NUR RAWDOTUL JANNAH

INSTRUMENT ENGINEER

East Jakarta, DKI Jakarta | https://nurrawdotul-jannah.journoportfolio.com/ | https://www.linkedin.com/in/nur-rawdotul-6b25ab230/ | 081398152568 | nurrawdotul.jannah@gmail.com | *kezia.tl*

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.
- 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 CO_2 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 EIIE | 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 ***May 2024***

Dean of the Faculty of Electrical Engineering Telkom University

Finalist for Indonesian Education Ambassador - National ***March 2024***

Leaders.id

Gold Medal in the Indonesian Independent Science Competition in Physics - National ***August 2023***
Cv Divya Cahaya Prestasi

Finalist Biomedical Engineering Smart Exhibition - International ***October 2022***
Biomedical Engineering Department ITS

Top 10 Finalists for Matric's National Essay Week - Nasional ***November 2021***
Himpunan Mahasiswa Matematika UNDIKSHA

Gold Medal in Indonesian Science Competition in Mathematics - Nasional ***February 2021***
POSI

ORGANIZATION/COMMITTE

Himpunan Mahasiswa Teknik Fisika (HMTF) ***September 2023 – Present***
General Secretary

Biomedical Instrumentation Laboratory ***July 2023 – January 2024***
Treasurer

Forum Komunikasi Mahasiswa Teknik Fisika (FKMTF) ***May 2022 – July 2023***
Research and Technology Innovation Division

Instrumentation Systems Laboratory ***June 2022 – July 2023***
Secretary

Biomedical Signal Processing Instrumentation Laboratory ***July 2022 – June 2023***
Instrumentation Division

Physton ***August 2022 – January 2023***
Sponsor Division

Komunitas Bahagia Bareng ***March – December 2021***
Project Division

Search SMEs ***March – December 2021***
Club Study Marketing

COURSES/CERTIFICATIONS

Calibration Management ***September, 2024***
SRZConsulting

SCADA Automation ***September, 2024***
Kelas Engineer

Programmable Logic Controller (PLC) ***August, 2024***
CITA ITB

PLC Automation Application in Industry ***July, 2024***
Engineering Academ

Realiability Centered Maintenance ***July, 2024***
eTraining Indonesia

English Course ***February, 2024***
English First

Create a Lasting First Impression ***February, 2022***
Persona Public Speaking

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.