

EDHO DWI TIRWANDA

June 08, 1997 | Male | Indonesian

Jakarta, ID | P: +62 85889644070 | edhodwitirwanda@gmail.com | <https://www.linkedin.com/in/edho-dwi-tirwanda-63696916b/> | <https://tirwanda.com/>

EXPERIENCE

PT. Astra Honda Motor – Karawang, West Java

July 2019 – Present

Software Engineer – Assets Management (Web Apps)

- Build a full-stack web application to allow users to manage and generate reports on the performance of assets or production machines, using React js, Material Ui on the front end and using Spring Boot (Java), MySql, Redis and JWT on the back-end.
- Designed and coded unit/integration testing using JUnit, Mockito
- Help the all teams in software and hardware installation, figuring and fixing the broken parts.
- Used DevOps, Agile Principles and Github CI/CD

Process Engineer – New Line Project

- Teaching and Maintenance ABB arm robot and all Machine on Production Line
- Make Operation Standard Instruction Operators on Production Line.
- Make Safety Instruction for painting area.
- Support leading and divide tasks for operators on engineering sample trial.
- Make improvements activity to increase production capacity and production quality

EDUCATION

State Polytechnic of Jakarta – Depok, West Java

September 2015 – August 2018

Associate's Degree - Electrical Engineering – Electronics Control – 3,41

Binus University – South Jakarta, Jakarta

March 2021 – Present

Bachelor's degree - Binus Online Learning - Computer Science – 3,46

ORGANIZATION

Robotic Teams – State Polytechnic of Jakarta

June 2015 – May 2018

Responsible for RND of ABU Robocon Robot.

Chief of Psychorobotic PNJ – State Polytechnic of Jakarta

June 2016 – May 2017

Responsible for manage all team and helping students who want to learn about how to make Robots

ACHIEVEMENT

Participant of National ABU Robocon Contest

July 2016

As a Manual Robot programming and Electrical Design.

Participant of National ABU Robocon Contest

June 2017

As a Manual Robot programmer and Electrical Design.

Participant of Pekan Kreativitas Mahasiswa Nasional (PIMNAS)

August 2017

As a Team Leader and Programmer

Title: Integrasi Sensor Ultrasonik Dan Bluetooth Pada Sistem Buka- Tutup Palang Busway

4th Place of National ABU Robocon Contest

June 2018

As a Manual Robot Programmer

ADDITIONAL

Technical Skills

- Back-End : Spring Boot (Java), Kotlin, NodeJs / Express, C, Rest API.
- Front-End : React Js.
- Database : MySql, PostgreSQL, Redis, MongoDB.
- Versioning : Git / Github.

- DevOps : Docker, Github CI/CD.
- Cloud : AWS.
- Solid Design Principle, SDLC/Agile, TDD.
- Microcontroller/Microcomputer: Atmega Series, Arduino Series, STM32 Series.
- Programmable Logic Controllers: Omron(CX-One), Schneider(SoMachine), Mitsubishi(GX Works2).

Training

- Dicoding: Cloud Practitioner Essentials (Belajar Dasar AWS Cloud)
- Build With Angga: Full Stack JavaScript Developer
- Amigoscode: Full Stack Spring Boot & React (PROFESIONAL)
- Build With Angga: Svelte JavaScript Developer

PROJECT

Staycation

January 2021

Staycation is a web application to help people find a house, hotel, or apartment that can be used as a vacation spot

- Tools : ReactJs, Bootstrap Css, NodeJs / Express, Github.

Staycation Admin

January 2021

Staycation Admin is a web application to maintain and monitor the availability of houses, hotels or apartments on the Staycation website

- Tools : ReactJs, Bootstrap Css, NodeJs / Express, Github.

Face Mask Detection

August 2021

Face mask detection is an application that is used to monitor workers who do not wear masks who want to enter the factory area.

- Tools : Python, OpenCv, TensorFlow

Integrasi Sensor Ultrasonik Dan Bluetooth Pada Sistem Buka Tutup Palang Pintu Busway

August 2017

This system is used to minimize traffic violations at intersections or accident-prone points on busway lanes. This system works by connecting the busway doorstop with the busway using a bluetooth, the busway doorstop will open automatically based on the signal given by the busway which is between 15 to 25 meters and will close based on the detection results from the ultrasonic sensor.

- Components : ATmega16, Arduino, Bluetooth, Ultrasonic Sensor and Motor Servo.
- Tools: Arduino Ide, C Arduino, CV AVR.

ABU ROBOCON 2018

June 2018

The theme comes from a traditional game in ethnic region of Vietnam, namely ném còn (throwing shuttlecock). The goal of the game is to throw the shuttlecocks through the ring at height. In Vietnamese culture, the game is about celebration and making friendship.

In the game, each team are given a few shuttlecocks and needs to design two robots, one manual and one automatic robot. The manual robot needs to hand the shuttlecocks to the automatic robot, which attempts to throw the shuttlecocks through the rings (unlike the traditional game, there are three rings at various heights in this game). The winner can be achieved by points, or by immediate KO if the robots successfully throw the shuttlecocks through three rings, and for the highest ring, the shuttlecock lands on a golden disk on the opposite side.

