



Dennis Putra Hilmansyah

+62 881036466459 | denniez.hilmansyah29@gmail.com | Sidoarjo, Jawa Timur

Fresh Telecommunication Engineering graduate from Politeknik Elektronika Negeri Surabaya with experience in Networking, IT, IoT, web programming, Telephoni and artificial intelligence. I like challenges and trying a new things. Good communication skills, lifelong learner, strong attention to detail, problem solving skills. I am looking for a starting position to broaden my skills and apply my knowledge in this area.

PROJECT EXPERIENCES

Final Project Competition

January – June 2023

- Vehicle Counting and Classification System – Surabaya, East Java
- Create a system to detect and count vehicles passing on the highway using Deep Learning
 - Creating a system using Jetson Nano and Linux
 - Programming to create the system using the python programming language
 - The method used is convolutional neural network
 - Model building using google colab server
 - Make detection using bounding box and region of interest lines to perform the calculation process

Internship as Observer and Technician

July – September 2022

- Stasiun Meteorologi Maritim II Tanjung Perak – Surabaya, East Java
- Send observation data to the international website to exchange data internationally
 - Assisting observers for weather observation
 - Perform observation tool maintenance
 - Assist in repairing observation tools if problems occur
 - Conduct regular checks on all weather forecasting equipment
 - Create a project to measure wave height using ESP32 and LiDAR sensor
 - Perform weather mapping using python programming

EDUCATION

Associate Degree of Telecommunication Engineering

September 2020 – July 2023

- Politeknik Elektronika Negeri Surabaya – Surabaya, East Java
- Achieved IPK 3.72 / 4.00 with Cumlaude predicate
 - By creating the final project entitled “**Vehicle Calculation and Classification System for Average Daily Traffic (ADT) Data Using SSD Mobilenet V2**” which uses lot and Artificial Intelligence system. (Linux and Python)
 - Learn about Digital Electronic, Signal Processing, Programming, Communication System, and Networking.

CERTIFICATIONS

Junior Network Administrator – VSGA Digital Talent Scholarship by Kominfo	2023
TOEFL Score (450) – PENS Language and Culture Center (PLCC)	2023
Final Project Competition – Politeknik Elektronika Negeri Surabaya (PENS)	2023
Internship Certificate – Stasiun Meteorologi Maritim II Tanjung Perak Surabaya	2022
LKMM TD PENS – HIMA Telkom PENS	2021
LKMM Pra-TD PENS – BEM PENS	2020

SKILLS

Hard-Skill	Microsoft Office (Word, Excel, PPT), Networking, Phyton, Html, CSS, PHP, Linux, Arduino, C Language, Java.
Soft-Skill	Problem Solving, Communication, Teamwork, Analytical Skills, Adaptive.
Bahasa Indonesia	Native
English	Intermediate



DENNIS PUTRA HILMANSYAH

~PORTOFOLIO~



Sidoarjo, Jawa Timur, Indonesia



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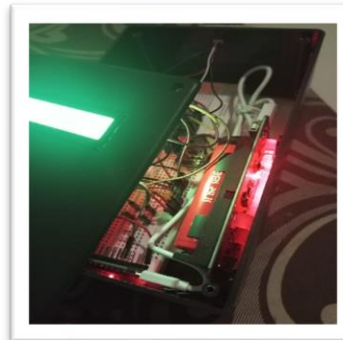


www.linkedin.com/in/dennisputrahilmansyah

PROJECT

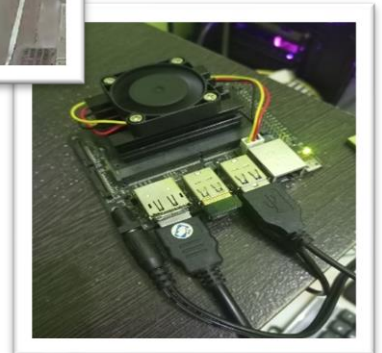
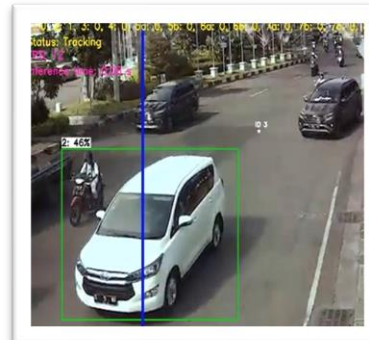
Design of an ESP32-based Tidal and Wave Height Monitoring System

In this project, a tool is made to monitor tides and wave heights in real time. The sensor used is a LiDAR sensor. The working principle of the laser sensor in LiDAR is to calculate the distance based on the time interval information needed for the laser beam to travel from the transmitter, to return to the receiver. This project uses C language programming.



