

ABSTRAK

SISTEM INFORMASI INVENTARIS BARANG BERBASIS *WEBSITE* PADA KANTOR PEKON CUKUH BUNJAK

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Inventarisasi barang merupakan aktivitas penting dalam menunjang kelancaran operasional suatu instansi, termasuk Kantor Pekon Cukuh Bunjak. Proses pencatatan barang yang sebelumnya dilakukan secara manual menyebabkan berbagai kendala, seperti kesalahan pencatatan, keterlambatan, dan kesulitan dalam pelacakan data. Untuk mengatasi permasalahan tersebut, dirancang dan dibangun sistem informasi inventaris barang berbasis website yang bertujuan meningkatkan efisiensi dan akurasi dalam pengelolaan data barang, peminjaman, serta pengembalian. Sistem ini dibangun menggunakan bahasa pemrograman PHP dengan *database MySQL*, serta menerapkan metode pengembangan perangkat lunak Waterfall. Fitur utama dalam sistem meliputi pengelolaan data barang, pencatatan transaksi peminjaman dan pengembalian, serta pencetakan laporan inventaris. Pengujian sistem dilakukan menggunakan metode *Black Box Testing*, dan hasilnya menunjukkan bahwa seluruh fungsi sistem berjalan sesuai harapan. Dengan penerapan sistem ini, pengelolaan inventaris di Kantor Pekon Cukuh Bunjak menjadi lebih efisien, dan terstruktur.

Kata Kunci: Inventaris, Sistem Informasi, *Website*, *PHP*, *MySQL*, *Waterfall*.

ABSTRACT

WEB-BASED INVENTORY INFORMATION SYSTEM AT THE CUKUH BUNJAK VILLAGE OFFICE

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Inventory management is a crucial activity in supporting the smooth operation of an institution, including the Pekon Cukuh Bunjak Office. The previous manual recording process led to various issues, such as data entry errors, delays, and difficulties in tracking inventory. To address these problems, a web-based inventory information system was designed and developed to improve the efficiency and accuracy of inventory management, including item lending and returns. The system was built using PHP programming language and MySQL as the database, and it adopts the Waterfall software development methodology. The main features of the system include item data management, recording of borrowing and return transactions, and inventory report generation. System testing was carried out using the Black Box Testing method, and the results showed that all system functions performed as expected. The implementation of this system has made inventory management at the Pekon Cukuh Bunjak Office more efficient, and well-structured.

Keywords: Inventory, Information System, Website, PHP, MySQL, Waterfall.