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About Me

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Work Experiences

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Project

# PORTOFOLIO





# ABOUT ME

Hello, I am Angel Gracia Simamora, a fresh graduate of the Computer Technology at the Del Institute of Technology. I have experience in Web Development, Internet of Things, Cloud Computing, Embedded Systems.

# EDUCATION

## University

Institut Teknologi Del | 2022



About Me Education Work Experiences Organisational Project



# WORK EXPERIENCES

## IT Intern

PT Belawan New Container Terminal | 2025





# ORGANISATIONAL

**Himpunan Mahasiswa Teknologi  
Komputer (HIMATEK)**  
Division Public Relations

**Cisco Networking Academy**  
Student

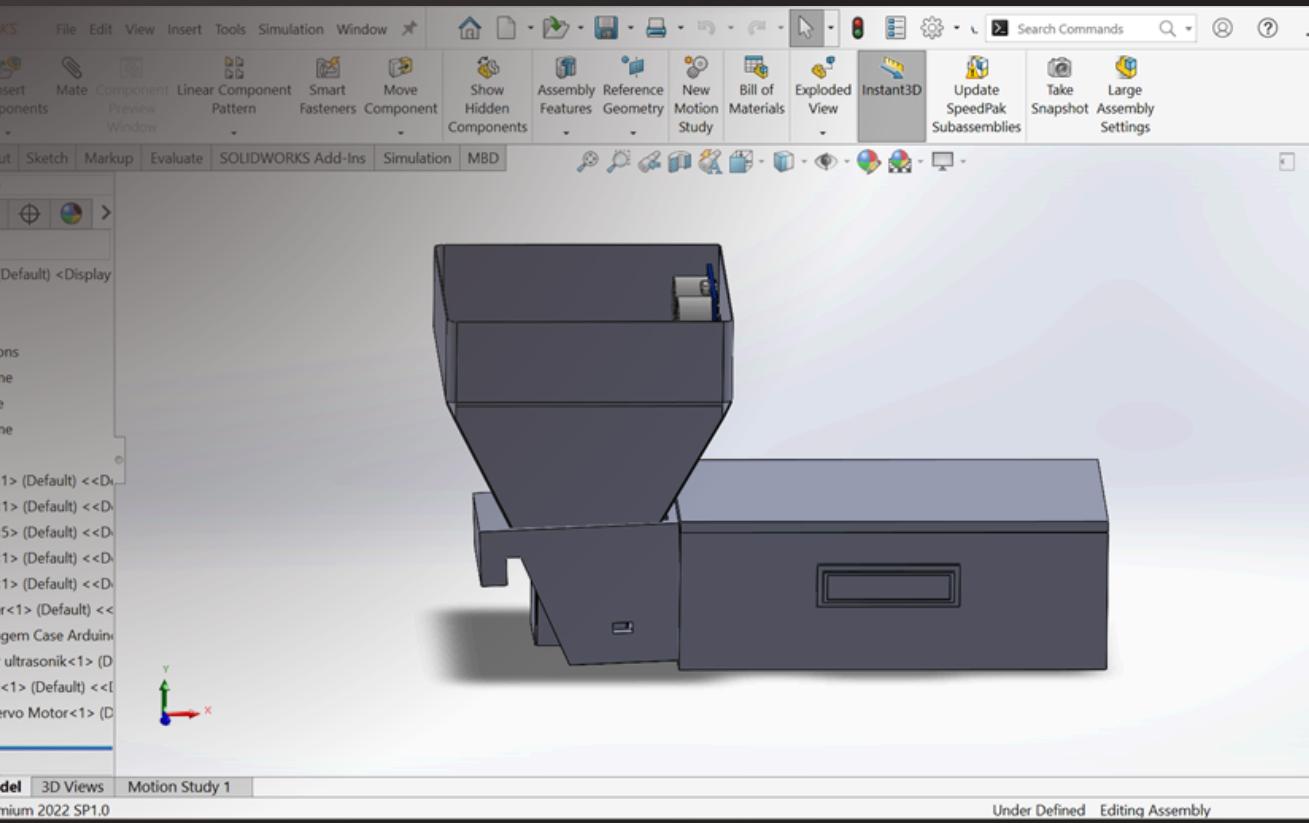
**Huawei**  
Student

**Komisi Pemilihan Umum HIMATEK  
(KPU HIMATEK)**  
Head of Supervision and Security



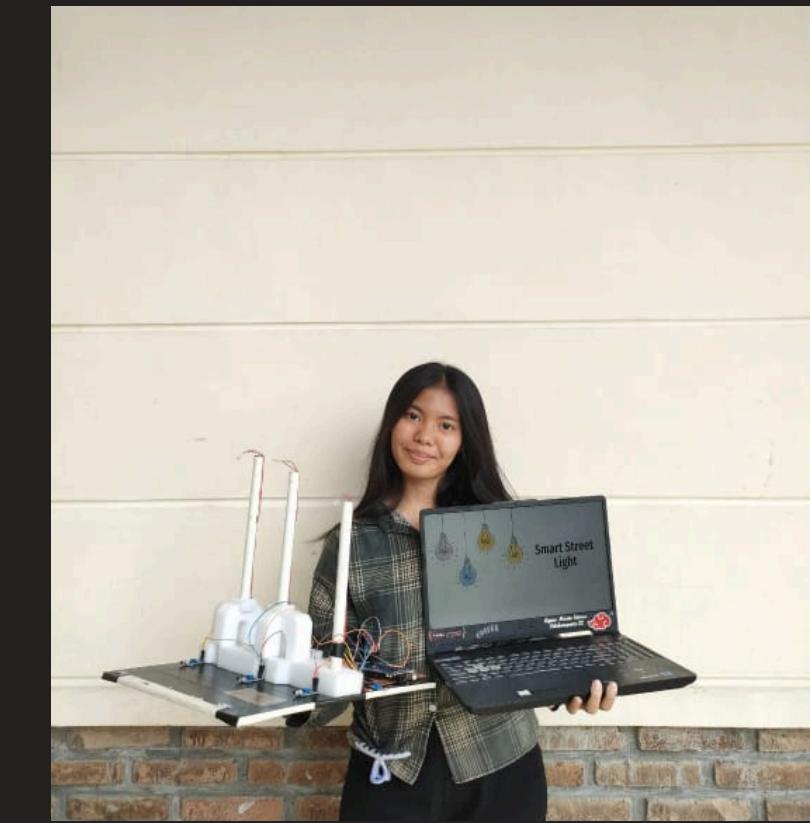
## Internet Of Things

I developed an IoT-based automatic temperature and humidity monitoring and control system for oyster mushroom cultivation, integrating sensors and control mechanisms to maintain optimal environmental conditions. This system enables real-time monitoring, automates processes to enhance efficiency, and ensures consistent conditions for improved mushroom growth.