Vehicle Counting and Classification System for LHR Data Using SSD MobileNet V2

In this project, a system is created to be able to detect vehicles using deep learning. The detected vehicles will be classified based on the type of vehicle and then the system will calculate the number of vehicles passing on a road section. This project uses the Convolutional Neural Network method with SSD MobileNet V2 mode. This project uses python programming and jetson nano as a computing tool.





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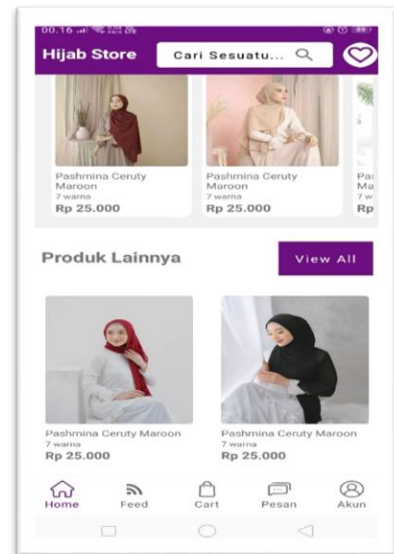
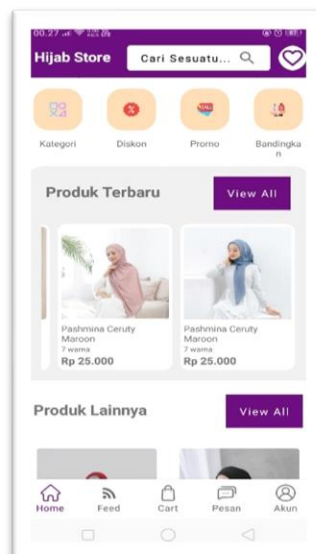
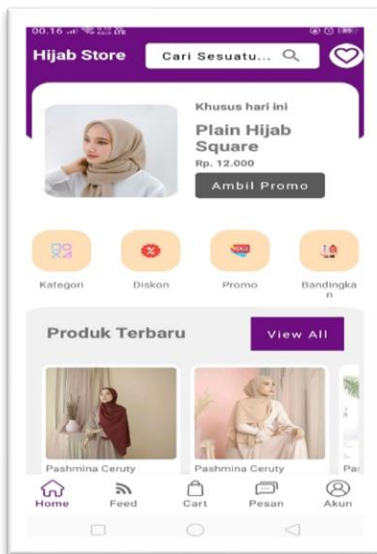
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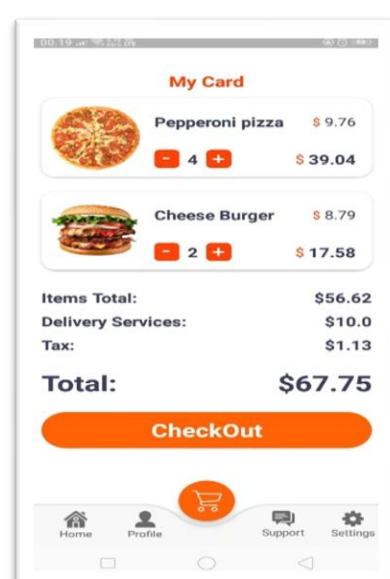
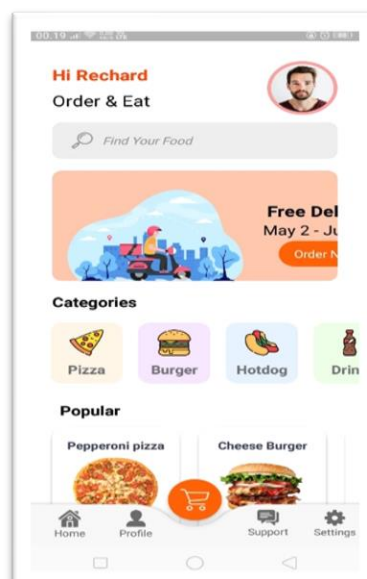
www.linkedin.com/in/dennisputrahilmansyah

UI/UX DESIGN

Design Aplikasi Penjualan Hijab



Design Aplikasi Penjualan Makanan





No. : PIN : 204022023000175

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI
POLITEKNIK ELEKTRONIKA NEGERI SURABAYA

(SK Mendikbud Nomor 0313/O/1991, Tanggal 6 Juni 1991)

(SK Akreditasi BAN-PT Nomor 12825/SK/BAN-PT/Ak-PPJ/Dipl-III/XII/2021, Tanggal 25 Nopember 2021)

Dengan ini menyatakan bahwa:

Dennis Putra Hilmansyah

(NIK : 3515022907000001)

lahir di : *Gresik* pada tanggal *dua puluh sembilan* bulan *Juli* tahun *dua ribu*
yang diterima sebagai mahasiswa pada tahun 2020 dengan nomor registrasi : **2220500021**
telah menyelesaikan dan memenuhi persyaratan Pendidikan Diploma Tiga (D3)
Departemen Teknik Elektro, Program Studi Teknik Telekomunikasi pada tanggal 13 Juli 2023

Oleh sebab itu kepadanya diberikan gelar :

Ahli Madya Teknik (A.Md.T.)

beserta hak dan kewajiban yang melekat pada gelar tersebut.

