

ABSTRAK

Ekspedisi barang adalah suatu bisnis yang sedang melaju dengan sangat pesat dan untuk menghadapi perkembangan zaman dan menyesuaikan diri dengan teknologi yang berjalan tersebut dibutuhkan suatu sistem yang dapat mengotomatisasi dalam pelaksanaan ekspedisi barang untuk membantu pelaksanaan ekspedisi barang dan mengurangi kesalahan dan risiko lainnya. Melalui sistem informasi yang akan dibangun ini, perusahaan yang bergerak dibidang ekspedisi barang dapat meningkatkan efektifitas dan efisiensi pelayanan usaha ekspedisi barang serta dapat menangani risiko – risiko yang dapat terjadi melalui fitur – fitur yang ada dalam sistem informasi yang akan dibangun seperti, *tracking online*, integrasi antar kantor dan cabang. Teknologi yang digunakan dalam membangun Sistem Informasi ekspedisi barang oleh penulis diantaranya : *J2EE* dan *J2SE* sebagai *framework* bahasa pemrograman dan *MySQL* sebagai database server. Hasil dari sistem informasi ini adalah suatu sistem informasi yang dapat menangani pengiriman barang pada umumnya dalam bentuk aplikasi sistem informasi ekspedisi barang menggunakan *java 2 platform enterprise edition*.

Kata kunci : Ekspedisi barang, *Tracking Online*, *Java 2 Platform Enterprise Edition*, *JSF*.

ABSTRACT

Expedition of goods is a business that was advance very rapidly and to deal with the times and adapt to the technology, we need a system that can automate the implementation of the delivery of goods to assist the implementation delivery of goods and reduce errors and other risks. Through the information system that will be built, the company engaged in expedition goods to improve effectiveness and efficiency of services in the business and can handle the risks that can occur through the existing features in the information system that will be built, such as online tracking, integration between offices and branches. The technology used in building Information Systems expedition of goods including: J2EE and J2SE as the framework programming language and MySQL as the database server. The result of this information system is a system of information that can handle the shipment of goods in general in the form of expedition goods information system applications using Java 2 platform enterprise edition.

Keywords : Expedition Courier, Tracking Online, Java 2 Platform Enterprise Edition, JSF.

DAFTAR ISI

LEMBAR PENGESAHAN	Error! Bookmark not defined.
PERNYATAAN PUBLIKASI LAPORAN PENELITIAN	Error! Bookmark not defined.
PERNYATAAN ORISINALITAS LAPORAN PENELITIAN	Error! Bookmark not defined.
PRAKATA.....	Error! Bookmark not defined.
ABSTRAK.....	i
ABSTRACT.....	ii
DAFTAR ISI	iii
DAFTAR TABEL	6
DAFTAR GAMBAR.....	7
BAB I PENDAHULUAN	Error! Bookmark not defined.
I.1 Latar Belakang Masalah	Error! Bookmark not defined.
I.2 Rumusan Masalah	Error! Bookmark not defined.
I.3 Tujuan Pembahasan	Error! Bookmark not defined.
I.4 Ruang Lingkup Kajian	Error! Bookmark not defined.
I.5 Sumber Data	Error! Bookmark not defined.
I.6 Sistematika Pembahasan	Error! Bookmark not defined.
BAB II KAJIAN TEORI.....	Error! Bookmark not defined.
II.1 Sistem Informasi.....	Error! Bookmark not defined.
II.1.1 Pengertian Sistem	Error! Bookmark not defined.
II.1.2 Pengertian Informasi	Error! Bookmark not defined.
II.1.3 Pengertian Sistem Informasi.....	Error! Bookmark not defined.
II.1.4 Pengiriman Barang	Error! Bookmark not defined.
II.2 <i>Unified Modeling Language (UML)</i>	Error! Bookmark not defined.
II.2.1 <i>Use Case Diagram</i>	Error! Bookmark not defined.
II.2.2 <i>Activity Diagram</i>	Error! Bookmark not defined.
II.2.3 <i>Class Diagram</i>	Error! Bookmark not defined.
II.3 <i>Entity Relationship Diagram (ER-Diagram)</i>	Error! Bookmark not defined.
II.3.1 Entitas	Error! Bookmark not defined.
II.3.2 Atribut.....	Error! Bookmark not defined.
II.3.3 Relasi	Error! Bookmark not defined.
II.3.4 Kardinalitas Relasi.....	Error! Bookmark not defined.
II.4 <i>Flowchart</i>	Error! Bookmark not defined.
II.5 Teknologi yang digunakan.....	Error! Bookmark not defined.
II.5.1 Bahasa Pemrograman Java	Error! Bookmark not defined.
II.5.1.1 <i>Java Programming Language</i>	Error! Bookmark not defined.
II.5.1.2 <i>Java Virtual Machine (JVM)</i>	Error! Bookmark not defined.
II.5.1.3 <i>Java Platform</i>	Error! Bookmark not defined.
II.6 <i>Database</i>	Error! Bookmark not defined.
II.7 Netbeans.....	Error! Bookmark not defined.
II.8 <i>XAMPP 2.5</i>	Error! Bookmark not defined.
II.9 <i>JasperReports</i>	Error! Bookmark not defined.
II.10 <i>Java2 Enterprise Edition (J2EE)</i>	Error! Bookmark not defined.
II.11 <i>JSP</i>	Error! Bookmark not defined.

