

ABSTRAK

Toko Sinar Punama Putra adalah salah satu toko yang menjual berbagai macam barang seperti tinta, undangan, kertas, dan cairan untuk tinta, terletak di Ciamis yang sedang berkembang dan mulai dikenal di kota sekitarnya seperti Pangandaran, Banjar, Tasikmalaya. Keseluruhan transaksi baik penjualan, *inventori* sudah bersifat komputerisasi. Namun sebelum dikomputerisasikan pihak SPP masih menulis transaksi baik penjualan, *inventori* di buku lalu memasukkan ke aplikasi desktop, sehingga mengalami kesulitan saat hendak memasukkan data yang telah dibukukan ke komputer. Banyak data yang hilang maupun lupa ditulis di buku. Untuk itulah dibuatlah aplikasi *online* untuk menanggulangi permasalahan tersebut. Pembuatan aplikasi ini menggunakan bahasa pemrograman ASP.Net C# dengan *visual studio* 2010 serta *SQL Server Express* 2008 R2 sebagai sarana penggerjaannya. Penelitian ini telah menghasilkan sebuah aplikasi yang bisa menangani transaksi penjualan, inventaris, dan akuntansi secara online yang ada toko Sinar Purnama Putra.

Kata Kunci : Sistem Informasi, Inventaris, dan Aplikasi Online

ABSTRACT

Sinar Purnama Putra store is a store that sells many items such as ink, paper, invitation, cards, and liquid for the ink, which is located in Ciamis that in developed and became known in other cities such as Pangandaran, Banjar, Tasikmalaya. A whole lot of sales, inventory has become computerized. But before it computerized SPP still write the transaction in the book then input it to the application desktop. So experiencing difficulties when trying to insert data that has been recorded to the computer. Much data is lost or forgotten written in the book. For that reason online application is made to overcome these problems. This application is made using ASP.NET programming language C# with visual studio 2010 and SQL Server Express 2008 R2 as a basic to make the application. This research has produced an application that can handle sales transaction, inventory and accounting online.

Key word : System Information, Inventory, Online Application

Daftar Isi

PERNYATAAN PUBLIKASI LAPORAN PENELITIAN	i
PERNYATAAN ORISINALITAS LAPORAN PENELITIAN	ii
PRAKATA.....	iii
ABSTRAK.....	v
ABSTRACT.....	vi
Daftar Isi	vii
Daftar Gambar.....	xi
Daftar Tabel.....	xiv
BAB I PENDAHULUAN	1
1.1 Latar Belakang.....	1
1.2 Rumusan Masalah	2
1.3 Tujuan Masalah.....	2
1.4 Ruang Lingkup Kajian.....	3
1.5 Sumber <i>Data</i>	4
1.6 Sistematika Penulisan	5
BAB II LANDASAN TEORI	7
2.1 Sistem Informasi.....	7
2.1.1 Sistem.....	7
2.1.2 Informasi	8
2.1.3 Sistem Informasi.....	9
2.2 ASP.NET	10
2.2.1 <i>Introduction</i> ASP.NET	10
2.2.2 Installing the Required Software.....	12
2.3 Microsoft SQL Server 2008 R2 Express.....	13
2.4 Microsoft Visual Studio 2010.....	13
2.5 Programming C#.....	14
2.5.1. .NET Framework	14
2.5.2. C#.....	14
2.6 Flowchart.....	15
2.7 DFD (Data Flow Diagram).....	18

2.8 ERD (Entity Relationship Diagram)	20
2.9 Akuntansi	24
2.9.1 Pengenalan Akuntansi	24
2.9.2 Element Awal dari Akuntansi	25
2.9.3 Laporan Keuangan	25
BAB III ANALISIS DAN PERANCANGAN.....	28
3.1 Proses Bisnis	28
3.2 Flowchart	28
3.2.1 Penjualan Sebelum ada <i>Program SPP</i>	28
3.2.2 Penjualan Sesudah ada <i>Program SPP</i>	32
3.3 DFD	35
3.3.1 DFD Lvl 0	35
3.3.2 DFD Lvl 1	35
3.3.3 DFD Lvl 2 Proses Penjualan	36
3.3.4 DFD Lvl 2 Proses Pengolahan Data Master	37
3.3.5 DFD Lvl 2 Proses Laporan Akuntansi	38
3.3.6 DFD Lvl 3 Pengolahan Data Customer	38
3.3.7 DFD Lvl 3 Pengolahan Data Supplier	39
3.3.8 DFD Lvl 3 Pengolahan Data Karyawan	39
3.4 Kamus Data	41
3.5 PSPEC	44
3.6 ER-D	56
3.7 Rancangan Desain Antarmuka Pengguna	64
BAB IV HASIL PENELITIAN.....	82
4.1 Home Awal	82
4.2 About Us	82
4.3 Contact Us	83
4.4 Kertas	83
4.5 Undangan	84
4.6 Tinta	84

