Hi, I'm Khalied Nauly Maturino.

Mobile & Web Developer

I'm a Software Developer and Bangkit Academy 2024 graduate with a strong background in Information Systems from Universitas Andalas. Experienced in building modern mobile applications and web-based systems, specializing in Android development (Kotlin/Jetpack Compose), Cross-Platform development (Flutter), and scalable web solutions.



Contact

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My Skills and Development

Technical Expertise & Continuous Growth

Combining mobile innovation, scalable web solutions, and a passion for building impactful digital products.

Mobile Engineering Specialist

I specialize in building high-performance mobile applications using Kotlin with Jetpack Compose for modern, native Android experiences. Additionally, I utilize Flutter to deliver efficient cross-platform solutions, ensuring seamless functionality and intuitive designs across different devices.

Full-Stack Web Development

To support robust mobile ecosystems, I develop scalable backend architectures using Laravel and Express.js. My expertise extends to designing relational databases with MySQL and creating intuitive admin dashboards that bridge the gap between user apps and management systems.

Tools & Workflow

I maintain a streamlined development workflow using Git and GitHub for precise version control and team collaboration. Proficient in Android Studio and VS Code, I also leverage design tools like Figma to ensure accurate design-to-code implementation and efficient project delivery.

Professional Leadership

Beyond code, I bring strong leadership and problem-solving skills honed through roles as a Laboratory Coordinator and Hackathon PIC. I thrive in collaborative environments, effectively communicating complex technical ideas and managing projects from planning to execution.

What I've Built

Section A: Mobile Application Development

Whistleblowing System DPMPTSP Mobile

An integrated Android-based platform designed to report and track misconduct (such as illegal levies, corruption, or nepotism) by staff at the One-Stop Investment and Integrated Service Office (DPMPTSP) of Padang City.

- Secure chat between Verificator Admin and Reporter
- Anonymous reporting with unique tracking codes
- Full integration with a web-based backend



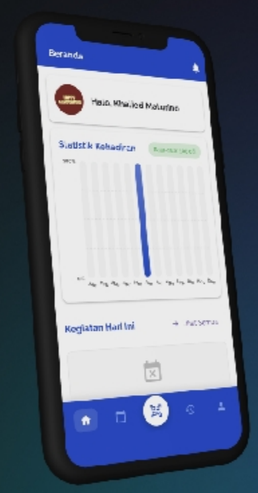
Tech Stack:
Kotlin, Jetpack Compose, Express.js (for Backend), MySQL

TeleMetri Mobile

A cross-platform attendance and management application developed for the administrators of the Neo Telemetri organization. It digitizes administrative workflows regarding attendance and scheduling.

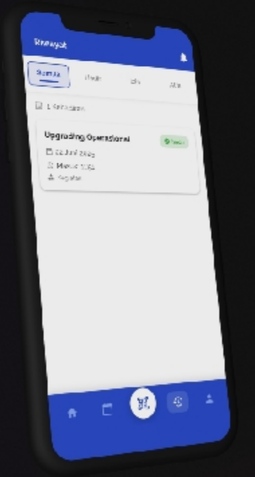
Geo-fenced attendance using QR Code scanning to verify location

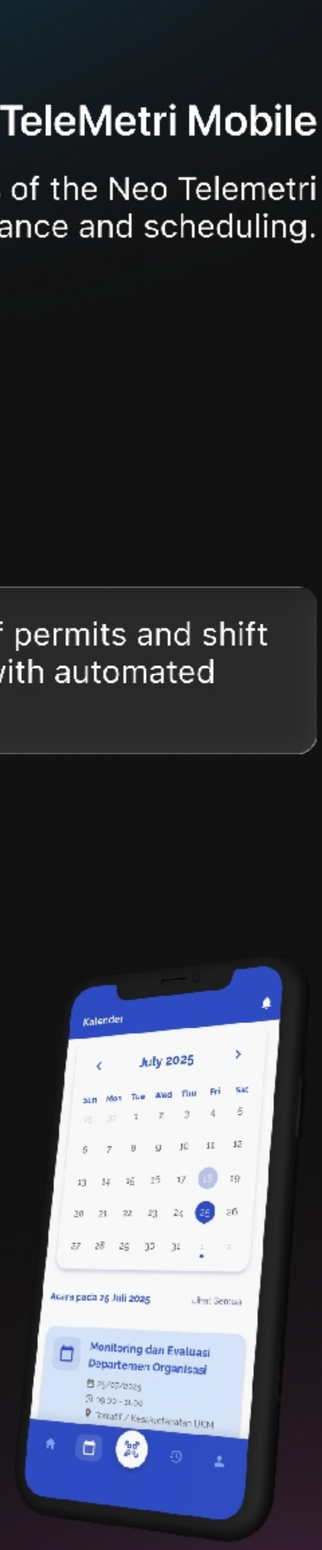
Management of permits and shift replacements with automated notifications