Diterbitkan di Surabaya pada tanggal 17 Juli 2023.

KETUA DEPARTEMEN

Dr. I Gede Puja Astawa, S.T., M.T.

NIP. 196702271994031001

PENS 0003320



DIREKTUR



Aliridho Barakbah, S.Kom., Ph.D.

NIP. 197308162001121001

PENS

Nomor Ijazah Nasional (National Decree Number) : 204022023000175
Departemen (Department of) : Teknik Elektro (Electrical Engineering)
Program Studi (Study Program) : Program Studi Diploma Tiga (D3) Teknik Telekomunikasi (Advanced Diploma Program of Applied Engineering in Telecommunications Engineering)
Tanggal Masuk (Entrance Date) : 04-09-2020
Tanggal Lulus (Graduation Date) : 13-07-2023
Lama Studi (Length of Study) : 6 Semester

Nama (Name) : Dennis Putra Hilmansyah
NRP (ID Number) : 2220500021
Tempat, Tanggal Lahir (Place, Date of Birth) : Gresik, 29 Juli 2000
Indeks Prestasi (GPA) : 3.72

Predikat (Predicate) : Dengan Pujian (Cumlaude)
Gelar (Degree) : Ahli Madya Teknik (A.Md.T.) (Advanced Diploma of Applied Engineering)



No	Kode (Code)	Mata Kuliah	Subjects	SKS (Credits)	Jam (Hours)	Nilai (Grade)
Semester 1						
1	VT031101	Elektromagnetika 1	Electromagnetic 1	2	3	AB
2	VT031102	Rangkaian Listrik 1	Electric circuit 1	2	3	B
3	VT031103	Elektronika Dasar	Basic Electronic	2	3	AB
4	VT031104	Sistem Logika	Logic System	2	3	AB
5	VT031105	Dasar Pemrograman	Basic Programming	2	3	AB
6	VT031106	Praktikum Elektronika Dasar	Practice on Basic Electronic	1	3	AB
7	VT031107	Praktikum Sistem Logika	Practice on Logic System	1	3	A
8	VT031108	Praktikum Dasar Pemrograman	Practice on Basic programming	1	3	AB
9	VT031109	Workshop Pengukuran Listrik	Workshop on Electrical Measurement	2	4	B
10	VT031201	Bahasa Inggris 1	English 1	2	2	AB
11	VT031202	Agama	Religion	2	2	A
12	VT031203	Matematika 1	Math 1	2	2	AB
Semester 2						
13	VT032101	Elektromagnetika 2	Electromagnetics 2	2	3	A
14	VT032102	Rangkaian Listrik 2	Electric Circuit 2	2	3	AB
15	VT032103	Rangkaian Elektronika	Electronic Circuit	2	3	A
16	VT032104	Elektronika Digital	Digital Electronic	2	3	AB
17	VT032105	Pemrograman Lanjut	Advance Programming	2	3	A
18	VT032106	Praktikum Elektromagnetika	Practice on Electromagnetic	1	3	B
19	VT032107	Workshop Rangkaian Komponen Pasif	Workshop on Passive Component Circuit	2	4	A
20	VT032108	Praktikum Rangkaian Elektronika	Practice on Electronic Circuit	1	3	AB
21	VT032109	Praktikum Elektronika Digital	Practice on Digital Electronic	1	3	AB
22	VT032110	Praktikum Pemrograman Lanjut	Practice on Advanced Programming	1	3	A
23	VT032201	Bahasa Inggris 2	English 2	2	2	AB
24	VT032202	Matematika 2	Math 2	2	2	A
25	VT032203	Kewirausahaan	Entrepreneurship	2	2	A
Semester 3						
26	VT033101	Dasar Sistem Komunikasi	Basic of Communication System	2	3	B
27	VT033102	Mikrokontroler	Microcontroller	2	3	A
28	VT033103	Komunikasi Data	Data Communication	2	3	AB
29	VT033104	Saluran Transmisi	Transmission Media	2	3	AB
30	VT033105	Praktikum Dasar Sistem Komunikasi	Practice on Basic of Communication System	1	3	AB
31	VT033106	Workshop Microprocessor & Antar Muka	Workshop on Microprocessor & Interface	2	4	AB

