ABSTRAK

Citra Abadi adalah perusahaan yang bergerak dalam bidang penjualan barang-barang elektronik. Perusahaan ini mempunyai kendala dalam mengolah data yang dimiliki perusahaan, terutama dalam proses pembuatan laporan.

Dalam perancangan perangkat lunak ini, digunakan metoda pengembangan *waterfalls* yang meliputi tahap rekayasa sistem, analisis sistem, perancangan, pengkodean, pengujian dan pemeliharaan. Berdasarkan analisis masalah yang telah dilakukan meliputi analisis prosedur dan dokumen sistem melalui flow Map, Analisis Kebutuhan, analisis jaringan, analisis perangkat keras dan perangkat lunak, serta analisis pengguna, maka dirancanglah perangkat lunak dalam beberapa tahap yaitu perancangan sistem melalui diagram konteks dan data flow diagram (DFD), perancangan model data melalui Entity Relationship Diagram (ER – Diagram), perancangan basis data, perancangan jaringan, perancangan antar muka, dan perancangan struktur menu bagi masing-masing user. User sistem informasi Persediaan Barang ini meliputi Pimpinan, Bagian Administrasi, dan Bagian Gudang.

Sistem informasi Persediaan Barang ini diimplementasikan berdasarkan analisis kebutuhan dengan menggunakan bahasa pemrograman Borland Delphi 7.0 dan basis datanya menggunakan MySQL Server. Sistem informasi Persediaan Barang ini berbasis client server yang meliputi proses pengolahan data Pemesanan Barang, Pembelian Barang, Penjualan Barang, Penerimaan Barang, Pengeluaran Barang, Retur Penjualan, Retur Pembelian, serta pembuatan laporan.

Sistem informasi Persediaan Barang ini memiliki tampilan dan menu yang mudah digunakan, sehingga diharapkan sistem informasi Persediaan Barang ini dapat mempermudah dalam Mengelola data yang dimiliki oleh Citra Abadi.

Kata Kunci : Citra Abadi, Client Server, Borland Delphi 7.0, SQL Server 2000.

ABSTRACT

The information system usage in library data processing was the basic needed to make easier the library data processing, especially for the manually data processing like The West Java Province Agriculture And Holticulture Institution Libary. With this library information system could be improved the effectiveness the library services.

To build this software, use the waterfalls method that has several steps that is system engineering, analysis, design, coding, testing and maintenance. Reference with the problem analysis that is document and procedure analysis with flow map, network analysis, hardware and software analysis, and user analysis, this application is implemented with several steps that is system design through context diagram and data flow diagram (DFD), model design through entity relationship diagram (ER-Diagram), database design, network design, interface design and menu design for the user. This library information system's users are the Librarian as Administrator, the Room's Responsible, the Sub Common Unit Head, and the library visitor.

This library information system implemented based on needed analysis with Borland Delphi 7.0 and SQL Server 2000 for the Database Management System (DBMS). This library information system based on client server method that have some process that is acceptance book data processing (consist of book contributor data and acceptance book), book data (consist of book publisher data, book author data, book category, and book data), member data, town data, and report.

This library information system has the easier displays and usages, so that it might be helpful in library data processing and make the information flows faster within the Librarian, or the other staffs even for the library visitors.

Keyword : Citra Abadi, Client Server, Borland Delphi 7.0, SQL Server 2000.