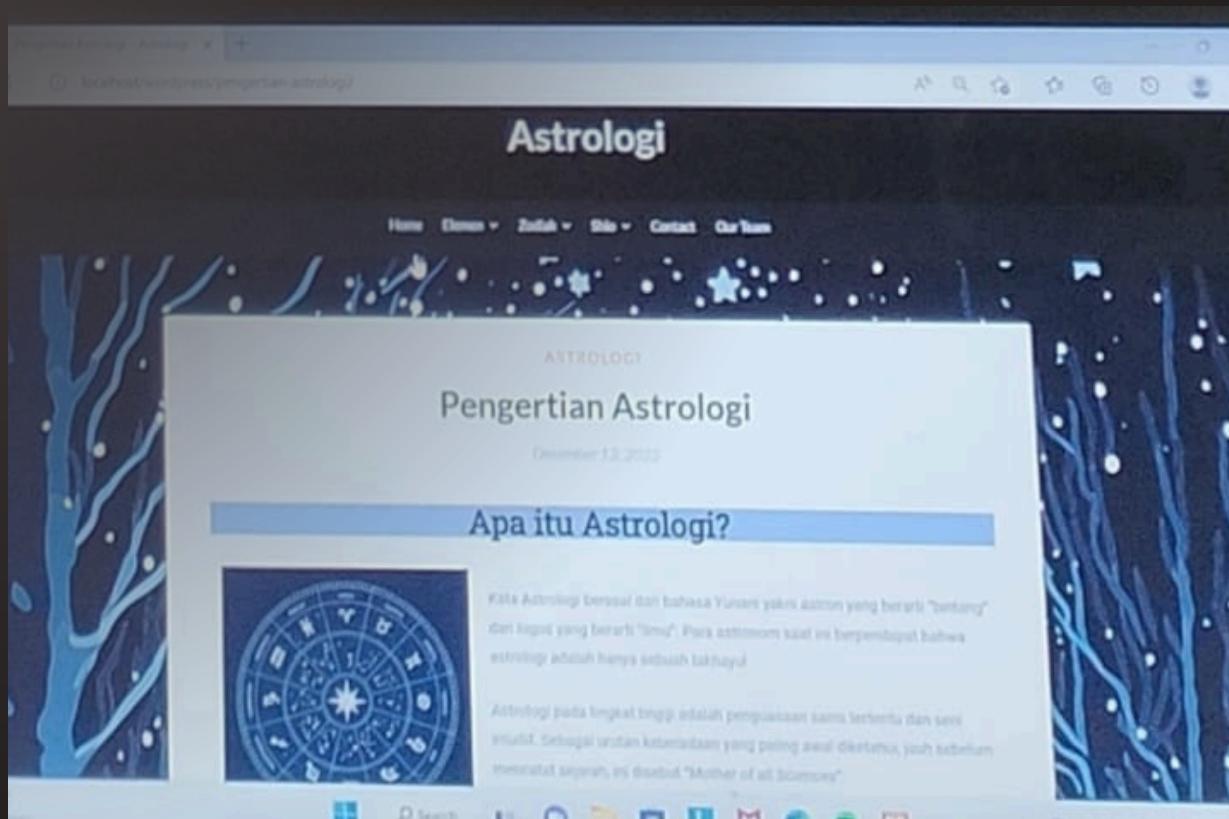
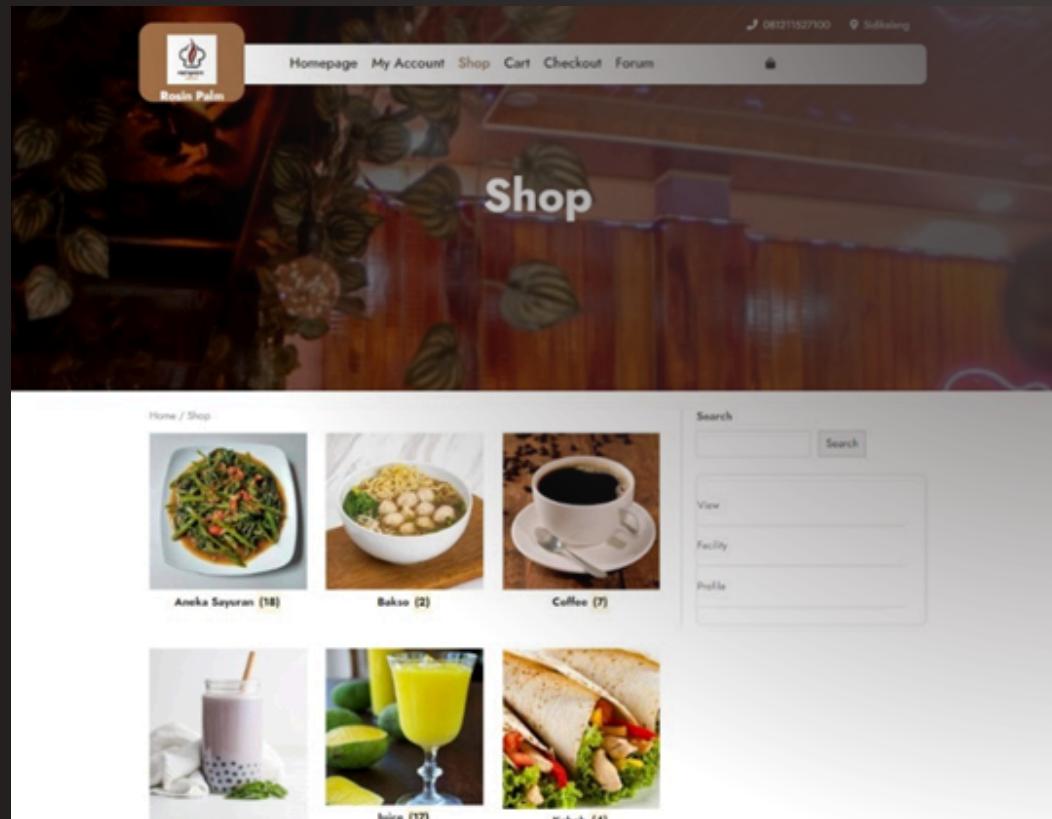
## Solidworks

