

ABSTRAK

Peningkatan efektivitas dan efisiensi pelayanan kesehatan menjadi kebutuhan utama dalam menangani pasien penyakit dalam yang memerlukan pemantauan jangka panjang. Namun, pencatatan rekam medis secara manual di RSI Siti Khadijah Palembang masih menjadi kendala, seperti keterlambatan akses informasi, risiko kehilangan data, dan kurangnya integrasi antar unit layanan. Penelitian ini bertujuan untuk merancang dan mengimplementasikan Sistem Informasi Monitoring Kesehatan dan Rekam Medis Pasien Penyakit Dalam berbasis website. Sistem ini dikembangkan menggunakan framework Laravel dengan pendekatan MVC serta pemodelan UML, mencakup use case, activity, class, dan sequence diagram. Fitur utama dalam sistem meliputi login multi-role, manajemen pasien, pencatatan dan verifikasi rekam medis, serta dashboard monitoring. Pengujian dilakukan dengan metode black-box untuk memastikan seluruh fungsi berjalan sesuai kebutuhan pengguna. Hasil implementasi menunjukkan bahwa sistem mampu meningkatkan efisiensi pencatatan medis, mempercepat pengambilan keputusan, serta memberikan akses yang lebih mudah dan aman terhadap data pasien. Sistem juga mendukung partisipasi aktif pasien dan tenaga medis dalam proses perawatan serta membuka peluang analisis data untuk pengembangan layanan kesehatan jangka panjang.

Kata Kunci : Sistem Informasi, Rekam Medis, Monitoring Kesehatan, Laravel, Website, Penyakit Dalam, RSI Siti Khadijah

ABSTRACT

Improving the effectiveness and efficiency of healthcare services is essential, particularly for internal medicine patients who require long-term monitoring. However, the manual recording of medical records at RSI Siti Khadijah Palembang poses significant challenges, such as delays in information access, risk of data loss, and lack of integration between service units. This study aims to design and implement a web-based Health Monitoring and Medical Record Information System for internal medicine patients. The system is developed using the Laravel framework with an MVC approach and UML modeling, including use case, activity, class, and sequence diagrams. Key features of the system include multi-role login, patient data management, medical record entry and verification, and a health monitoring dashboard. System testing was conducted using the black-box method to ensure all functionalities met user requirements. The implementation results show that the system improves the efficiency of medical record-keeping, accelerates decision-making processes, and provides secure and easy access to patient data. Additionally, the system encourages active participation from both patients and medical personnel in the care process and opens opportunities for data analysis to support long-term healthcare service development.

Keyword : Information System, Medical Records, Health Monitoring, Laravel, Web-Based, Internal Medicine, RSI Siti Khadijah