4.7	Cairan	85
4.8	Register	85
4.9	Login.....	86
4.10	Halaman <i>Home Customer</i>.....	88
4.11	Halaman Beli Barang <i>Customer</i>.....	89
4.12	Halaman Lihat Barang Pesan <i>Customer</i>.....	89
4.13	Halaman Profile <i>Customer</i>	90
4.14	Customer	90
4.15	Halaman Home Admin	91
4.16	Halaman Manage Barang.....	91
4.17	Halaman Kategori Admin.....	92
4.18	Halaman Satuan Admin.....	92
4.19	Halaman Tarif Kirim Admin.....	93
4.20	Halaman Supplier Admin	93
4.21	Halaman Barang Pesanan Admin.....	94
4.22	Halaman Profile Admin	94
4.23	Halaman Change Password Admin.....	95
4.24	Halaman Home Admin Special.....	95
4.25	Halaman manage barang Admin Special	96
4.26	Halaman Kategori Admin Special	96
4.27	Halaman Satuan Admin Special.....	97
4.28	Halaman Tarif Kirim Admin Special.....	97
4.29	Halaman Supplier Admin Special	98
4.30	Halaman Barang Pesanan Admin Special.....	98
4.31	Halaman Manage Admin Special	99
4.32	Halaman Profile Admin Special.....	99
4.33	Halaman Change Password Admin Special	100
4.34	Halaman Laporan Admin Special.....	100
BAB V	PEMBAHASAN DAN HASIL COBA PENELITIAN.....	104
5.1	<i>Form Login.....</i>	104
5.2	<i>Form Register</i>	104
5.3	<i>Form Beli Barang Customer.....</i>	105
5.4	<i>Form Profile Customer.....</i>	105
5.5	<i>Form Change Password Customer.....</i>	106
5.6	<i>Form Manage Barang Admin.....</i>	106

5.7 Form Kategori Barang Admin.....	108
5.8 Form Satuan Admin.....	109
5.9 Form Tarif Kirim Barang Admin	110
5.10 Form Tarif Kirim Barang Admin	111
5.11 Form Profile Admin	112
5.12 Form Change Password Admin	112
5.13 Form Manage Barang Admin Spesial	113
5.14 Form Kategori Barang Admin Spesial	114
5.15 Form Satuan Barang Admin Spesial.....	115
5.16 Form Tarif Kirim Barang Admin	116
5.17 Form Tarif Kirim Barang Admin Spesial.....	117
5.18 Form Profile Admin Spesial.....	118
5.19 Form Change Password Admin Spesial.....	118
5.20 Form Manage Admin Admin Spesial.....	119
5.21 Form Neraca Keuangan Admin Spesial.....	120
BAB VI KESIMPULAN DAN SARAN	121
6.1 Kesimpulan	121
6.2 Saran.....	121
Daftar Pustaka	xviii
DAFTAR RIWAYAT HIDUP	xx

Daftar Gambar

Gambar 2.1 <i>Simple Model System</i>	7
Gambar 2.2 Siklus Informasi.....	8
Gambar 2.3 <i>Information System Components</i>	9
Gambar 2.4 contoh dari DFD.....	18
Gambar 2.5 contoh dari <i>process</i>	19
Gambar 2.6 contoh dari <i>Flow</i>	19
Gambar 2.7 contoh dari <i>store</i>	19
Gambar 2.8 contoh dari <i>terminator</i>	20
Gambar 2.8 contoh dari ERD	21
Gambar 2.9 contoh dari <i>Object Type/Entities</i>	21
Gambar 2.10 contoh dari <i>Object Type</i>	22
Gambar 2.11 contoh <i>Relationship One to One</i>	22
Gambar 2.12 contoh <i>Relationship Many to One</i>	22
Gambar 2.13 contoh <i>Relationship One to Many</i>	22
Gambar 2.14 contoh <i>Relationship Many to Many</i>	23
Gambar 3.1 <i>Flowchart Penjualan Sebelum 1</i>	29
Gambar 3.2 <i>Flowchart Penjualan Sebelum 2</i>	30
Gambar 3.3 <i>Flowchart Penjualan Sebelum 3</i>	31
Gambar 3.4 <i>Flowchart Penjualan Sesudah 1</i>	32
Gambar 3.5 <i>Flowchart Penjualan Sesudah 2</i>	33
Gambar 3.6 <i>Flowchart Penjualan Sesudah 3</i>	34
Gambar 3.7 DFD Lvl 0.....	35
Gambar 3.8 DFD Lvl 1.....	35
Gambar 3.9 DFD Lvl 2 Proses Penjualan	36
Gambar 3.10 DFD Lvl 2 Proses Pengolahan Master.....	37
Gambar 3.11 DFD Lvl 2 Proses Laporan Akuntansi.....	38
Gambar 3.12 DFD Lvl 3 Proses Pengolahan Data Customer	39
Gambar 3.13 DFD Lvl 3 Proses Pengolahan Data Supplier	39
Gambar 3.14 DFD Lvl 3 Proses Pengolahan Data Karyawan.....	39
Gambar 3.15 DFD Lvl 3 Proses Pengolahan Data Barang, Satuan, Tarif Kirim, dan Kategori.....	40
Gambar 3.24 ER-D	56
Gambar 3.25 Halaman <i>Home Awal</i>	64
Gambar 3.26 Halaman <i>Abous Us Awal</i>	65
Gambar 3.27 Halaman <i>Contact Us Awal</i>	65
Gambar 3.28 Halaman Awal Kertas	66

