

MA'RUF WAHYU PURNOMO



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Kota Tangerang, Banten

PROFILE

Ma'ruf Wahyu Purnomo (27) with a Bachelor's degree in **Mechatronics Engineering Education** from **Yogyakarta State University** with a GPA of a 3.45. Throughout his academic journey, he actively participated in the **Garuda UNY Team**, a student team under the University's Technology Engineering Student Activity Unit. Starting in 2017, he served as a member of the Electrical Division and last position as a leader for **Electrical Division**. He's still working at **PT. Hartanzah Manufaktur Indonesia** as **Senior Mechatronics Engineer**, he's lead team for manufacturing coffee roasting machine, electrical assembly, and electronics system for coffee roasting machine. He is skilled in PCB Layout and Schematic using **Autodesk Eagle**, and Embedded System Programming. His technical interest also include **mechanical design** using **Autodesk Fusion 360**. Known for his diligence, adaptability, and eagerness to learn, Maruf specialized in coffee roasting machines, embedded control systems, and TKDN-oriented local manufacturing. Experienced in leading technical teams, developing control applications, and supporting full product lifecycle from design and assembly to commissioning and customer training.

EDUCATION

Yogyakarta State University, August 2016 - August 2021

Faculty of Engineering, majoring in Mechatronics Engineering Education

- GPA: 3.45
- Former member of Garuda UNY Team in Electrical division – Yogyakarta State University (2018).
- Former Head of Electrical division at Garuda UNY Team – Yogyakarta State University (2019).

WORK EXPERIENCE

PT. Hartanzah Manufaktur Indonesia, November 2022 – Present

Senior Mechatronics Engineering

- Made an electrical system for coffee roasting machine with capacity of 1 kilogram until 25 kilograms so the customer feeling easy to operating the machine itself.
- Made a desktop application for controlling coffee roasting machine with the capacity of 25 kilograms.
- Made an android apps using flutter for controlling coffee roasting machine so it can make a roasting profile that could be duplicate to others machine.
- Assembling mechanical things on coffee roasting machine and also assembling electrical system on coffee roasting machine.
- Training for operating coffee roasting machine to customer also repairing customer machine if there's any trouble on their machine.

Launch Tech Co.,LTD, April 2025 – July 2025 (Remote)**Technical Product Support Specialist**

- Training to the customer and also training to the dealer about the diagnostic tool product and other automotive tools product.
- Made a training video about the diagnostic tool product.
- Repairing a broken product including a software and/or hardware of the product.

PT. Nanosense Instrument Indonesia, May 2021 – July 2022**Technical Expert**

- Lead Team of Mechanical Design with Great Quality Medical Device
- Manage workflow of a design product team, starting from designing prototype to test mass production.
- Supervise initial research to find the value of the business manage the design as well as material evaluation.
- Conduct material evaluation for product design improvement.
- Provide useful information about the targeted materials to select and/or develop them in a reliable and valid approach.
- Manage team testing device to ensure ergonomic process production with product life cycle.

ORGANIZATIONAL EXPERIENCE

Garuda UNY Team, 2018**Member of Electrical Division**

- Assisted in researching the Garuda UNY Team car, and preparing for the International Student Car Championship 2018, such as helped record research data to achieve the most efficient for the hybrid car.
- Maintain the performance of the Electrical System preparing for International Student Car Championship 2018 to achieve the most efficient between Internal Combustion Engine and Electric Motor.
- Manufacturing necessary components for Electrical Systems.

Garuda UNY Team, 2019**Head of Electrical Division**

- Conduct research for the Electrical Systems, such as research in electrical performance which included electric motor, battery and also made the wiring, preparing for International Student Car Championship 2019.
- Head of Electrical System of International Student Car Championship 2019, such as managing and planning all team activities during preparation and execution, conducting research, and handling administrative tasks related to the division.

ACHIEVEMENT

Korea Transportation Safety (TS) 2018

- The Best Rookie Electrical Category at International Student Car Competition at Korea Automobile Testing & Research Institute, Korea in 2019
- Best of the best Hybrid Category at International Student Car Competition at Korea Automobile Testing & Research Institute, Korea in 2018

Robotics and Industrial Applications 2020

- Participant at International Webinar with the topic "Robotics and Industrial Applications" Organized by Electrical Engineering Study Program, Universitas Negeri Yogyakarta in Collaboration with Electrical Engineering Study Program, Universitas Pendidikan Indonesia and Supported by IEEE Education Society Indonesia Chapter, Indonesia 2020

ADDITIONAL

- Language : Indonesian (native), English (intermediate)