

ABSTRAK

Penelitian ini bertujuan merancang sistem laporan penjualan terkomputerisasi menggunakan Microsoft Excel berbasis VBA untuk menggantikan sistem manual di Perkebunan Kelapa Sawit Maduma Sejahtera Abadi. Sistem manual yang digunakan sebelumnya menimbulkan masalah efisiensi, akurasi data, dan memperlambat proses pelaporan, sehingga perlu solusi digital yang tepat. Metode penelitian menggunakan pendekatan Research and Development (R&D) dengan model ADDIE (Analysis, Design, Development, Implementation, Evaluation). Data diperoleh melalui wawancara langsung dengan staf perusahaan, observasi pencatatan manual, serta studi pustaka dari buku dan jurnal. Perancangan sistem dilakukan melalui Microsoft Excel dengan fitur VBA sebagai dasar pemrogramannya. Dihasilkan sistem berbasis Excel VBA yang mencakup form identitas, data barang, data pelanggan, penjualan, pencarian, dan dashboard utama. Sistem mampu melakukan input otomatis, perhitungan penjualan, validasi data, serta rekap laporan. Uji coba menunjukkan peningkatan efisiensi, ketepatan, serta kemudahan penggunaan dibanding sistem manual sebelumnya yang masih rawan kesalahan. Sistem pencatatan penjualan berbasis Excel VBA terbukti meningkatkan efisiensi kerja dan akurasi laporan. Disarankan agar perusahaan mengimplementasikan sistem ini secara menyeluruh, melatih staf untuk pengoperasiannya, serta mempertimbangkan pengembangan lanjutan seperti integrasi ke database dan fitur backup otomatis untuk menjaga keamanan serta keberlanjutan sistem jangka panjang.

Kata Kunci: *Microsoft Excel, Visual Basic for Application, Laporan Penjualan,*

ABSTRACT

This study aims to design a computerized sales reporting system using Microsoft Excel based on VBA to replace the manual system at Maduma Sejahtera Abadi Palm Oil Plantation. The previously used manual system caused issues with efficiency, data accuracy, and slowed down the reporting process, necessitating a suitable digital solution. The research method employed a Research and Development (R&D) approach using the ADDIE model (Analysis, Design, Development, Implementation, Evaluation). Data was collected through direct interviews with company staff, observations of manual record-keeping, and literature reviews from books and journals. The system design was developed using Microsoft Excel with VBA features as the programming foundation. An Excel VBA-based system was created, encompassing identity forms, product data, customer data, sales, search functions, and a main dashboard. The system is capable of automatic data input, sales calculations, data validation, and report summarization. The trial demonstrated improved efficiency, accuracy, and ease of use compared to the previous manual system, which was prone to errors. The Excel VBA-based sales recording system has proven to enhance work efficiency and report accuracy. It is recommended that the company fully implement this system, train staff on its operation, and consider further developments such as database integration and automatic backup features to ensure system security and long-term sustainability.

Keywords: Microsoft Excel, Visual Basic for Application, Sales Report.