I designed and developed a prototype for an Automatic Fish Feeder, utilizing SolidWorks for precise product modeling and integrating Arduino Uno-controlled electronic components to automate feeding based on schedules or fish detection. The functional and reliable prototype minimizes manual intervention, ensuring efficient and consistent fish feeding.



## Embedded System

I developed an automatic street lighting system that adjusts light intensity based on real-time traffic and pedestrian presence, integrating sensors to detect pedestrians, cyclists, and vehicles. This adaptive system regulates LED streetlights to conserve energy while ensuring road safety through responsive, on-demand lighting.



## WordPress

I developed a WordPress-based website for Rosin Palm Restaurant, featuring an interactive menu with easy navigation for viewing options, prices, and details. The backend functionality enables dynamic management and updates of menu items, supported by comprehensive documentation outlining the website's structure and usage.

Developed a WordPress website for an Astrology platform, featuring information on astrology, zodiac signs, elements, and contact details. Designed a user-friendly frontend for easy navigation and implemented backend functionality for dynamic content management.

## Basic Electronics

I designed and assembled an electronic rain detection circuit using a PCB-mounted rain sensor to detect moisture and trigger an alarm. The system was built for optimal functionality, ensuring robustness and reliability for accurate rain detection and timely alarm activation.



# Web Development

A PHP-based school website manages student records, grades, timetables, and attendance with secure database integration. A Laravel-based hotel booking system simplifies reservations, room management, and payments with user authentication and dynamic booking calendars. A JavaScript and HTML DOM-powered Angel Shop website showcases smoothies, juices, and cookies, featuring a homepage, menu, login, and footer. A Toba cuisine website highlights traditional dishes, and a CIS login and registration system allows secure user access for managing personal data and transactions.

The screenshot shows a smoothie bowl with various toppings like berries, nuts, and coconut flakes. Overlaid text says "Welcome AngelShop In Here". Below the image, there's a pink navigation bar with "Beranda", "Menu", and "Login" links. The main content area has three columns: "Smoothie", "Kue Kukis", and "Macam-macam smoothie". The "Smoothie" section describes smoothies as mixtures of fruits, sugar, syrup, and ice. The "Kue Kukis" section describes kue kukis as small, sweet, and soft cookies. The "Macam-macam smoothie" section lists six types of smoothies: Apel, Blueberry, Strawberry, Pisang mix Blueberry, Mangga, and Buah Naga.

The screenshot shows a landscape background with a lake and mountains. The main content area has two sections: "Beranda" and "Daftar Pesanan". The "Beranda" section features images of "Mie Gomak" and "Pecel Lele". The "Makanan Populer" sidebar lists "Ombus-ombus", "Ongol-ongol", "Klepion", "Lampet", "Pohul-pohul", and "Sasagun".

**We Need To Verify Your Identity**

Type your email here

**Registration**

First Name :

Last Name :

Birthday :

Gender :  Male  Female

Hobby :  Reading  Singing  
 Watching  Dancing

Adress :

Prodi :

# THANK YOU

That's my portfolio so far.