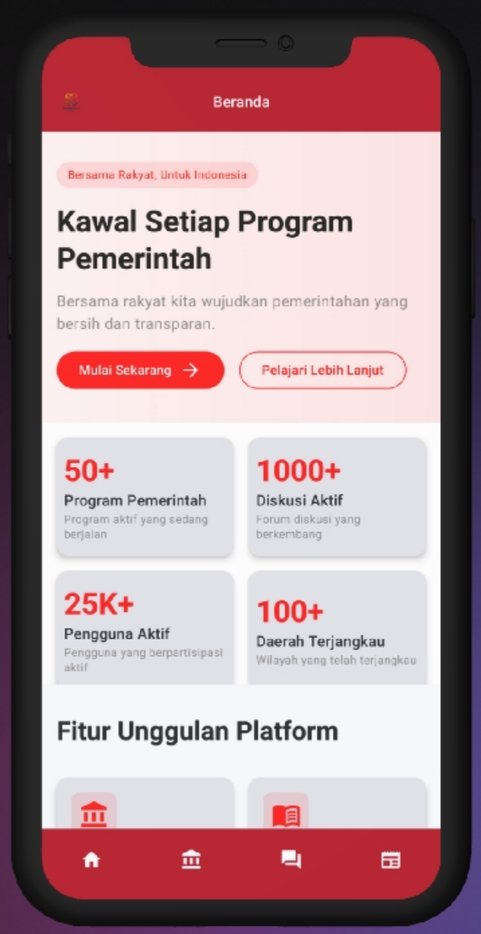




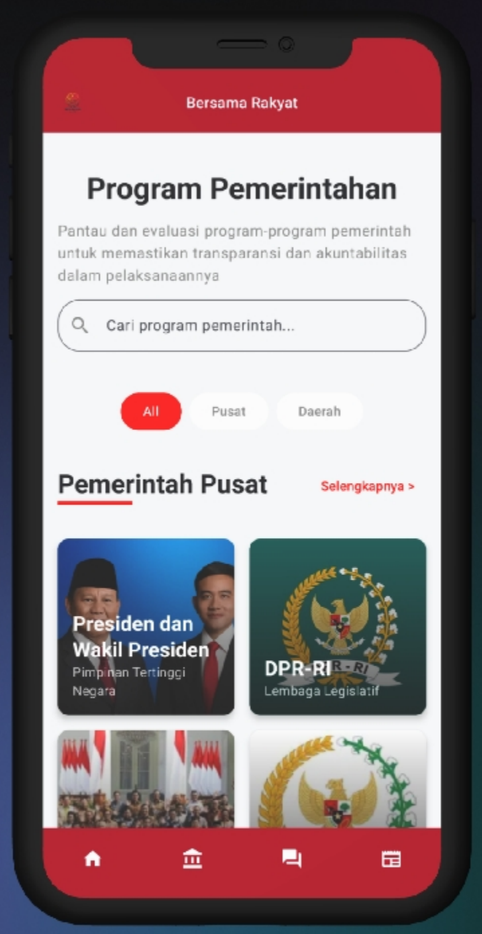
Tech Stack:
Flutter, MySQL, Laravel (for Backend)

BersamaRakyat

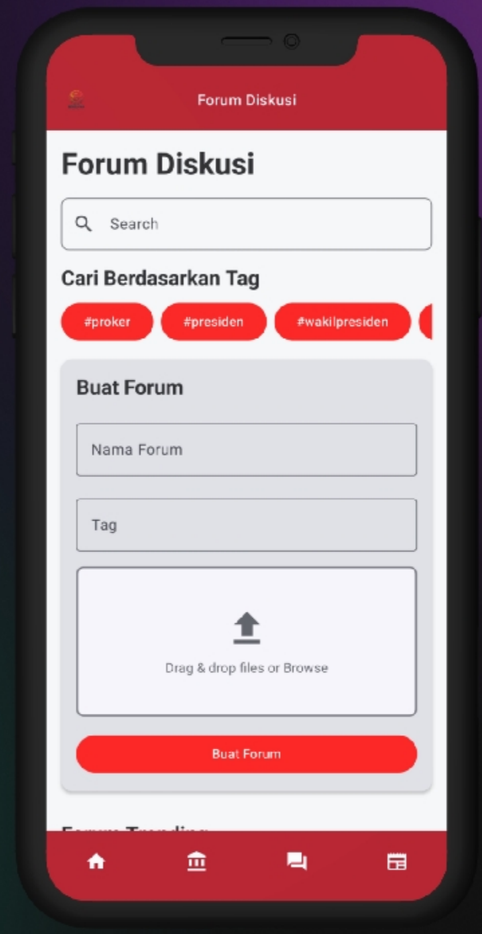
A civic-engagement Android application designed to track and monitor the political promises of elected officials post-inauguration. It serves as a hub for public discussion regarding government performance.



Promise tracking



a dedicated news feed

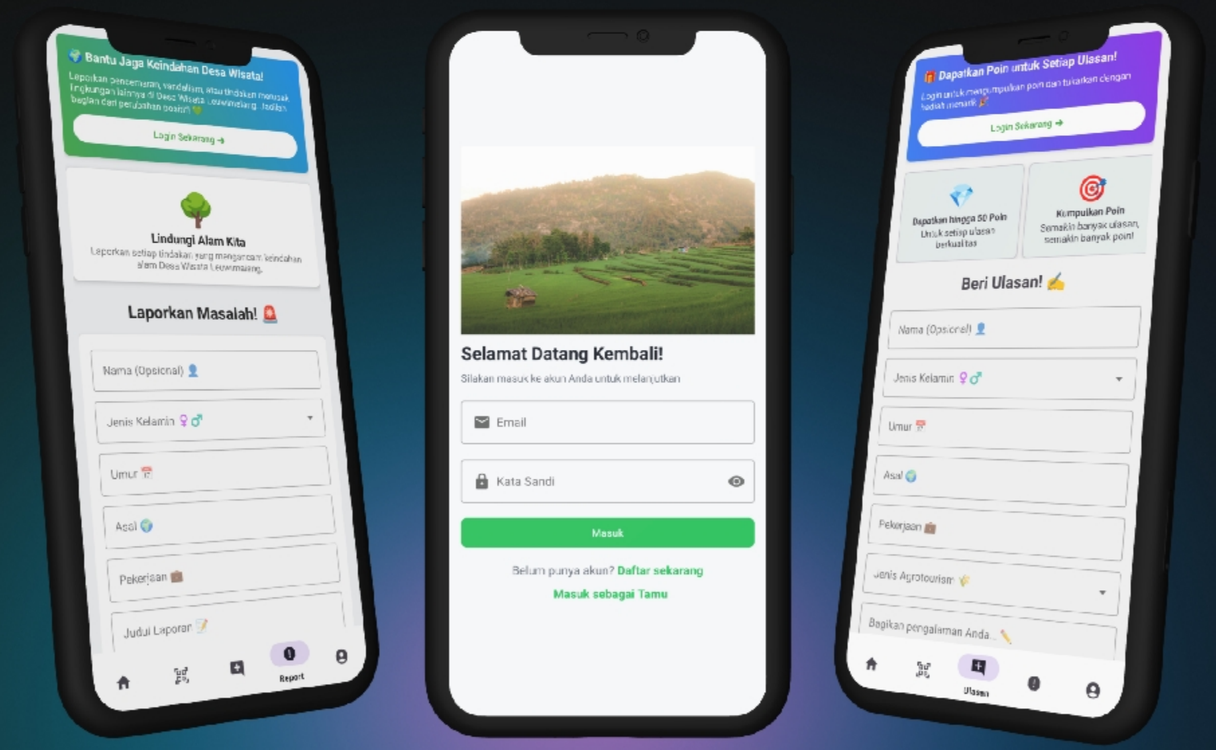


public reviews/ ratings of programs

Tech Stack:
Kotlin, Jetpack Compose, Express.js, MySQL

AgroWista Mobile

An Android-based application designed to promote village products and tourism, emphasizing accessibility for general users.



- Guest mode allowing access without mandatory login
- QR code scanning redirecting to product details on the web
- User engagement features including reviews and reporting

Tech Stack:
Kotlin, XML, MySQL, Express.js (for Backend).

ExcaMotion

An engineering utility tool designed to study excavator movements and calculate the cycle time for filling dump trucks.