BAB III ANALISIS DAN RANCANGAN SISTEM	Error! Bookmark not defined.
III.1 Analisis Proses Bisnis	Error! Bookmark not defined.
III.2 Entitas	Error! Bookmark not defined.
III.2.1 Proses Pengiriman Barang Secara Manual	Error! Bookmark not defined.
III.3 Entity Relationship Diagram (ERD)	Error! Bookmark not defined.
III.4 Design Database	Error! Bookmark not defined.
III.4.1 Detail Pengiriman	Error! Bookmark not defined.
III.4.2 History Transaksi	Error! Bookmark not defined.
III.4.3 Pengiriman	Error! Bookmark not defined.
III.4.4 Pembayaran	Error! Bookmark not defined.
III.4.5 Pegawai	Error! Bookmark not defined.
III.4.6 Kantor	Error! Bookmark not defined.
III.4.7 Type Kantor	Error! Bookmark not defined.
III.4.8 Shipper	Error! Bookmark not defined.
III.4.9 ShipperContent	Error! Bookmark not defined.
III.4.10 Jam_Operasi	Error! Bookmark not defined.
III.4.11 Kota	Error! Bookmark not defined.
III.4.12 Provinsi	Error! Bookmark not defined.
III.4.13 Pelanggan	Error! Bookmark not defined.
III.4.14 Tipe Pengiriman	Error! Bookmark not defined.
III.4.15 Rate	Error! Bookmark not defined.
III.4.16 Route	Error! Bookmark not defined.
III.4.17 Shipper Assignment Route	Error! Bookmark not defined.
III.5 Use Case Diagram	Error! Bookmark not defined.
III.6 Activity Diagram	Error! Bookmark not defined.
III.7 Class Diagram	Error! Bookmark not defined.
III.8 Perancangan	Error! Bookmark not defined.
III.8.1 Login	Error! Bookmark not defined.
III.8.2 Display Tipe Pengiriman	Error! Bookmark not defined.
III.8.3 Display Shipper	Error! Bookmark not defined.
III.8.4 Display Set Rate	Error! Bookmark not defined.
III.8.5 Display Route Manager	Error! Bookmark not defined.
III.8.6 Display Route	Error! Bookmark not defined.
III.8.7 Display Pusat	Error! Bookmark not defined.
III.8.8 Display Laporan Pengiriman	Error! Bookmark not defined.
III.8.9 Display Kota dan Provinsi	Error! Bookmark not defined.
III.8.10 Display Kantor	Error! Bookmark not defined.
III.8.11 Display Gudang	Error! Bookmark not defined.
III.8.12 Display Cabang	Error! Bookmark not defined.
BAB IV HASIL PENELITIAN	Error! Bookmark not defined.
IV.1.1 Proses Penerimaan Barang Customer	Error! Bookmark not defined.
IV.1.2 Proses Penerimaan Barang Gudang	Error! Bookmark not defined.
IV.1.3 Proses Pemindahan Barang antar Gudang	Error! Bookmark not defined.
IV.1.4 Proses Pengiriman ke Tujuan	Error! Bookmark not defined.
IV.1.5 Proses Setelah Pengiriman	Error! Bookmark not defined.
IV.1.6 Proses Tracking Barang	Error! Bookmark not defined.
IV.1.7 Proses Cek Rate Pengiriman	Error! Bookmark not defined.
IV.1.8 Proses Pembuatan Rute	Error! Bookmark not defined.

