

SISTEM INFORMASI MANAJEMEN DATA PERKEBUNAN NANAS BERBASIS WEB

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ABSTRAK

Pengelolaan data perkebunan nanas pada Kelompok Tani Maju Sejahtera masih dilakukan secara manual sehingga proses pencatatan, pencarian data, dan penyusunan laporan kurang rapi serta berisiko kehilangan data. Penelitian ini bertujuan membangun Sistem Informasi Manajemen Data Perkebunan Nanas Berbasis Web yang mampu mengelola data biaya operasional, hasil panen, pendapatan, dan laporan keuangan dalam satu sistem. Metode pengembangan yang digunakan adalah Waterfall, yang meliputi tahap analisis kebutuhan, perancangan, implementasi, pengujian, dan pemeliharaan. Data penelitian diperoleh melalui observasi dan dokumentasi. Hasil penelitian menunjukkan bahwa sistem berhasil dibangun dengan dua hak akses, yaitu admin dan pengelola. Berdasarkan hasil implementasi dan pengujian, seluruh fitur sistem dapat berjalan sesuai fungsinya. Sistem ini membantu proses pengelolaan data menjadi lebih rapi, mempercepat pencarian informasi, mengurangi risiko kehilangan data, serta memudahkan penyusunan laporan keuangan.

Kata Kunci: Sistem, Perkebunan, Data, Website, Waterfall.

WEB-BASED PINEAPPLE PLANTATION DATA MANAGEMENT INFORMATION SYSTEM

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ABSTRACT

The management of pineapple plantation data at the Maju Sejahtera Farmer Group is still carried out manually, making the processes of data recording, retrieval, and report preparation less organized and increasing the risk of data loss. This study aims to develop a Web-Based Pineapple Plantation Data Management Information System capable of managing operational cost data, harvest data, income data, and financial reports within a single system. The system was developed using the Waterfall method, which consists of the stages of requirements analysis, system design, implementation, testing, and maintenance. The research data were collected through observation and documentation. The results show that the system was successfully developed with two user access levels, namely administrator and manager. Based on the implementation and testing results, all system features functioned properly as intended. The system helps organize plantation data more efficiently, speeds up information retrieval, reduces the risk of data loss, and simplifies the preparation of financial reports.

Keywords: System, Plantation, Data, Website, Waterfall.