- Real-time cycle time calculation
- History storage for operational analysis
- Customizable settings for bucket capacity and efficiency

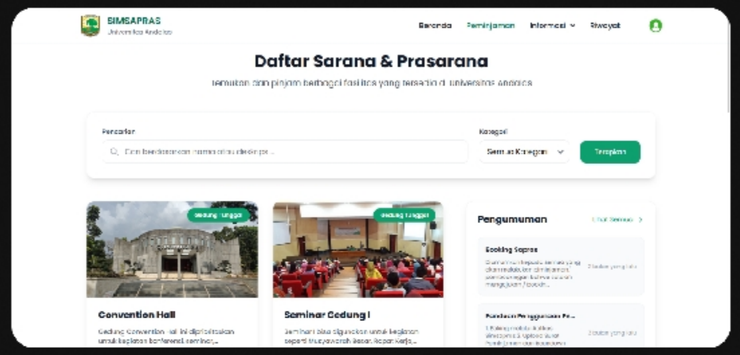


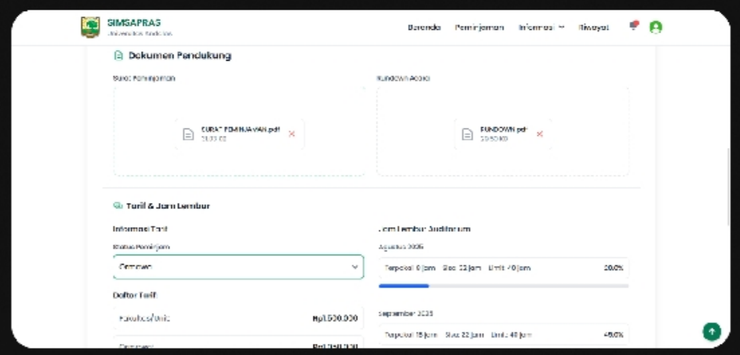
Tech Stack:
Kotlin, Jetpack Compose, Room Database

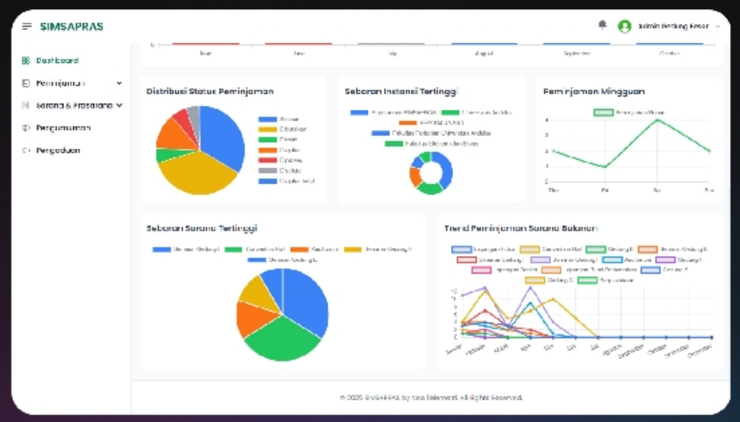
SIMSAPRAS (Facilities & Infrastructure Loan System)

An information system for managing the loaning of buildings and campus facilities at Universitas Andalas to increase data accuracy.

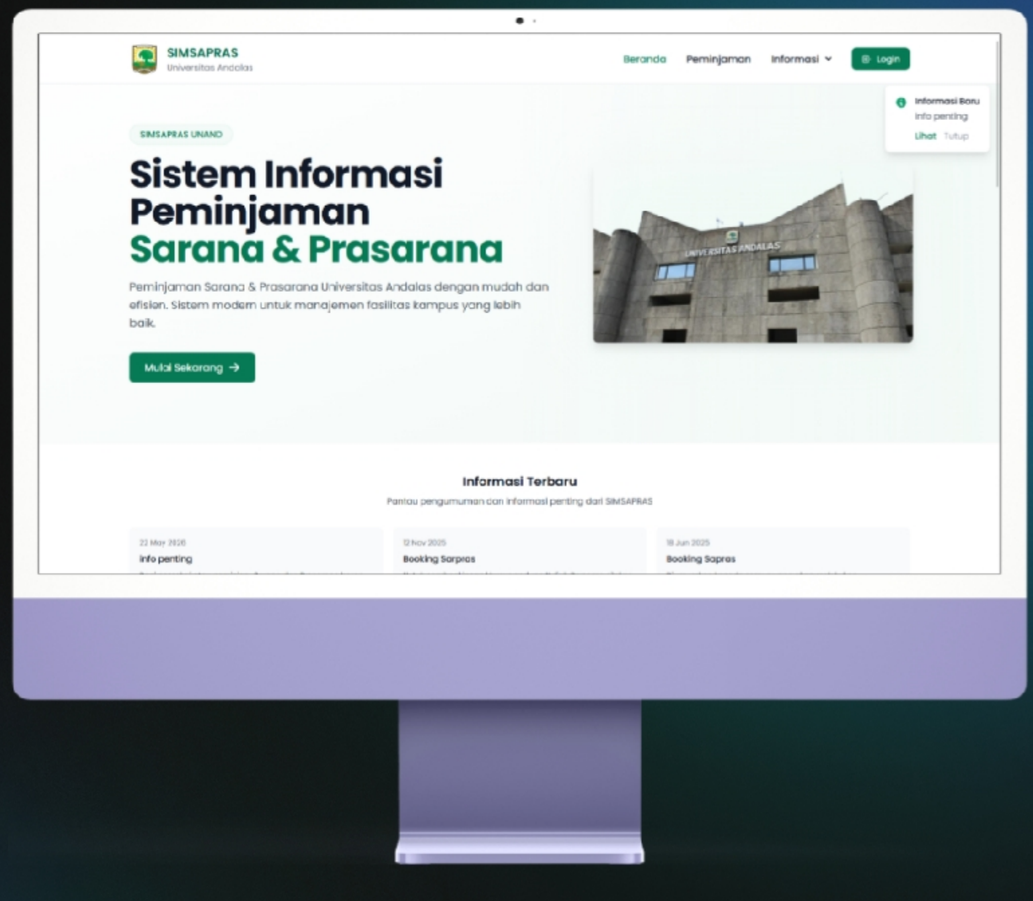
Tech Stack:
Laravel, MySQL, Docker, Tailwind







- Online booking workflow for campus facilities
- Admin panel for real-time usage monitoring

