# Dwi Lady Pandiangan

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## PROFIL

I am a 6th-semester Informatics student with a strong interest in System Analysis and Web Development. Skilled in gathering and analyzing system requirements, designing technical specifications, and creating system documentation to ensure efficient and user-centric solutions. Currently developing expertise in Web Development, focusing on HTML, CSS, JavaScript, Laravel, and React, with a keen interest in integrating system analysis and technology implementation to build innovative and effective web solutions.

## EDUCATION

**Del Institute of Technology** *(Agst 2022 – Present)*
Informatics – temporary GPA : 3.58 / 4.00
**Relevant Subjects**: Web Programming, Interaction Design, System Analysis and Design, Human-Computer Interaction.

## EXPERIENCE

**Student Teaching Assistant for Software Engineering** *(Feb 2025 – Present)*
*Student Member*
- Teaching software planning, analysis, design, implementation, testing, and maintenance.
- Guided students in creating Use Case Diagrams (UCD), User Stories, Use Case Scenarios, Entity-Relationship Diagrams (ERD), Activity Diagrams, Class Diagrams, Swimlane Diagrams, and other system modeling techniques.
- Instructing on how to use essential planning tools, such as draw.io for UCD, ERD, Class Diagrams, and Coda for project management and workflow organization.

**Student Teaching Assistant Discrete Mathematics** *(Sep 2023 – Nov 2023)*
*Student Member*
- Assisted in teaching combinatorics, relations, graph theory, trees, and finite-state machines in the context of computer science.
- Guided students in understanding Graph Theory, including Minimum Spanning Trees and its applications.
- Taught Finite-State Machines, Turing Machines, and Language Recognition, essential for computation and formal language theory.

## PROJECT

**SiMBA Application** *(2025)*
- Create applications for student guidance : counseling, violations, and guardianship
- As the Head of Analysis, I am responsible for ensuring the successful execution of the analysis results from all three teams
- As an analyst in the 'Guardianship' section I am responsible for gathered requirements, analyzed necessary features for the SiMBA website and created system documentation.
- Defined system implementation constraints, API endpoints, and maintenance strategies to ensure optimal performance and scalability.

**SiS Application | https://github.com/twinklestar-o/proyek-besar** *(2024)*
- Create a parent information system application that displays information about their children at college
- Gathered requirements, analyzed necessary features for the SiS website, and created system documentation
- Created system documentation, including Use Case Diagrams (UCD), Use Scenarios, User Stories, ERD, Class Diagrams, and Activity Diagrams to facilitate UI/UX design and development.
- Defined system implementation constraints, API endpoints, and maintenance strategies to ensure optimal performance and scalability.

**PKM Application | https://github.com/delcom-itdel/pabwe-pkm-proyek-2024-k2** *(2024)*
- Developed a website providing school information for SMA N 1 Balige.
- Implemented CRUD functionalities using the Laravel PHP framework.
- Integrated a database system to efficiently store and manage data.

**Auction Application | https://github.com/delcom-itdel/pabwe2024-k7-aucations** *(2024)*
- Developed an auction application with CRUD functionalities using the Laravel PHP framework.
- Integrated API services to create a dynamic and interactive application.
- Enhanced user experience by adding CSS animations for better visual appeal and interactivity.

# ADDITIONAL INFORMATION

- **Skills :**

  Web Development : PHP, Laravel, C, Bootstrap, JavaScript, React, Java, Python, Kotlin
  Tools : GitHub, Coda, Postman, Draw.io
  Database : SQLyog
  Creative Design : Figma, Canva, Adobe Photoshop, Blender
  Soft Skill : Public Speaking, Communication, Analytical and Critical Thinking, Teamwork, Problem Solving
  Language : Bahasa Indonesia (Native), English