

Z Health Queue

Smart Healthcare Queue Management System - Real-time Queue Tracking via QR Code Scan

PROJECT OVERVIEW

Z Health Queue adalah sistem manajemen antrian kesehatan berbasis web yang memungkinkan pengunjung untuk memantau status antrian mereka secara real-time melalui smartphone. Dengan hanya melakukan scan QR Code pada struk antrian, pengunjung dapat melihat posisi antrian, estimasi waktu tunggu, dan notifikasi ketika giliran mereka tiba. Sistem ini dirancang untuk meningkatkan efisiensi pelayanan kesehatan dan memberikan kenyamanan bagi pasien tanpa harus menunggu di tempat.

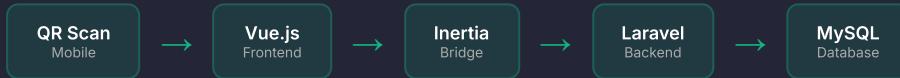
KEY FEATURES

- QR Code Scanning**
Scan struk untuk cek status antrian
- Real-time Tracking**
Pantau posisi antrian secara live
- Queue Notification**
Notifikasi saat giliran tiba
- Mobile Friendly**
Responsive design untuk smartphone

TECH STACK

- Laravel Backend
- Vue.js Frontend
- Inertia.js Bridge
- MySQL Database
- Tailwind CSS Styling
- HTML Markup
- CSS Styling
- JavaScript Programming

SYSTEM ARCHITECTURE



SCREENSHOTS

The screenshot grid displays five different views of the Z Health Queue application:

- Queue Display:** Shows a digital queue board for "RS Harapan Bunda" with a yellow box labeled "B010" indicating "Loket 1 - Pendaftaran".
- Queue Tenant Management:** Shows the Super Admin Dashboard with tenant statistics: Total Tenants (3), Total Users (14), Antrian Hari Ini (19), Tengah Semua (11%), and a chart showing the number of patients per service category.
- Admin Dashboard:** Shows the Admin Dashboard with a summary of total patients (4), total users (5), and a chart showing the number of patients per service category.
- Customer Display Tracking:** Shows a customer tracking screen with a QR code labeled "C010" for "Poli Gigi", showing the current position (5) and estimated time (25 menit).
- Services Menu:** Shows a menu for "RS Harapan Bunda" with services: Farmasi (Via Handphone), Laboratorium (Via Handphone), Poli Gigi (Via Handphone), and Poli Umum (Via Handphone). It also includes a note about using the monitor to track the queue.