No	Kode (Code)	Mata Kuliah	Subjects	SKS (Credits)	Jam (Hours)	Nilai (Grade)
32	VT033107	Praktikum Komunikasi Data	Practice on Data Communication	1	3	A
33	VT033108	Praktikum Saluran Transmisi	Practice on Transmission Media	1	3	AB
34	VT033109	Workshop Pengukuran & Instrumentasi Gel. Radio	Workshop on Radio Wave Measurement and Instrumentation	2	4	AB
35	VT033110	Workshop Metode Numerik	Workshop on Numerical Method	2	4	A
36	VT033111	Workshop Elektronika Komunikasi	Workshop on Communication Electronic	2	4	AB
37	VT033201	Bahasa Inggris 3	English 3	2	2	A
Semester 4						
38	VT034101	Jaringan Komputer	Computer Networks	2	3	AB
39	VT034102	Antena Propagasi	Antenna Propagation	2	3	A
40	VT034103	Sistem Rangkaian Komunikasi	Communication Circuit System	2	3	AB
41	VT034104	Rekayasa Trafik Telekom	Telecommunication Traffic Engineering	2	3	A
42	VT034105	Sinyal Sistem	Signal and System	2	3	A
43	VT034106	Praktikum Jaringan Komputer	Practice on Computer Networks	1	3	A
44	VT034107	Praktikum Antena Propagasi	Practice on Antenna and Propagation System	1	3	A
45	VT034108	Praktikum Sistem Rangkaian Komunikasi	Practice on Communication Circuit System	1	3	AB
46	VT034109	Workshop Jaringan Teleponi	Workshop on Telephony Network	2	4	AB
47	VT034110	Praktikum Sinyal Sistem	Practice on Signal and System	1	3	A
48	VT034201	Bahasa Inggris 4	English 4	2	2	AB
49	VT034202	Statistik dan Probabilitas	Statistic and Probabilities	2	3	A
50	VT034203	Bahasa Indonesia TTKI	Writing on Scientific Paper	2	2	A
Semester 5						
51	TT030201	Kerja Praktek 3 bulan	3 Months Job Training	10	20	A
52	TT034301	Proposal Proyek Akhir	Final Project Proposal	1	3	A
53	KP000002	Etika dan Profesionalisme	Ethics and Professionalism	2	2	AB
Semester 6						
54	TT036301	Proyek Akhir	Final Project	4	12	A
55	TT040401	Workshop Pemrograman Internet	Internet Programming Workshop	2	4	AB
56	WNS30002	Pancasila	Pancasila	2	2	A
57	WNS30003	Kewarganegaraan	Citizenship	2	2	A

Proyek Akhir (Final Project)
Sistem Penghitung dan Klasifikasi Kendaraan untuk Data Lalu Lintas Harian (LHR) Menggunakan SID Moduler V2

Catatan Nilai (Grade Explanation)

A	Istimewa (Excellent)	4
AB	Baik Sekali (Very Good)	3.5
B	Baik (Good)	3
BC	Cukup Baik (Sufficient)	2.5
C	Cukup (Fair)	2
D	Kurang (Poor)	1
E	Kurang Sekali (Very Poor)	0
Jumlah SKS Total Credits : 109 sks		

Pembimbing (Supervisors)

1. Hanfan Mahmudah, ST, MT
2. Rahardhita Widayatra Sudibyo, S.ST., MT, Ph.D.

Surabaya, 17 Juli 2023
Direktur (Director)



Alindho Barakbah, S.Kom., Ph.D.
NIP. 197308162001121001



SERTIFIKAT

Diberikan kepada:



**DENNIS PUTRA
HILMANSYAH**

2220500021

**Politeknik Elektronika Negeri
Surabaya**

Telah melaksanakan Kegiatan Praktik Kerja Lapangan (PKL) / Magang dari tanggal 28 Juli sampai dengan 30 Agustus 2022, meliputi 120 jam kegiatan, diselenggarakan di Stasiun Meteorologi Maritim Tanjung Perak Surabaya

A blue ink signature of Daryatno is written over a green diagonal background element.

DARYATNO

Kepala Stamar Tanjung Perak Surabaya



4891/PL14/PB/2023

PENS ENGLISH PROFICIENCY TEST (PEPT)

CERTIFICATE of ACHIEVEMENT

THIS IS TO ACKNOWLEDGE THAT

Dennis Putra Hilmansyah

HAS SUCCESSFULLY COMPLETED THE
PENS ENGLISH PROFICIENCY TEST (PEPT)

held in June 20, 2023

at PENS Language and Culture Center with an achievement
covering the subjects as stated:

Listening Comprehension	: 500
Structure and Written Expression	: 440
Reading Comprehension	: 410
Score	: 450



Aliridho Barakbah, S.Kom., Ph.D.

NIP. 197308162001121001

Valid for 2 (two) years from date of issue.