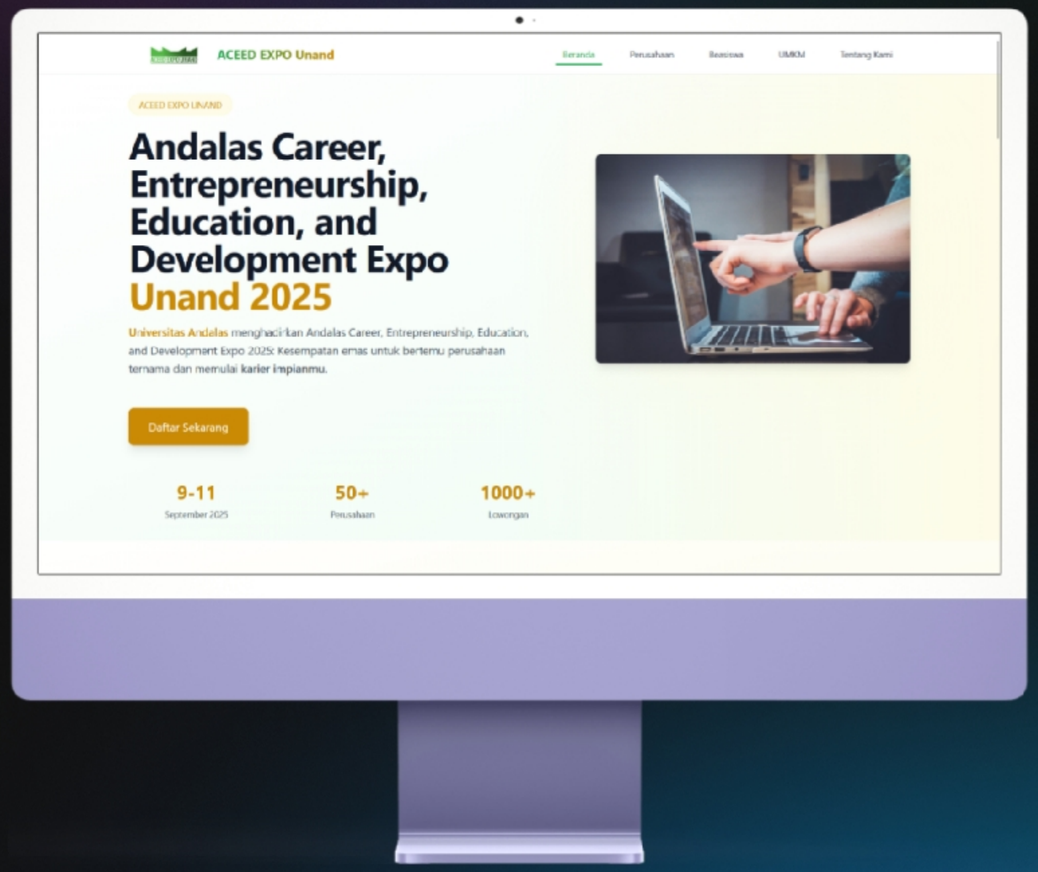


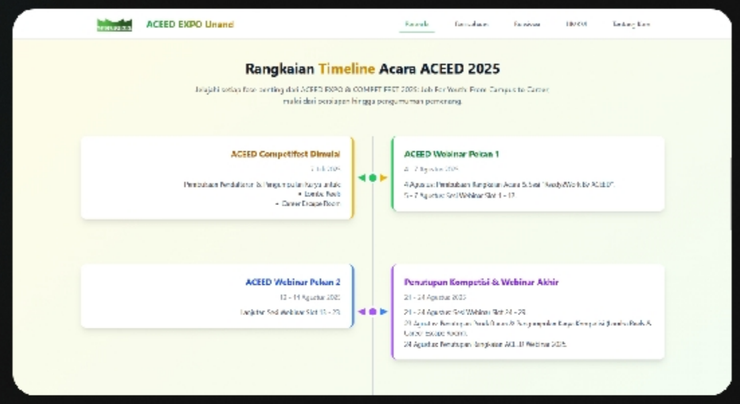
Unand Job Fair 2025 Platform

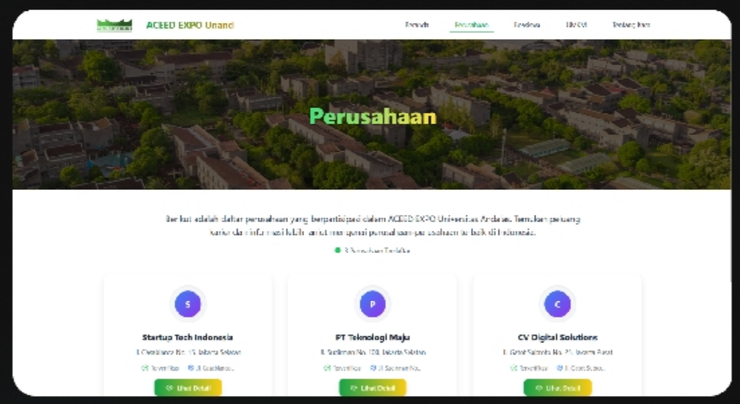
An integrated web platform designed to support large-scale recruitment events, including data flows for job seekers and companies.

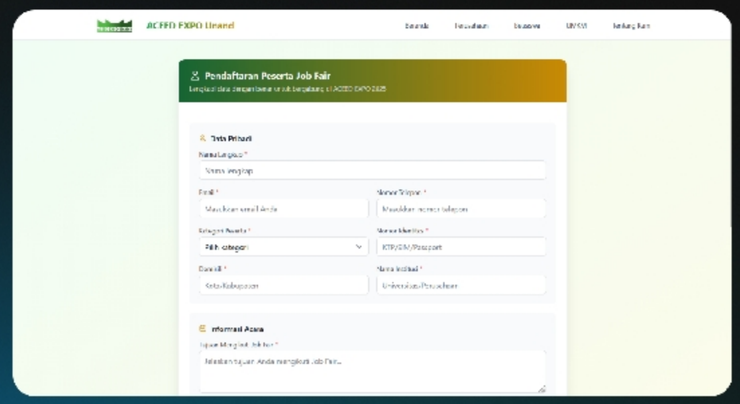
Tech Stack:
Laravel, MySQL, Docker, Tailwind

- Integrated dashboard for organizers and corporate tenants
- Participant registration and vacancy publication system







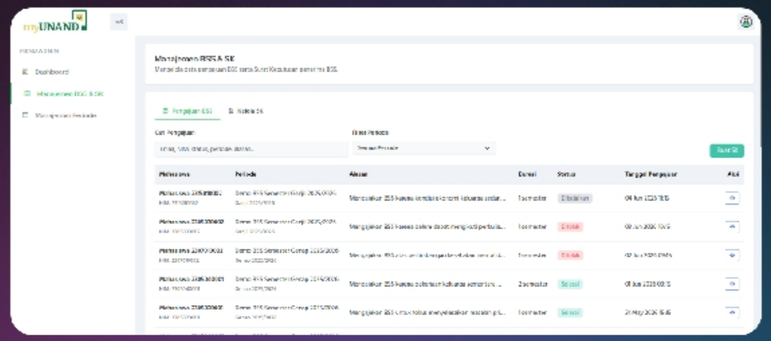


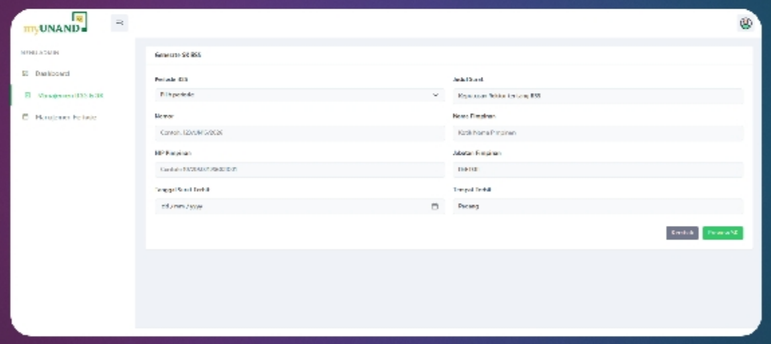
Section B: Web Development & Information Systems

