

ABSTRAK

Sistem inventaris dan peminjaman barang di RSUD Kayuagung Kabupaten Ogan Komering Ilir sebelumnya masih dilakukan secara manual. Pegawai harus mengisi blanko permintaan barang dan menyerahkannya langsung kepada admin untuk dicatat menggunakan *Microsoft Excel*. Proses ini menimbulkan berbagai kendala, seperti potensi kesalahan pencatatan, keterlambatan pembaruan data, serta kurangnya integrasi antar bagian. Untuk mengatasi permasalahan tersebut, dikembangkanlah aplikasi sistem informasi inventaris dan peminjaman barang berbasis *web mobile*. Aplikasi ini dibangun menggunakan bahasa pemrograman PHP, HTML, JavaScript, dan CSS dengan *framework Laravel* serta menggunakan *database MySQL*. Pengembangan sistem dilakukan dengan menggunakan metode *Waterfall*, yang terdiri dari tahapan analisis kebutuhan, perancangan, implementasi, pengujian, hingga implementasi akhir. Pengujian dilakukan menggunakan metode *black-box* dan menunjukkan bahwa seluruh fitur sistem berjalan sesuai dengan spesifikasi yang telah dirancang. Sistem ini memungkinkan pencatatan barang, pemantauan stok, serta proses peminjaman dan pengadaan dilakukan secara *real-time* dan terintegrasi. Selain itu, sistem dirancang untuk memudahkan admin dalam memantau barang masuk dan keluar, meminimalisir risiko *human error*, memantau kondisi barang secara transparan, serta mendukung pembuatan laporan secara digital dan efisien.

Kata Kunci: Inventaris, Barang, *Website*, RSUD, *Laravel*, Sistem Informasi.

ABSTRACT

The inventory and loan system at Kayuagung Hospital, Ogan Komering Ilir Regency was previously done manually. Employees had to fill out a blank request for goods and submit it directly to the admin to be recorded using Microsoft Excel. This process caused various problems, such as potential recording errors, delays in updating data, and lack of integration between sections. To overcome these problems, a mobile web-based inventory and loan information system application was developed. This application was built using PHP, HTML, JavaScript, and CSS programming languages with the Laravel framework and using the MySQL database. System development is carried out using the Waterfall method, which consists of the stages of needs analysis, design, implementation, testing, and final implementation. Testing was conducted using the black-box method and showed that all system features run according to the specifications that have been designed. This system allows the recording of goods, stock monitoring, and the process of borrowing and procurement to be carried out in real-time and integrated. In addition, the system is designed to make it easier for admins to monitor incoming and outgoing goods, minimize the risk of human error; monitor the condition of goods transparently, and support the creation of reports digitally and efficiently.

Keywords: *Inventory, Goods, Website, Hospital, Laravel, Information System.*