

INTISARI

Skripsi ini berjudul “*Sistem Informasi Peminjaman dan Pengembalian Inventaris Berbasis Website di Dusun Kramat*”. Penelitian ini dilatarbelakangi oleh permasalahan pengelolaan inventaris di RW 04 Dusun Kramat yang masih dilakukan secara manual, sehingga sering menimbulkan kesalahan pencatatan, kehilangan data, dan keterlambatan penyusunan laporan. Tujuan penelitian ini adalah merancang dan membangun sistem *inFormasi* berbasis *Website* yang dapat meningkatkan efisiensi, akurasi, dan transparansi dalam proses peminjaman dan pengembalian inventaris. Penelitian dibatasi pada lingkup RW 04 dengan metode pengembangan *Rapid Application Development (RAD)*, menggunakan bahasa pemrograman PHP, *framework Bootstrap*, dan basis data MySQL. Analisis dilakukan melalui observasi, wawancara, studi literatur, serta pengujian *Blackbox Testing* dan *User Acceptance Testing (UAT)*. Hasil penelitian menunjukkan bahwa sistem yang dibangun memiliki fitur *register*, *login* admin dan *user*, Formulir peminjaman, persetujuan peminjaman, nota, riwayat, Formulir pengembalian, kelola inventaris, serta laporan bulanan. Hasil pengujian *Blackbox Testing* membuktikan seluruh fitur berjalan sesuai dengan kebutuhan fungsional. Sementara itu, hasil *User Acceptance Testing* melalui kuesioner kepada warga dan pengurus menunjukkan tingkat penerimaan pengguna yang baik, terutama pada aspek kemudahan penggunaan, kejelasan fitur, serta efektivitas sistem dalam mempercepat proses administrasi inventaris. Berdasarkan hasil implementasi, dapat disimpulkan bahwa sistem *infrmormasi* peminjaman dan pengembalian inventaris berbasis *website* yang dikembangkan mampu mengatasi permasalahan pencatatan manual di Dusun Kramat RW 04. Sistem ini mempermudah warga dalam melakukan peminjaman maupun pengembalian inventaris, serta membantu pengurus dalam menyusun laporan bulanan dengan lebih cepat, akurat, dan terstruktur. Dengan demikian, sistem ini dinilai layak untuk diterapkan secara berkelanjutan dalam mendukung digitalisasi pelayanan masyarakat di tingkat dusun.

Kata kunci: Sistem Informasi, Inventaris, Peminjaman, Pengembalian, RAD

ABSTRACT

This thesis, entitled “Web-Based Information System for Inventory Lending and Returning in Dusun Kramat”, was conducted to address the issue of manual inventory management in RW 04 Dusun Kramat, which often led to data recording errors, data loss, and delays in report preparation. The purpose of this research is to design and develop a web-based information system that enhances efficiency, accuracy, and transparency in the process of lending and returning inventory. The scope of the research is limited to RW 04 and developed using the Rapid Application Development (RAD) method, with PHP as the programming language, Bootstrap framework, and MySQL database. Data were collected through observation, interviews, literature studies, and tested using Blackbox Testing and User Acceptance Testing (UAT). The results show that the developed system provides features such as user registration, admin and user login, lending Form, loan approval, receipt, transaction history, return Form, inventory management, and monthly report. Blackbox Testing results confirm that all features function properly according to the requirements. Meanwhile, User Acceptance Testing conducted through questionnaires with residents and administrators indicates high user acceptance, particularly in terms of ease of use, clarity of features, and effectiveness in accelerating administrative processes. In conclusion, the developed web-based information system for lending and returning inventory successfully overcomes the problems of manual recording in RW 04 Dusun Kramat. The system simplifies the borrowing and returning process for residents and assists administrators in preparing monthly reports more quickly, accurately, and systematically. Therefore, the system is considered feasible to be continuously implemented to support digitalization of community services at the village level.

Keywords: *Information System, Inventory, Lending, Returning, RAD*