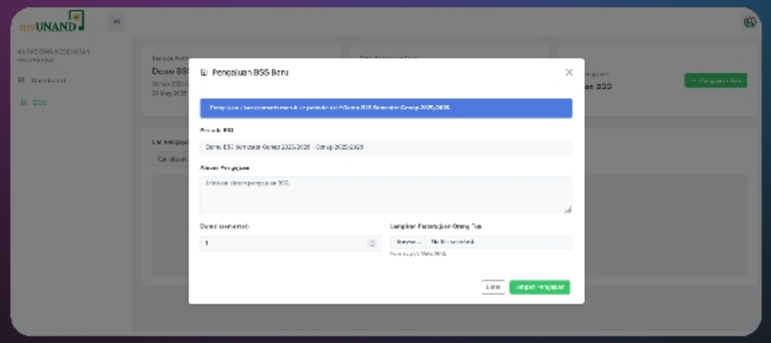
Temporary Leave Management System (BSS) Universitas Andalas

A web-based system designed to streamline the Temporary Leave (BSS) application process at Universitas Andalas, including submission, verification, and administrative management.

Tech Stack:
Laravel, MySQL, Docker, Bootstrap

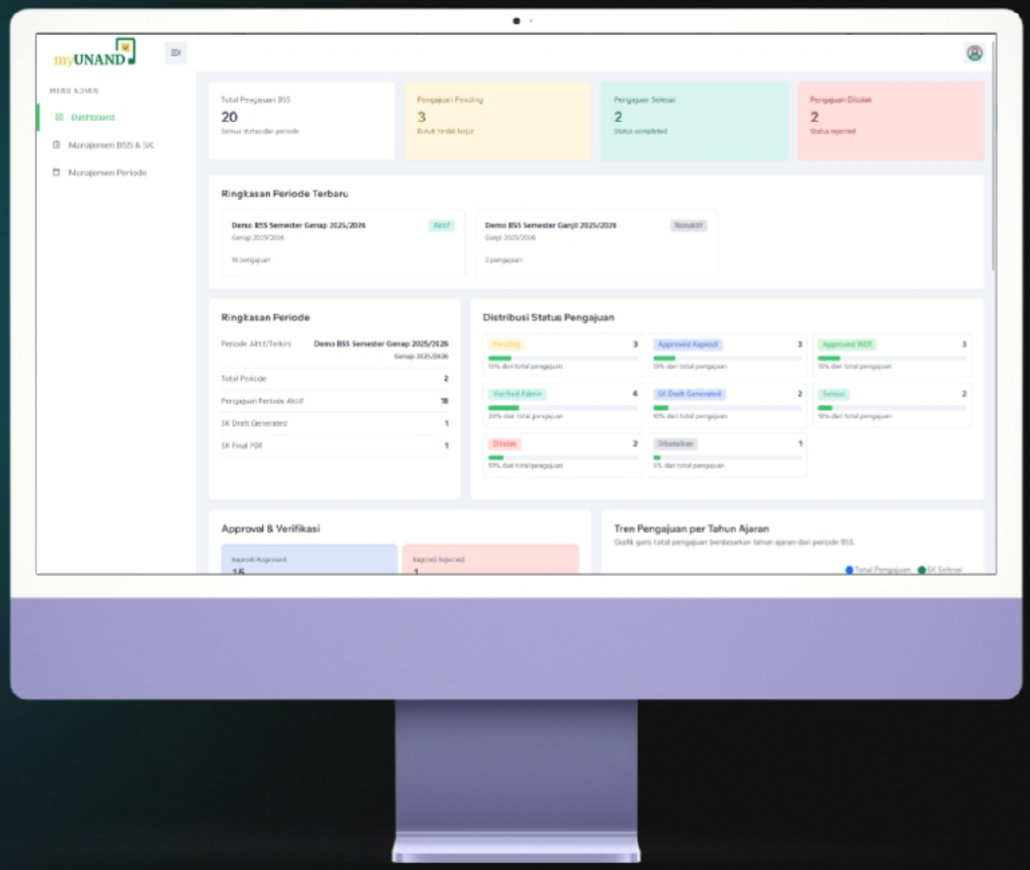






Provide feature to generate a letter of confirmation for approved applications

Comprehensive management of applications and letter of confirmation



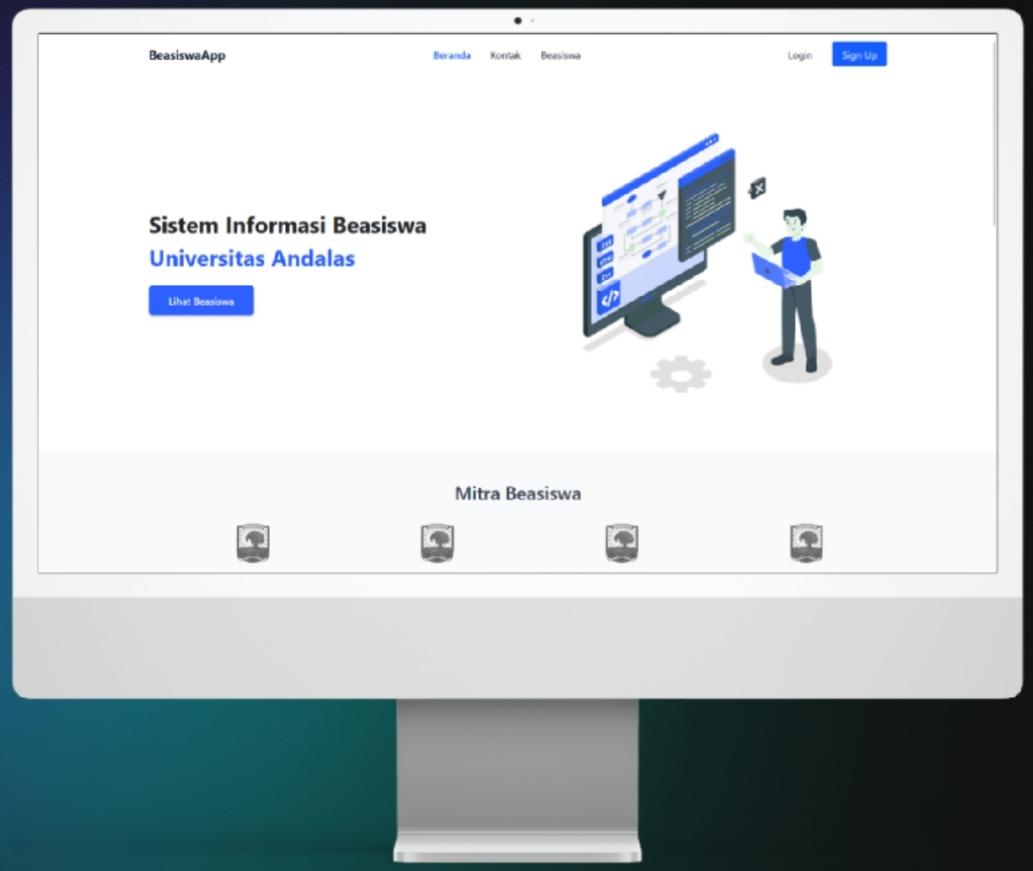
Non-APBN Scholarship Management System Universitas Andalas