IV.1.9	Proses Pembuatan Rute Shipper	Error! Bookmark not defined.
IV.2	Halaman <i>Login</i>	Error! Bookmark not defined.
IV.3	<i>Display</i> Tipe Pengiriman.....	Error! Bookmark not defined.
IV.4	<i>Display Shipper</i>	Error! Bookmark not defined.
IV.5	<i>Display Set Rate</i>	Error! Bookmark not defined.
IV.6	<i>Display Route Manage</i>	Error! Bookmark not defined.
IV.7	<i>Display Route</i>	Error! Bookmark not defined.
IV.8	<i>Display Pusat</i>	Error! Bookmark not defined.
IV.9	<i>Display Laporan Pengiriman</i>	Error! Bookmark not defined.
IV.10	<i>Display Kota dan Provinsi</i>	Error! Bookmark not defined.
IV.11	<i>Display Kantor</i>	Error! Bookmark not defined.
IV.12	<i>Display Gudang</i>	Error! Bookmark not defined.
IV.13	<i>Display Cabang</i>	Error! Bookmark not defined.
IV.14	<i>Display Pengiriman Cabang</i>	Error! Bookmark not defined.
BAB V PEMBAHASAN DAN UJI COBA HASIL PENELITIAN		Error! Bookmark not defined.
V.1	Pengujian	Error! Bookmark not defined.
BAB VI SIMPULAN DAN SARAN		Error! Bookmark not defined.
VI.1	Simpulan	Error! Bookmark not defined.
VI.2	Saran	Error! Bookmark not defined.
DAFTAR PUSTAKA.....		Error! Bookmark not defined.
DAFTAR RIWAYAT HIDUP		Error! Bookmark not defined.

DAFTAR TABEL

Tabel I Konsep Dasar <i>UML</i>	Error! Bookmark not defined.
Tabel II Simbol <i>Flowchart</i>	Error! Bookmark not defined.
Tabel III Perbedaan I-Pos dan Aplikasi Penulis	Error! Bookmark not defined.
Tabel IV DetailPengiriman	Error! Bookmark not defined.
Tabel V HistoryTransaksi	Error! Bookmark not defined.
Tabel VI Pengiriman	Error! Bookmark not defined.
Tabel VII Pembayaran	Error! Bookmark not defined.
Tabel VIII Pegawai	Error! Bookmark not defined.
Tabel IX Kantor	Error! Bookmark not defined.
Tabel X TypeKantor	Error! Bookmark not defined.
Tabel XI <i>Shipper</i>	Error! Bookmark not defined.
Tabel XII <i>ShipperContent</i>	Error! Bookmark not defined.
Tabel XIII Jam_Operasi	Error! Bookmark not defined.
Tabel XIV Kota	Error! Bookmark not defined.
Tabel XV Provinsi	Error! Bookmark not defined.
Tabel XVI Pelanggan	Error! Bookmark not defined.
Tabel XVII Tipe_Pengiriman	Error! Bookmark not defined.
Tabel XVIII <i>Rate</i>	Error! Bookmark not defined.
Tabel XIX <i>Route</i>	Error! Bookmark not defined.
Tabel XX ShipperAssignmentRoute	Error! Bookmark not defined.
Tabel XXI Skenario <i>Use Case Login</i>	Error! Bookmark not defined.
Tabel XXII <i>Use Case Logout</i>	Error! Bookmark not defined.
Tabel XXIII Skenario <i>Use Case Create User</i>	Error! Bookmark not defined.
Tabel XXIV Skenario <i>Use Case Update User</i>	Error! Bookmark not defined.
Tabel XXV Skenario <i>Use Case Delete Data User</i>	Error! Bookmark not defined.
Tabel XXVI Skenario Cetak Struk pengiriman	Error! Bookmark not defined.
Tabel XXVII Skenario View Laporan pengiriman	Error! Bookmark not defined.
Tabel XXVIII <i>Form Login</i>	Error! Bookmark not defined.
Tabel XXIX <i>Create Pegawai</i>	Error! Bookmark not defined.
Tabel XXX <i>Create Pelanggan</i>	Error! Bookmark not defined.
Tabel XXXI Pengiriman	Error! Bookmark not defined.
Tabel XXXII Detail Pengiriman	Error! Bookmark not defined.

