

ABSTRAK

Proses peminjaman dan pengembalian barang antar unit di RSUP Dr. Rivai Abdullah Kabupaten Banyuasin masih dilakukan secara manual sehingga menyulitkan pencatatan, pemantauan status barang, dan pelacakan riwayat peminjaman. Penelitian ini bertujuan untuk merancang dan membangun Aplikasi Peminjaman dan Pengembalian Barang Antar Unit Berbasis Web menggunakan metode Waterfall. Aplikasi dikembangkan dengan PHP Native, MySQL, dan dimodelkan menggunakan Unified Modeling Language (UML). Hasil penelitian menunjukkan bahwa aplikasi yang dibangun mampu membantu proses pencatatan, pengelolaan, monitoring, dan dokumentasi data peminjaman serta pengembalian barang antar unit. Sistem menyediakan fitur pengajuan peminjaman, persetujuan atau penolakan peminjaman, pengembalian barang, pencatatan kondisi barang, laporan kehilangan, dan laporan data. Berdasarkan pengujian Black Box Testing, seluruh fungsi sistem dapat berjalan dengan baik sesuai kebutuhan pengguna.

Kata Kunci: Peminjaman Barang, Pengembalian Barang, Monitoring, Website, Waterfall.

ABSTRACT

The process of borrowing and returning goods between units at RSUP Dr. Rivai Abdullah Banyuasin Regency is still carried out manually, making it difficult to record data, monitor item status, and track borrowing history. This study aims to design and develop a Web-Based Inter-Unit Goods Borrowing and Returning Application using the Waterfall development method. The application was developed using PHP Native, MySQL, and modeled using Unified Modeling Language (UML). The results of this study indicate that the application is able to assist in recording, managing, monitoring, and documenting borrowing and returning data between units. The system provides features for borrowing requests, approval or rejection of requests, item returns, item condition recording, lost item reports, and reporting. Based on Black Box Testing, all system functions were able to operate properly according to user requirements.

Keywords: *Borrowing, Returns, Monitoring, Website, Waterfall.*