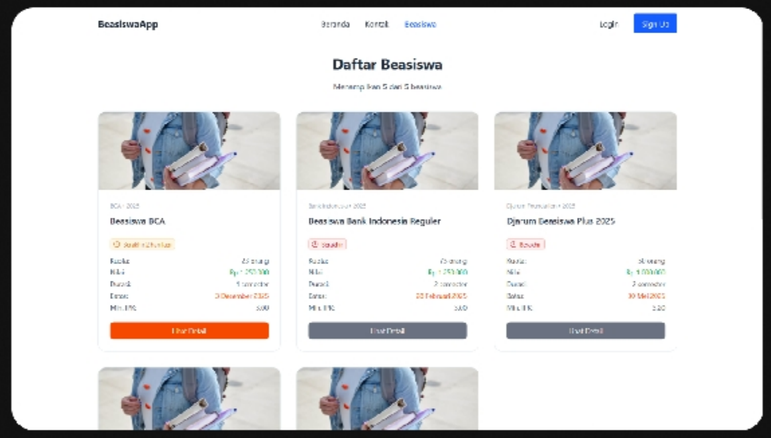
Tech Stack:
React.js, Express.js, Redis, MySQL, Docker

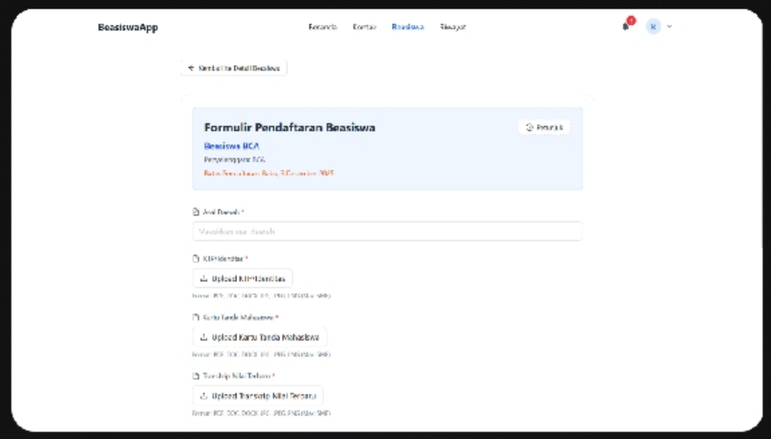
A web-based information system developed to manage Non-APBN scholarship programs at Universitas Andalas, enabling students to submit applications while administrators manage scholarship schemes, dynamic registration forms, and selection processes.

Digital scholarship application workflow for streamlined registration and selection processes

Administrative dashboard for managing scholarship programs, forms, and applicant data







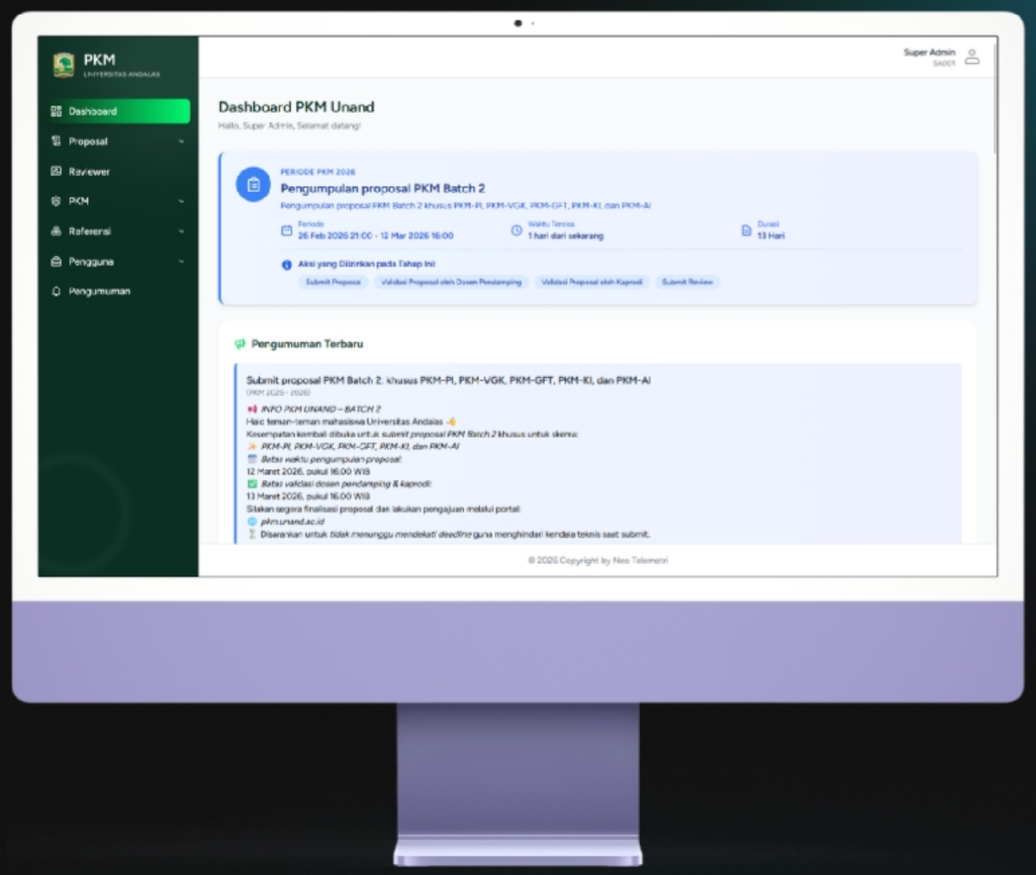
PKM Proposal Management System

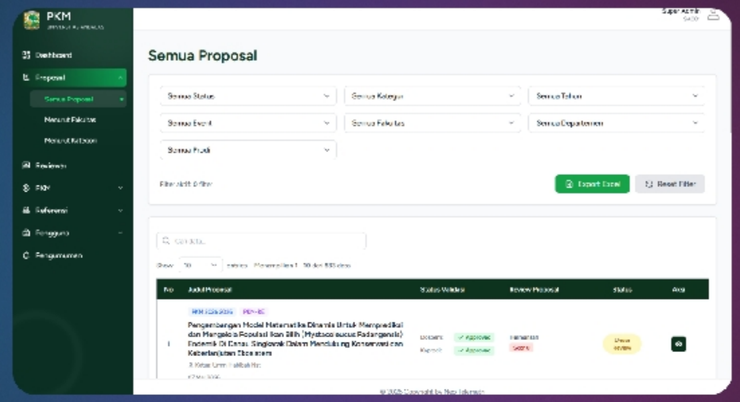
A digital platform for managing student research and innovation programs, enabling efficient proposal submission, evaluation, and monitoring workflows.

