

# TASYA WULANDARI

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## SUMMARY

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An Electrical Engineering Technology student with a focus on electronics studies, both strong currents and weak currents. I like learning new things, especially in the electricity sector. My ability to play an active role in a team and good communication, as well as adaptability, allows me to establish effective collaboration with teammates and related parties. I have the ability to operate several relevant software in the electricity sector. Currently I am focused on looking for opportunities to gain more professional competencies through internship programs.

## EDUCATIONAL BACKGROUND

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### D4 Electrical Engineering Technology, Universitas Gadjah Mada

2022-Present

- GPA – 3.37 /4.00
- Relevant Course:
  1. Computer Programming Practicum
  2. Electrical Circuits Practicum
  3. Worksop Work Practicum
  4. Microcontroller Practicum
  5. Electric Power Distribution Practicum
  6. Electrical Machine Settings Practicum
  7. Electric Power Protection System Practicum
  8. Energy Audit Practicum

## PROJECTS

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### Workshop Work 1

- Making solar cell based lights, to design schematics and PCB boards using EAGLE software.

### Microcontroller

- Create a design and simulation on the WOKWI website for an Arduino-based potable water converter with an electrolysis system and UV sterilizer.

### Electric Power Distribution

- Designing an island distribution system using ETAP software.

### Electrical Machine Settings

- Create schematic and PCB board DC Boost Converter with IC Timer 555 using Proteus and KiCad software.
- Create schematic and PCB board DC Motor Speed Control with IC Timer 555 using Proteus and KiCad software.
- Create schematic and PCB board AC Motor Speed Control with Dimmer Circuit using Proteus and KiCad software.
- Create and design a dc motor control system that can be applied in industry, namely "DC Motor Control System on Electrostatic Precipitator for Industrial Waste Dust Deposition".

### Power Protection System Practicum

- Analyze the electrical power protection system on the island of Lombok using ETAP software.

### Energy Audit Practicum

- Conduct an energy audit at the Sandi Museum to determine energy consumption and energy savings potential.

## INTERNSHIP EXPERIENCE

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### PT PLN (Persero) UPT Semarang

Juli-Agustus 2024

#### Internship

- Studying the guidelines and instructions for protection systems in transmission and substations.
- Analyze data on protection results from each bay at each ULTG or GI location using overcurrent relay protection.
- Analyzing data on protection results from each bay at each ULTG or GI location using distance relay protection.
- Analyzing data on protection results from each bay based on ULTG or GI location using differential relay protection.

## ORGANIZATIONAL EXPERIENCE

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### Himpunan Mahasiswa Teknik Elektro

February 2023-Present

#### PHAL Department Staff

- Make proposals and accountability reports (LPJ) for organizational visit work programs (proker).
- Develop an interesting and meaningful organizational visit event concept.
- Become a representative of PHAL staff to manage the home visit program managed by KMTEDI.

### Jama'ah Vokasi Al 'Alim (JAVA)

August 2023-Present

#### Secretary

- Manage incoming and outgoing mail efficiently and organized to ensure every incoming and outgoing letter is well managed and on time.
- Archiving JAVA documents, including preparing a structured archiving system.
- Execute the minutes process for all JAVA activities comprehensively, recording every important detail discussed in meetings and organizational activities.
- Responsible for creating Standard Operating Procedures (SOP) for submitting letters.
- Manage member databases and ensure member data is current and accurate.
- Prepare detailed proposals for each planned activity.
- Prepare a complete and detailed accountability report after each activity is completed.

### Sedulur Wonogiri Gadjah Mada (SEGIGAMA)

February 2023-February 2024

#### Social Affairs Division Staff

- Responsible for the Sosmaspedia work program.
- Create interesting and informative Sosmaspedia posters.

## COMMITTEE EXPERIENCE

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### Ramadhan Di Kampus (RDK) UGM

January-April 2024

#### Event Staff

- Creating a concept for the RDK Menuang Kalam event.
- Create the speaker's Terms of Reference (ToR).
- Create and manage the registration form for Pouring Kalam participants.

### Tech Enthusiast Day 2023

September-November 2024

#### Event Staff

- Responsible for developing and designing detailed event rundowns.
- Create MC/moderator texts that are informative, entertaining, and appropriate to the event theme.
- Become a moderator in the Science Project competition.

### PPSMB Permadani Department

May-August 2023

#### Event Coordinator

- Design an event concept that suits the goals and theme.
- Compile a detailed event rundown.
- Ensure technical implementation runs smoothly to support the overall success of the event.

## LANGUAGE AND SKILLS

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- Language: Indonesian (Native) & English (Beginner)
- Hard Skills: Microsoft Office (Word, Excel, Powerpoint), Basic Programming (Google Collab, Python).
- Soft Skills: Public speaking, Self management, Cooperation, Team work, Team management, Communication.
- Software: EAGLE, ETAP, Autocad, Proteus, KiCad.