



Yudhistira Yoga Semeru

Highly motivated and hardworking individual. Experienced in research projects of Mobile Robots and Underwater Vehicle. Field of Interest in Robotics, Control Systems, Autonomous Vehicles, AI, Deep Learning, and Visual Perception system.

About Me

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 yudsyoga@gmail.com

 Yudhistira Yoga Semeru

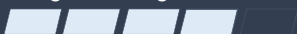
 yudzyoga.github.io

Skills

Robotics



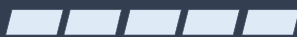
Programming



Mechanical and Electrical



Teamwork



Leadership



Creativity



Time Management



Languages

English



Japanese



For more information about my projects and also about me, kindly check my Github Pages and LinkedIn profile. Thank You !

Academic

Bachelor Degree of **Mechanical Engineering**, Minor **ing Mechatronics Engineering** in Bandung Institute of Technology (2015–2019)

Organization

- **Head of Mechanical Division**
Mobile Soccer Robotics Team 'DAGOZILLA' (2017 – 2018)
- **Advisor of Mechanical Division**
Mobile Soccer Robotics Team 'DAGOZILLA' (2018 – 2019)
- **Advisor of Mechanical Division**
Mobile Telepresence Robot Project 'DAGOZILLA' (2018)
- **Staff of Mechatronics Division**
Mobile Soccer Robotics Team 'DAGOZILLA' (2016 – 2017)

Achievements

- **1st Winner** in Kontes Robot Sepak Bola Beroda Regional 2 2018.
- **Best Strategy** in Kontes Robot Sepak Bola Beroda Regional 2 2019.
- **Best Strategy** in Kontes Robot Sepak Bola Beroda Regional 2 2018.
- **3rd Winner** of Game Development Competition on MAGE (Multimedia and Game Event) ITS 2018.
- **4th Winner** in Kontes Robot Sepak Bola Beroda Regional 2 2017.
- **Finalist** of Game Development Competition on MAGE (Multimedia and Game Event) ITS 2017.

Publications

- 'Design and Control System of Ball Handling Mechanism for Wheeled Mobile Soccer Robot.' Not yet published
- 'Hand Sign Translating Apparatus (HASTA)' in SKF (Seminar Kontribusi Fisika) 2018
- 'Earthquake detector using Accelerometer MPU6050 sensor in the Unbalanced – mass based prototype' in SKF (Seminar Kontribusi Fisika) 2018
- 'Wheeled Mobile Soccer Robot Platform Description v3' in 7th Indonesian Symposium on Robotic Systems and Control 2019.
- 'Wheeled Mobile Soccer Robot Platform Description v2' in 6th Indonesian Symposium on Robotic Systems and Control 2018.
- 'Wheeled Mobile Soccer Robot Platform Description' in 5th Indonesian Symposium on Robotic Systems and Control 2017

Working Experience

- **PT Multipolar Technology (8 Months)**. Become a Software Engineer in a banking-based IT consultant company in Indonesia. Involved in CIAM (Customer Identity and Access Management) implementation project for one of the biggest banking company in Indonesia.
- **PT ALTRU Automation Solutions (1.5 Months)**. Become a Mechanical Engineer that performs design, manufacture, and implement all the mechanical aspects of a sewing robotics system. It purposes to create fully autonomous system of a company in sewing fabric materials
- **Mechatronics Laboratory Assistant (1Year)**. Guides the 2nd, 3rd, and 4th year Mechanical Engineering students about laboratory works of electrical components, PLC, and Arduino system. The laboratory works divided into 4 different courses.
- **PT BAMEC Indonesia Intern (3 Months)**. Simulate the structure and fluid dynamics behavior of Personal Submarine Project
- **PT Robo Marine Indonesia Intern (2.5 Months)**. Intern as Mechanical Engineer that re-evaluate existing design of Autonomous Underwater Vehicle (AUV) using Computational Fluid Dynamics (CFD) and try to redesign the AUV that has the lower drag force while operates.