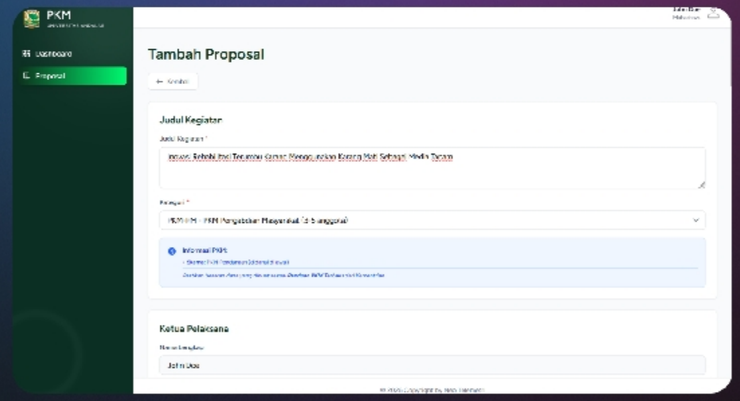
Tech Stack:
Laravel, MySQL, Docker, Tailwind

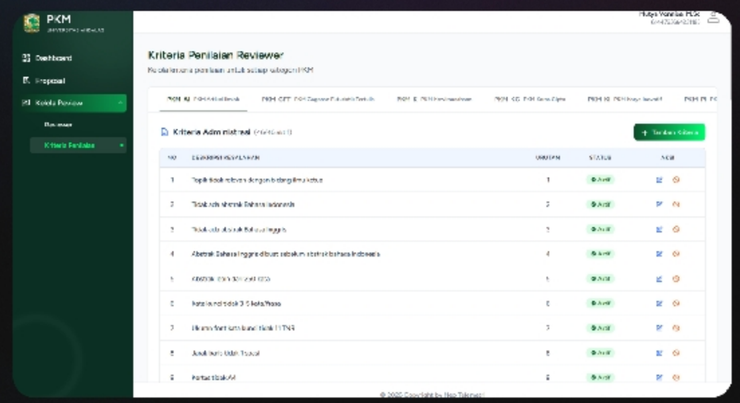
Centralized platform for PKM proposal and participant management

Streamlined workflow for submission, review, and assessment processes





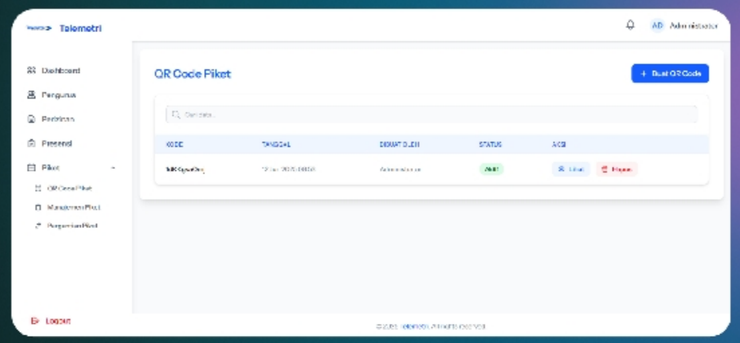


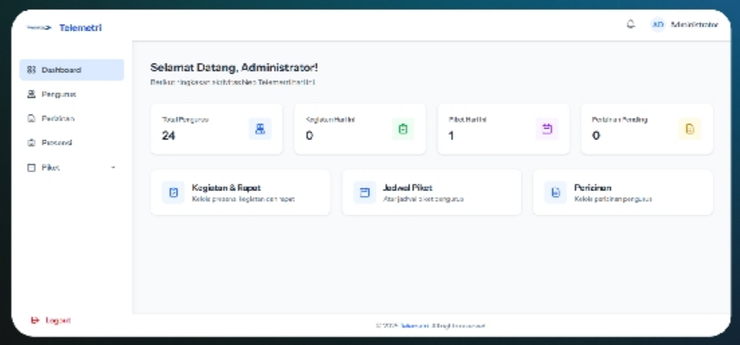


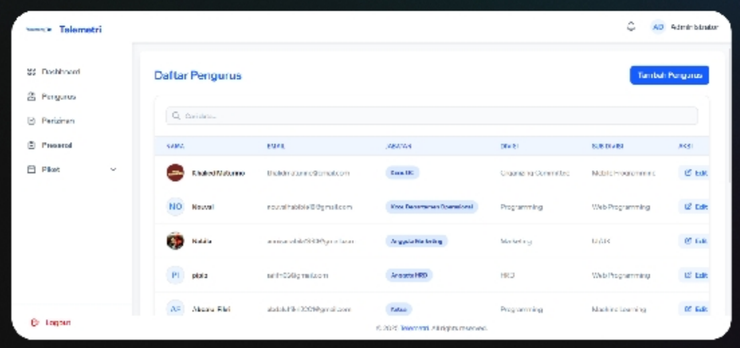
TeleMetri Admin Dashboard

A web-based administrative portal designed to control the TeleMetri organization's attendance system and manage member data.

