pressure Boiler (HPB) at the Refinery Plant..	Dec 2023 – Jan 2024

Organizational Experience

Fundraising Division Member

Aug 2022 – Aug 2023

Covalent Study Group (CSG FT-USU)

- Designed and executed fundraising strategies to support organizational activities.
- Managed resources and financial administration with high accountability.

Head of Religion and Education Department

Jul 2022 – Jul 2023

Himpunan Mahasiswa Langkat (HIMALA USU)

- Initiated educational coaching and spiritual development programs for organization members.
- Acted as a liaison between the organization and local educational communities.

Publications

- Pratama, D. R., Berutu, A. S., Husin, F., & Panjaitan, M. Y. (2025). Innovation of Edible Coating of Mango Fruit Based on Shrimp Shell Chitosan with Tamarind Leaf Extract Additive as Antimicrobial. *Jurnal Teknik Kimia USU*, 14(1), 53-61. <https://doi.org/10.32734/jtk.v14i1.19093>

Skills & Achievements

• Skills

- *Technical* : Microsoft Office, Canva, Adobe Illustrator, Google Workspace, Research Data Management, Scientific Writing.
- *Interpersonal*: Effective Communication, Team Leadership, Cross-Division Collaboration.

• Achievements

- PKM-RE Funding Awardee (2024)
Student Creativity Program in Exact Research by the Ministry of Education, Culture, Research, and Technology.
- PKM-AI Incentive Awardee (2024)
Student Creativity Program in Exact Research by the Ministry of Education, Culture, Research, and Technology.
- PKM-RE Funding Awardee (2023)
Student Creativity Program in Exact Research by the Ministry of Education, Culture, Research, and Technology.

Hobbies & Interests

Sports (Badminton, Jogging), Reading Self-Development Books, and Graphic Design Exploration.