



## **Jamius Maruli Tua Napitupulu**

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### **Profile**

Graduate of Electrical Engineering from Satya Wacana Christian University Salatiga in 2022 with specialization in Electronic Instrument. Have the ability in designing and analyzing electronic circuits, PCB design, and also designing and programming embedded systems using a microcontroller. Throughout my studies, i was also actively involved in faculty organizational activities, which gave me the ability to work on a team, coordinate a team, and solve problems.

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### **Skills**

- Digital/Analog Electronic
- PCB Design (Altium Circuit Maker, Fritzing)
- Microcontroller (Arduino, ESP)
- Programming Language (C, C++)
- PLC (basic)
- Electrical Wiring
- Wiring Diagram
- Ms. Office

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### **Experience**

- **Practical work 2 at the study center UKSW (Sept 2020 – Dec 2020)**  
**Create Li-Po Battery SOC and SOH Monitoring System**  
Jobdesc : conduct research, analysis, design and manufacture of monitoring tools for Li-Po batteries using Arduino microcontroller for learning modules for new and renewable energy courses.  
Achievement : 1 pcs a prototype tool for monitoring SOC and SOH on Li-Po batteries that can monitor SOC and SOH on Li-Po batteries.
- **Practical work at the study center UKSW (Sept 2019 – Dec 2019)**  
Jobdesc : conduct research, analysis, repair and design of improvements to new and renewable energy power generators using multi generators for risers. Design of power management tools.

Achievement : 1 prototype of a new and renewable energy power generator from a stair step that can increase energy output efficiency by up to 85% from the previous 55%. Get knowledge about new and renewable.

- **Steering Committee of the Sport Week Event at Faculty ( Okt 2018 – Jan 2019)**

Jobdesc : leading committee meetings, providing criticism and suggestions to the committee and being in charge of the committee.

Achievement : 90% of the entire series of activities ran smoothly without changing the rundown of the event and get experience as person in charge of the committee.

- **Sub Coordinator of the Sport Week Event at Faculty as Badminton Coordinator (Okt 2017 – Jan 2018)**

Jobdesc : compiling schedules and match charts, completing all facilities on the field and controlling the badminton competition activities for 7<sup>th</sup> days.

Achievement : successfully run the badminton competition as schedules, gain experience to leading event and problem solving when the activities have an issues.

- **Badminton Interest Talent Committee in Faculty as Head of Badminton (Oct 2017 – Jul 2018)**

Jobdesc : coordinate and monitoring the badminton activities for 10 months, provide places and facilities used for the implementation of activities.

Achievement : succeeded in realizing the schedule and facilitating activities so that activities can run optimally.

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## **Education**

### **Satya Wacana Christian University (2015 – 2022)**

S1 – Electrical Engineering (GPA 3.02)

- Graduated with the final assignment “Battery Management System Prototype Design for 18650 3s Lithium-Ion Battery”.