

ABSTRAK

Pengelolaan *Inventory* barang bantuan pada Dinas Sosial Kabupaten Ciamis masih dilakukan secara manual, sehingga pencatatan barang masuk dan barang keluar dilakukan secara berulang, pemantauan stok belum optimal, penyusunan laporan membutuhkan waktu relatif lama, serta belum tersedia mekanisme notifikasi stok minimum dan pengaturan hak akses pengguna yang jelas. Penelitian ini bertujuan untuk merancang dan mengembangkan Sistem Informasi *Inventory* Barang Bantuan berbasis web menggunakan metode *Scrum* pada Dinas Sosial Kabupaten Ciamis. Pengumpulan data dilakukan melalui observasi, wawancara, dan studi dokumentasi.

Pengembangan sistem dilaksanakan menggunakan *Scrum* melalui tiga *Sprint* berdasarkan kebutuhan pengguna dan *Product Backlog* yang telah disusun. Sistem yang dikembangkan mencakup pengelolaan data barang, pencatatan barang masuk dan barang keluar, *monitoring* stok, notifikasi stok minimum, pelaporan persediaan, BAST, dan manajemen pengguna. Pengujian sistem dilakukan menggunakan *Black Box Testing* dan *User Acceptance Testing* (UAT).

Hasil *Black Box Testing* menunjukkan seluruh fungsi yang diuji berjalan sesuai dengan hasil yang diharapkan. UAT melibatkan tiga pengguna dan memperoleh persentase 91,67% dengan kategori Sangat Baik. Hasil tersebut menunjukkan bahwa sistem telah memenuhi kebutuhan pengguna dan dinilai layak untuk mendukung proses pengelolaan *Inventory* barang bantuan pada Dinas Sosial Kabupaten Ciamis secara lebih efektif. Sistem diharapkan meningkatkan efisiensi, ketepatan informasi stok, dan akuntabilitas pelaporan barang bantuan secara optimal.

Kata kunci: Sistem Informasi, *Inventory*, Barang Bantuan, *Scrum*, *User Acceptance Testing*.

ABSTRACT

The management of inventory of donated goods at the Ciamis Regency Social Service is still carried out manually, resulting in repetitive recording of incoming and outgoing goods, suboptimal stock monitoring, relatively time-consuming report preparation, and the absence of a minimum stock notification mechanism and clear user access rights management. This study aims to design and develop a web-based Information System for the inventory of donated goods using the Scrum method at the Ciamis Regency Social Service. Data collection was conducted through observation, interviews, and documentation studies.

The system was developed using Scrum through three Sprints based on user requirements and the prepared Product Backlog. The developed system includes goods data management, recording of incoming and outgoing goods, stock monitoring, minimum stock notifications, inventory reporting, BAST, and user management. System testing was conducted using Black Box Testing and User Acceptance Testing (UAT).

The results of Black Box Testing showed that all tested functions operated according to the expected results. UAT involved three users and obtained a percentage of 91.67%, categorized as Very Good. These results indicate that the system has met user requirements and is considered feasible to support the management of donated goods inventory at the Ciamis Regency Social Service more effectively. The system is expected to improve efficiency, stock information accuracy, and accountability in reporting donated goods optimally.

Keywords: *Information System, Inventory, Aid Items, Scrum, User Acceptance Testing.*