- Components : Motor PG45, STMicrocontroller 32, Arduino, Proximity Sensor, Photo Diode, Rotary Encoder, Joy Stick, Solenoid Valve, Pneumatic.
- Tools : Arduino IDE, C, STM32CubeMx



EYX4R5MV6XDL

Diberikan kepada

Edho Dwi Tirwanda

Atas kelulusannya pada kelas

Cloud Practitioner Essentials (Belajar Dasar AWS Cloud)

15 Mei 2021

Narenda Wicaksono

Chief Executive Officer
Dicoding Indonesia

**SERTIFIKAT
KOMPETENSI**



Verifikasi Sertifikat

dicoding.com/certificates/EYX4R5MV6XDL

Berlaku hingga 15 Mei 2024



**KEMENTERIAN RISET, TEKNOLOGI, DAN PENDIDIKAN TINGGI
DIREKTORAT JENDERAL PEMBELAJARAN DAN KEMAHASISWAAN**

SERTIFIKAT

Nomor : 2077/B3.1/KM/2018

Diberikan kepada :

Nama : Edho Dwi Tirwanda

Tim : EL-FORZA 18

Perguruan Tinggi : Politeknik Negeri Jakarta

Sebagai Peserta divisi Kontes Robot ABU Robocon Indonesia (KRAI)

Pada Kontes Robot Indonesia (KRI) Tingkat Nasional Tahun 2018

Tanggal 10 s.d 13 Juli 2018 di Universitas Muhammadiyah Yogyakarta, Yogyakarta.



NIP. 196105191984031003



**KEMENTERIAN RISET, TEKNOLOGI, DAN PENDIDIKAN TINGGI
DIREKTORAT JENDERAL PEMBELAJARAN DAN KEMAHASISWAAN**

PIAGAM PENGHARGAAN

Nomor : 2077/B3.1/KM/2018

Diberikan kepada :

Nama : Edho Dwi Tirwanda
Tim : EL-FORZA 18
Perguruan Tinggi : Politeknik Negeri Jakarta

Sebagai peraih **Juara Harapan**

Divisi Kontes Robot ABU Robocon Indonesia (KRI)

Sesuai dengan Surat Keputusan Tim Juri Kontes Robot Indonesia (KRI) Nasional Tahun 2018

Nomor: 002/SK-DJ/KRI/UMY/2018 tanggal 13 Juli 2018

Pada Kontes Robot Indonesia (KRI) Nasional Tahun 2018

Tanggal 10 s.d 13 Juli 2018 di Universitas Muhammadiyah Yogyakarta, Yogyakarta.



Yogyakarta, 13 Juli 2018
Direktur Kemahasiswaan

Didin Wahidin

NIP. 196105191984031003



**KEMENTERIAN RISET, TEKNOLOGI, DAN PENDIDIKAN TINGGI
DIREKTORAT JENDERAL PEMBELAJARAN DAN KEMAHASISWAAN**

MAJLIS PENGHARBAAN

Nomor: 2030/B3.1/KM/2017

Diberikan kepada :

Nama : Edho Dwi Tirwanda

Perguruan Tinggi : Politeknik Negeri Jakarta

sebagai Peserta dalam Presentasi Ilmiah dan Penyajian Poster

skema Program Kreativitas Mahasiswa - Karsa Cipta (PKM-KC) dengan judul

"INTEGRASI SENSOR ULTRASONIK DAN BLUETOOTH PADA SISTEM BUKA-TUTUP PALANG (INTERSONIKA LUTUT PADA SI KATUP)"

pada Pekan Ilmiah Mahasiswa Nasional (PIMNAS) KE-30, tanggal 23 s.d 28 Agustus 2017 di Universitas Muslim Indonesia, Makassar.

Jakarta, 25 Agustus 2017

Direktur Jenderal Pembelajaran dan Kemahasiswaan

Prof. Intan Ahmad, Ph.D

NIP. 195805011986011001





STATEMENT OF ACHIEVEMENT

(NILEK NASIONAL : 01204.1.0057)

Serial No : I-B.JAS.2106.44.07433.8.18

This is to certify that

Edho Dwi Triwanda

has successfully completed
the **LPIA-EPT (English Proficiency Test)**
dated on **13th day of August 2018**

conducted by **LPIA Perumnas 3, Bekasi**

and has attained the following scores:

Listening Comprehension	: 53
Structure and Written Expressions	: 51
Vocabulary & Reading Comprehension	: 52
 Overall Score	 : 520

Certified by:


Joko Adi Siswanto, S.Pd.
Director of English Program Division

The Statement of Achievement is valid for 6 (six) months as of the above date.



Sertifikat Kelulusan

dengan bangga diberikan kepada

Edho Dwi Tirwanda

telah menyelesaikan dengan sangat baik kelas

“ Svelte JavaScript Developer “

01 January 2021 - MZMAiBOiUf

Riza Fahmi

MENTOR JAVASCRIPT DEVELOPER



Sertifikat Kelulusan

dengan bangga diberikan kepada

Edho Dwi Tirwanda

telah menyelesaikan dengan sangat baik kelas

“ Full-Stack JavaScript Developer “

27 February 2021 - ICIITsWSQT

Elfin Sanjaya

MENTOR BACK-END

Angga Risky

MENTOR DESIGN

Yein Narayana

MENTOR FRONT-END