



# GROVANTI NATA KIYANSARI SUBAGYO

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## PROFILE

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Electronics Engineering student with a solid foundation in circuits, microcontrollers (ESP32/Arduino), sensors, and basic C/C++ programming. Experienced in hands-on projects and automation systems, with strong teamwork, time management, and communication skills.

Also skilled in content writing, with experience in digital fiction and content research. Quick to learn, adaptable, and eager to grow in both technical and creative fields within a dynamic work environment.

## EXPERIENCE

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### Intern, Frogs Indonesia

September 2021 - January 2022

- Handled social media marketing tasks, including researching information about drones and creating infographics for social media content.
- Learned and gained basic knowledge related to drone assembly for spraying and aerial mapping purposes.

### Intern, PT Xentronic Inovasi Indonesia

August 2024 - December 2024

- Experienced in assembling battery packs for medical equipment
- Possesses a basic understanding of maintenance and repair of medical devices
- Familiar with basic 3D design concepts and tools

## EDUCATION

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### Power and Communication Electronics – SMKN 7 STM PEMBANGUNAN SEMARANG Aug 2019 - June 2022

- Graduated on time after 4 years of vocational education, focusing on Power and Communication Electronics Engineering.

### Assosiated in Electronic Engineering – POLITEKNIK NEGERI SEMARANG

September 2022 - NOW

- GPA 3.7 out of 4 in last semester, focusing on Low-Current Electronics and actively participating in research-based control system projects. Won a Gold Medal in an Internet of Things (IoT) competition (2024).

## ADDITIONAL INFORMATION

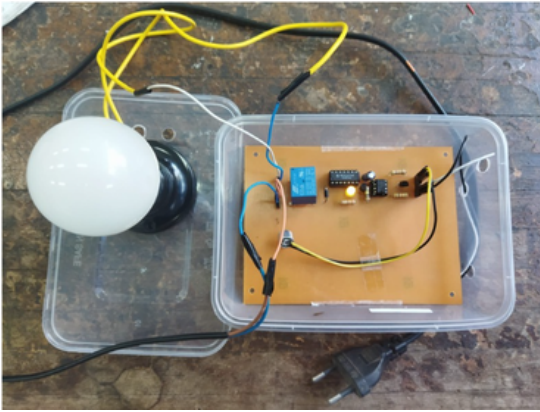
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- **Technical Skills:** Basic Electronics and Troubleshooting, Microcontroller Programming (Arduino, ESP32)
- **Additional Skills:** Content Writer
- **Languages:** English (Intermediate), Indonesia (Native)
- **Certifications:** TOEIC (Test of English for International Communication), Industry Automation
- **Awards/Activities:** Volunteered as a committee member in the student association, Participated in the Student Creativity Program (Program Kreativitas Mahasiswa / PKM). Competed in an international-level IoT competition and won a Gold Medal.

## ACADEMIC PROJECT

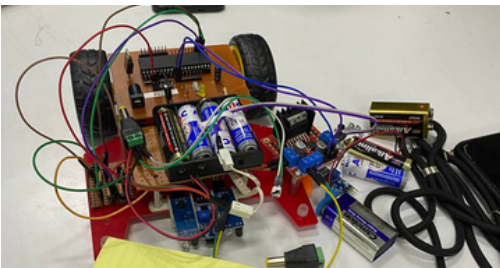
### Clap-Activated Light System

Course: Analog Electronics II (Group Project)



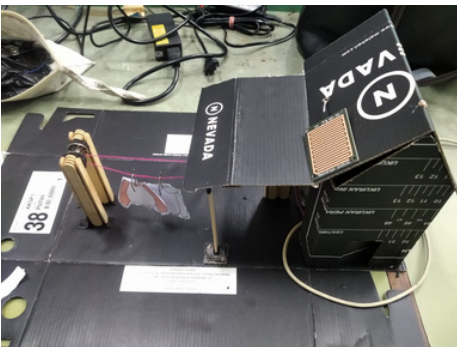
### Microcontroller and Line Follower Robot

Course: Microcontroller Laboratory (Group Project)



### Automatic Clothes Dryer System using Arduino Nano

Course: Design and Power Electronics Laboratory (Partner Project)



### Accuracy Testing Tool for Digital Sphygmomanometer (On Going)

Course: Final Project (Partner Project)

Created a system to measure and validate the accuracy of digital blood pressure monitors using an ESP32, pressure sensor, and solenoid valve. Implemented a touchscreen interface and custom control logic.

## COMPETITION ACHIEVEMENT

### Gold Medal - International IoT Competition

- Organized by IYSA (Indonesian Young Scientist Association), hosted by Diponegoro University (online)
- Project : Feedy: Fish Feeding System Based on IOT (internet Of Things) with Three Operational Modes.

