

NUR RAWDOTUL JANNAH

INSTRUMENT ENGINEER

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SUMMARY

Graduate who completed 3.5 years of study at Telkom University. Proficient in applying Microsoft, AutoCAD, Corel Draw, Dev C++, Multisim, and several other editing applications is one of the advantages you have in the current digital era. As a student, having good time management ones is very important. Apart from being active in organizations and taking part in competitions, also has experience in several research with Telkom University lecturers in the field of instrumentation, which has formed analytical and thorough skills. Even though many activities are involved in college, one can successfully graduate with cum-laude.

EDUCATION

Telkom University – Bandung, Indonesia

August 2020 – February 2024

S-1, Engineering Physics

GPA: 3.80

Area of interest: Instrumentation

EXPERIENCE

Co-Founders | Startup Bank Tutor

December 2022 – Present

- Designing Key Performance Indicators (KPI) to standardize an effective teaching system for tutors.
- Recruit high-standard tutors with superior academic skills that can significantly improve student learning experience.
- Monitor and evaluate tutor performance to ensure that teaching quality standards meet KPI.
- Managed and created financial bookkeeping journals for Bank Tutor, ensuring accurate and transparent financial records that facilitated informed decision-making.
- Collaborate with the team to create business development strategies.

Instrument Engineer | Atmospheric Environmental Laboratory

October 2022 – February 2024

- Make a Sinta 3 journal titled “Analysis of Spatio-temporal PM_{2.5} and CO₂ Concentrations Distribution with PSCF and CWT Methods in the Greater Bandung Air Basin”.
- Determine the CO mass flow rate formula and design the CO system analyzer with the team on the CO₂ detector project in collaboration with LIPI.
- Take into account the system load power requirements and the correct efficiency of the solar panels in the UDARAKU project, which received funding from Ristekdikti – Ministry of Education and Culture.
- On projects UDARAKU, design a data transmission system using two LoRa Transmitters to one LoRa Receiver with an ESP32 microcontroller.
- Create an effective PCB design to reduce cable usage in each subsystem project UDARAKU.

Instrument Engineer at EIE | PT Kilang Pertamina Internasional RU IV

July – August 2023

- Understand and analyze system integration effectiveness safeguards and interlocks via P&ID and logic diagram system units 240K-101.
- Create a 240K-101 unit interconnection system using Ms. Vision.
- Controlling the LOC III area with Pertamina senior engineers and actively participating in handling troubleshooting by understanding the problems that occur to execute appropriate troubleshooting.
- Learn and practice operating Distributed Control Systems (DCS) directly to understand the storage process until data is backed up on each instrument.
- Create a cause-and-effect table for all instruments on the 240K-101 unit so that appropriate controls can be implemented to manage risks.

AWARDS

Graduates with the Best Student Achievements - Faculty <i>Dean of the Faculty of Electrical Engineering Telkom University</i>	<i>May 2024</i>
Finalist for Indonesian Education Ambassador - National <i>Leaders.id</i>	<i>March 2024</i>
Gold Medal in the Indonesian Independent Science Competition in Physics - National <i>Cv Divya Cahaya Prestasi</i>	<i>August 2023</i>
Finalist Biomedical Engineering Smart Exhibition - International <i>Biomedical Engineering Department ITS</i>	<i>October 2022</i>
Top 10 Finalists for Matric's National Essay Week - Nasional <i>Himpunan Mahasiswa Matematika UNDIKSHA</i>	<i>November 2021</i>
Gold Medal in Indonesian Science Competition in Mathematics - Nasional <i>POSI</i>	<i>February 2021</i>

ORGANIZATION/COMMITTEE

Himpunan Mahasiswa Teknik Fisika (HMTF) <i>General Secretary</i>	<i>September 2023 – Present</i>
Biomedical Instrumentation Laboratory <i>Treasurer</i>	<i>July 2023 – January 2024</i>
Forum Komunikasi Mahasiswa Teknik Fisika (FKMTF) <i>Research and Technology Innovation Division</i>	<i>May 2022 – July 2023</i>
Instrumentation Systems Laboratory <i>Secretary</i>	<i>June 2022 – July 2023</i>
Biomedical Signal Processing Instrumentation Laboratory <i>Instrumentation Division</i>	<i>July 2022 – June 2023</i>
Physton <i>Sponsor Division</i>	<i>August 2022 – January 2023</i>
Komunitas Bahagia Bareng <i>Project Division</i>	<i>March – December 2021</i>
Search SMEs <i>Club Study Marketing</i>	<i>March – December 2021</i>

COURSES/CERTIFICATIONS

Programmable Logic Controller (PLC) <i>CITA ITB</i>	<i>August, 2024</i>
PLC Automation Application in Industry <i>Engineering Academy</i>	<i>July, 2024</i>
Reliability Centered Maintenance <i>eTraining Indonesia</i>	<i>July, 2024</i>
Elementary English Course <i>English First</i>	<i>February, 2024</i>
Create a Lasting First Impression <i>Persona Public Speaking</i>	<i>February, 2022</i>

SKILL

Technical capabilities: Autocad, Adobe, C language, Corel Draw, data analysis, HubSpot, microsensor calibration, PLC programming, project management, Reliability Centered Maintenance.

Non-technical abilities: Adaptive, collaborative, leadership, problem solving, public speaking.