DAFTAR GAMBAR

Gambar 1 Contoh <i>Use Case Diagram</i>	Error! Bookmark not defined.
Gambar 2 Activity Diagram.....	Error! Bookmark not defined.
Gambar 3 <i>Nodes</i>	Error! Bookmark not defined.
Gambar 4 <i>Activity</i>	Error! Bookmark not defined.
Gambar 5 <i>Flow / Edge</i>	Error! Bookmark not defined.
Gambar 6 <i>Fork</i>	Error! Bookmark not defined.
Gambar 7 <i>Join</i>	Error! Bookmark not defined.
Gambar 8 <i>decision</i>	Error! Bookmark not defined.
Gambar 9 <i>merge</i>	Error! Bookmark not defined.
Gambar 10 Contoh Class	Error! Bookmark not defined.
Gambar 11 Package	Error! Bookmark not defined.
Gambar 12 <i>One to One</i>	Error! Bookmark not defined.
Gambar 13 <i>One to Many dan Many to One</i>	Error! Bookmark not defined.
Gambar 14 <i>Many to Many</i>	Error! Bookmark not defined.
Gambar 15 <i>Flowchart</i> Pengiriman Barang Manual	Error! Bookmark not defined.
Gambar 16 <i>Entity Relationship Diagram</i>	Error! Bookmark not defined.
Gambar 17 DB Designer	Error! Bookmark not defined.
Gambar 18 <i>Use Case Diagram</i>	Error! Bookmark not defined.
Gambar 19 Use Case Diagram Cabang	Error! Bookmark not defined.
Gambar 20 <i>Use Case Diagram (Website)</i>	Error! Bookmark not defined.
Gambar 21 <i>Activity Diagram Login Admin</i>	Error! Bookmark not defined.
Gambar 22 <i>Activity Diagram Logout</i>	Error! Bookmark not defined.
Gambar 23 <i>Activity Diagram Create User</i>	Error! Bookmark not defined.
Gambar 24 <i>Activity Diagram Update User</i>	Error! Bookmark not defined.
Gambar 25 <i>Activity Diagram Delete User</i>	Error! Bookmark not defined.
Gambar 26 <i>Activity Diagram</i> Cetak Pengiriman.....	Error! Bookmark not defined.
Gambar 27 <i>Activity Input Data</i> Pengiriman.....	Error! Bookmark not defined.
Gambar 28 <i>Activity Create Customer</i>	Error! Bookmark not defined.
Gambar 29 <i>Activity Delete Customer</i>	Error! Bookmark not defined.
Gambar 30 <i>Activity Update Customer</i>	Error! Bookmark not defined.
Gambar 31 <i>Class Diagram</i>	Error! Bookmark not defined.
Gambar 32 <i>Class Diagram</i>	Error! Bookmark not defined.
Gambar 33 <i>Class Diagram</i>	Error! Bookmark not defined.
Gambar 34 <i>Login</i>	Error! Bookmark not defined.
Gambar 35 <i>Display Tipe Pengiriman</i>	Error! Bookmark not defined.
Gambar 36 <i>Display Shipper</i>	Error! Bookmark not defined.
Gambar 37 <i>Display Set Rate</i>	Error! Bookmark not defined.
Gambar 38 <i>Display Route Manager</i>	Error! Bookmark not defined.
Gambar 39 <i>Display Route</i>	Error! Bookmark not defined.
Gambar 40 <i>Display Pusat</i>	Error! Bookmark not defined.
Gambar 41 <i>Display Laporan Pengiriman</i>	Error! Bookmark not defined.
Gambar 42 <i>Display Kota dan Propinsi</i>	Error! Bookmark not defined.
Gambar 43 <i>Display Kantor</i>	Error! Bookmark not defined.
Gambar 44 <i>Display Gudang</i>	Error! Bookmark not defined.
Gambar 45 <i>Display Cabang</i>	Error! Bookmark not defined.
Gambar 46 <i>Flowchart</i> Penerimaan Barang Customer	Error! Bookmark not defined.

Gambar 47 Proses Penerimaan Barang Gudang	Error! Bookmark not defined.
Gambar 48 Proses Pemindahan Barang antar Gudang	Error! Bookmark not defined.
Gambar 49 Proses Pengiriman ke Tujuan	Error! Bookmark not defined.
Gambar 50 Proses Setelah Pengiriman	Error! Bookmark not defined.
Gambar 51 Proses <i>Tracking</i> Barang	Error! Bookmark not defined.
Gambar 52 Proses Cek <i>Rate</i> Pengiriman.....	Error! Bookmark not defined.
Gambar 53 Proses Pembuatan Rute.....	Error! Bookmark not defined.
Gambar 54 Proses Pembuatan Shipper	Error! Bookmark not defined.
Gambar 55 Halaman <i>Login</i>	Error! Bookmark not defined.
Gambar 56 <i>Display</i> Tipe Pengiriman.....	Error! Bookmark not defined.
Gambar 57 <i>Display Shipper</i>	Error! Bookmark not defined.
Gambar 58 <i>Display Set Rate</i>	Error! Bookmark not defined.
Gambar 59 <i>Display Route Manage</i>	Error! Bookmark not defined.
Gambar 60 <i>Display Route</i>	Error! Bookmark not defined.
Gambar 61 <i>Display</i> Pusat.....	Error! Bookmark not defined.
Gambar 62 <i>Display</i> Laporan Pengiriman.....	Error! Bookmark not defined.
Gambar 63 <i>Display</i> kota dan provinsi.....	Error! Bookmark not defined.
Gambar 64 <i>Display</i> Kantor	Error! Bookmark not defined.
Gambar 65 <i>Display</i> Gudang	Error! Bookmark not defined.
Gambar 66 <i>Display</i> Cabang	Error! Bookmark not defined.
Gambar 67 <i>Display</i> Pengiriman cabang	Error! Bookmark not defined.
Gambar 68 Ekspedisi Barang.....	Error! Bookmark not defined.
Gambar 69 Display Company Profile	Error! Bookmark not defined.
Gambar 70 Display Tracking	Error! Bookmark not defined.

