

APLIKASI INVENTARIS DAN PEMINJAMAN BARANG PADA BADAN USAHA MILIK DESA (BUMDes) SUMBER REZEKI BERBASIS *WEBSITE*

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ABSTRAK

Badan Usaha Milik Desa (BUMDes) Sumber Rezeki merupakan lembaga yang mengelola berbagai aset dan kegiatan ekonomi desa. Dalam operasionalnya, BUMDes membutuhkan sistem yang terstruktur untuk mengelola inventaris dan proses peminjaman barang. Sebelumnya, pencatatan dilakukan secara konvensional sehingga berpotensi menimbulkan kesalahan, kehilangan data, dan kesulitan dalam pelacakan barang. Oleh karena itu, dikembangkan aplikasi inventaris dan peminjaman barang berbasis website menggunakan bahasa pemrograman PHP dengan framework Laravel serta MySQL sebagai basis data. Fitur yang tersedia meliputi pengelolaan data barang, pencatatan transaksi peminjaman dan pengembalian, serta pembuatan laporan. Penerapan aplikasi ini memungkinkan pengelola mencetak data inventaris maupun peminjaman barang langsung dari sistem, menggantikan pencatatan di buku besar. Penggunaan aplikasi juga mendukung peminjaman barang secara daring, di mana pengguna cukup login, memilih barang, mengajukan permohonan, dan menerima notifikasi status melalui email secara otomatis. Hasil Pengujian bersama pengguna menunjukkan bahwa seluruh fitur berfungsi sesuai kebutuhan dan memberikan kemudahan dalam pengelolaan inventaris, meningkatkan akurasi pencatatan, serta memudahkan proses pemantauan.

Kata kunci: BUMDes, inventaris, peminjaman barang, website, sistem informasi

INVENTORY AND LOAN APPLICATION FOR VILLAGE-OWNED ENTERPRISES (BUMDes) WEBSITE-BASED SOURCE OF LIVELIHOOD

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ABSTRACT

The Village-Owned Enterprise (BUMDes) Sumber Rezeki is an institution that manages various assets and economic activities of the village. In its operations, BUMDes requires an efficient system to manage inventory and the process of borrowing goods. Previously, records were still kept manually, which made them prone to errors, data loss, and difficulties in tracking items. Therefore, a web-based inventory and goods lending application was developed using the PHP programming language with the Laravel framework and MySQL as the database. Its main features include goods data management, recording of lending and return transactions, and report generation. The implementation of this application at BUMDes Sumber Rezeki has made it easier for the administrator to automatically print inventory and lending data directly from the system, replacing the manual process through ledgers that consumed more time and effort. Loan testing by Santi also demonstrated the convenience of borrowing goods online without having to visit the office; users simply log in, select the desired item, submit a request, and receive automatic email notifications regarding the loan status, making the process faster, more transparent, and more practical. System trials with users showed that the application runs well, all features function as needed, and it simplifies work processes compared to previous manual methods, thereby improving efficiency, record accuracy, and real-time inventory monitoring quickly and effectively.

Keywords: BUMDes, inventory, goods borrowing, website, information system