Tech Stack:
Laravel, MySQL, Docker, Tailwind

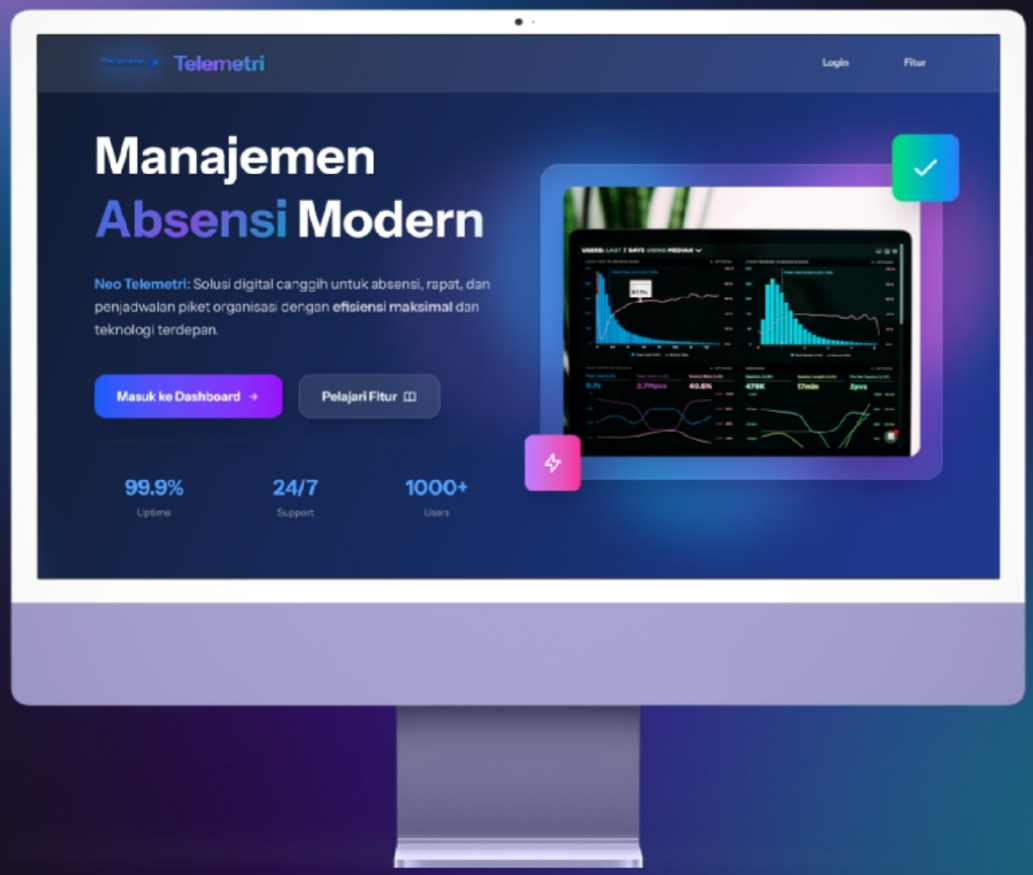






QR Code generation for mobile attendance scanning

Comprehensive management of members, shifts, and events

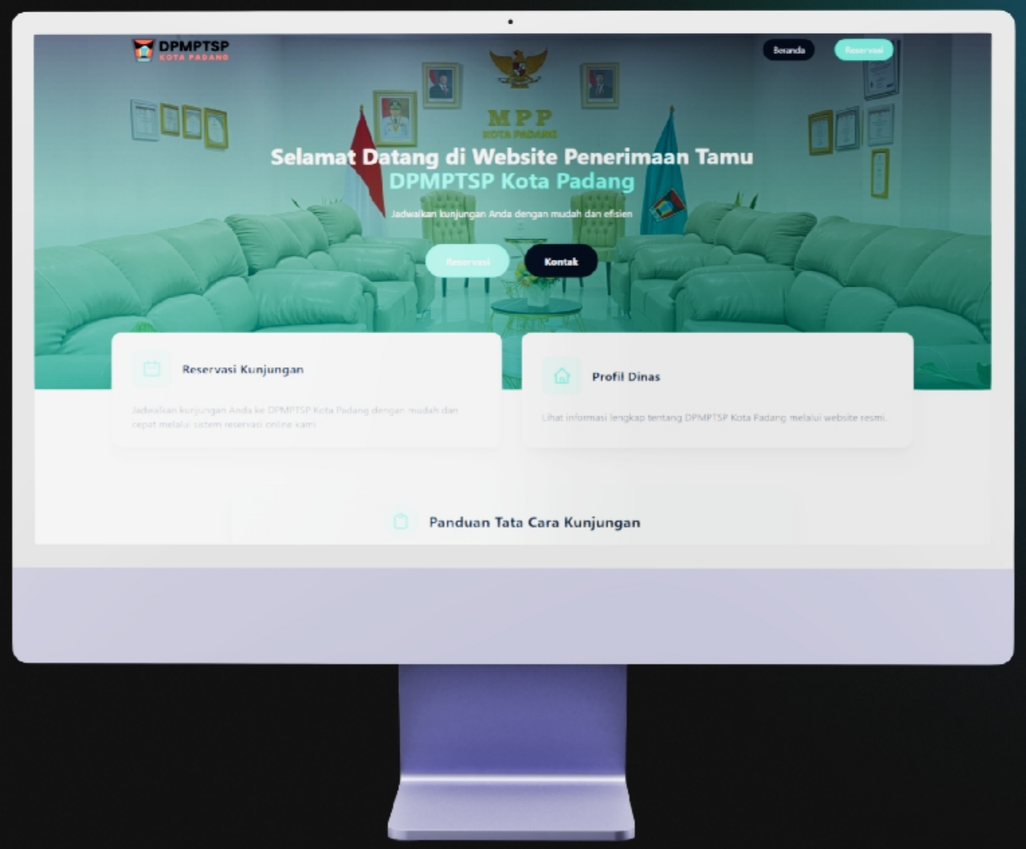


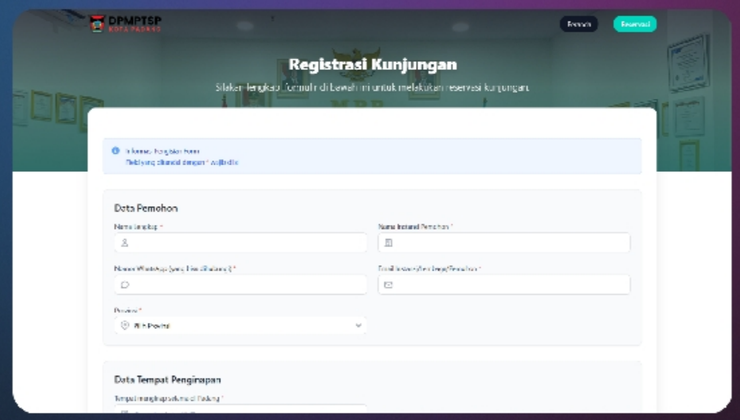
DPMPTSP Guest Visit Management System

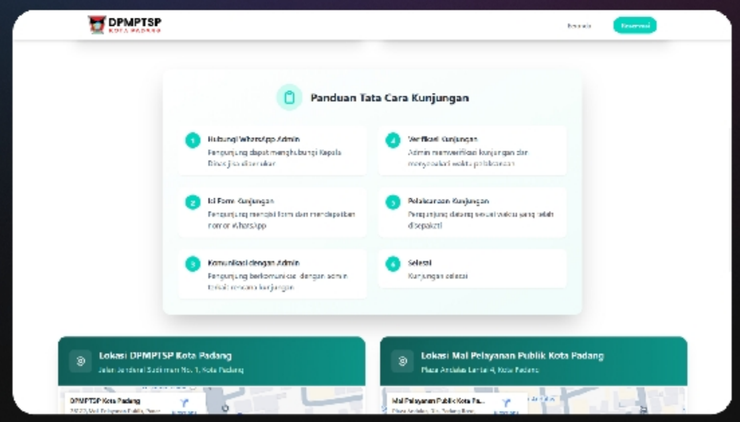
A web application to digitize the administration and monitoring of guest visits at DPMPTSP Padang City.

Tech Stack:
Laravel, MySQL, Docker, Tailwind

- Online registration forms for visitor administration
- Automated scheduling and agency data management
- Recapitulation of daily visit reports







DPMPTSP Padang City Profile Website

The official website for the One-Stop Investment and Integrated Service Office of Padang City, displaying public information.

Tech Stack:
Laravel, MySQL, Docker, Tailwind

Public display of licensing services and investment data

Modern, accessible interface for public information