Gambar 3.29 Halaman Awal Undangan	66
Gambar 3.30 Halaman Awal Tinta.....	67
Gambar 3.31 Halaman Awal Cairan	67
Gambar 3.32 Halaman <i>Home Customer</i>	68
Gambar 3.33 Halaman Beli Barang <i>Customer</i>	68
Gambar 3.34 Halaman Lihat Pesanan <i>Customer</i>	69
Gambar 3.35 Halaman Lihat <i>Profile Customer</i>	69
Gambar 3.36 Halaman <i>Change Password Customer</i>	70
Gambar 3.37 Halaman <i>Home Admin</i>	70
Gambar 3.38 Halaman <i>Manage Barang Admin</i>	71
Gambar 3.39 Halaman Kategori <i>Admin</i>	71
Gambar 3.40 Halaman Satuan <i>Admin</i>	72
Gambar 3.41 Halaman Tarif Kirim <i>Admin</i>	72
Gambar 3.42 Halaman Supplier <i>Admin</i>	73
Gambar 3.43 Halaman Barang Pesanan.....	73
Gambar 3.44 Halaman <i>Profile Admin</i>	74
Gambar 3.45 Halaman <i>Change Password Admin</i>	74
Gambar 3.46 Halaman <i>Home Admin Special</i>	75
Gambar 3.47 Halaman <i>Manage Barang Admin Special</i>	75
Gambar 3.48 Halaman Kategori <i>Admin Special</i>	76
Gambar 3.49 Halaman Satuan <i>Admin Special</i>	76
Gambar 3.50 Halaman Tarif Kirim <i>Admin Special</i>	77
Gambar 3.51 Halaman <i>Supplier Admin Special</i>	77
Gambar 3.52 Halaman Barang Pesanan <i>Admin Special</i>	78
Gambar 3.53 Halaman <i>Manage Admin Admin Special</i>	78
Gambar 3.54 Halaman <i>Profile Admin Special</i>	79
Gambar 3.55 Halaman <i>Change Password Admin Special</i>	79
Gambar 3.56 Halaman Jurnal <i>Admin Special</i>	80
Gambar 3.57 Halaman Laba/Rugi <i>Admin Special</i>	80
Gambar 3.58 Halaman Neraca Keuangan <i>Admin Special</i>	81
Gambar 3.59 Halaman Grafik <i>Admin Special</i>	81
Gambar 3.60 Halaman <i>Home Awal</i>	82
Gambar 3.61 Halaman <i>About Us</i>	82
Gambar 3.61 Halaman <i>Contact Us</i>	83
Gambar 3.62 Halaman Tampilkan Jenis Barang Kertas	83
Gambar 3.63 Halaman Tampilkan Jenis Barang Undangan.....	84
Gambar 3.64 Halaman Jenis Barang Tampilkan Tinta	84

Gambar 3.65 Halaman Jenis Barang Tampilkan Cairan	85
Gambar 3.66 Halaman <i>Register</i>	85
Gambar 3.67 Halaman <i>Register Validasi</i>	86
Gambar 3.68 Halaman <i>Register Berhasil Register</i>	86
Gambar 3.70 Halaman <i>Login</i>	87
Gambar 3.70 Halaman <i>Login Gagal 1</i>	87
Gambar 3.71 Halaman <i>Login Gagal 2</i>	88
Gambar 3.72 Halaman <i>Home Customer</i>	88
Gambar 3.73 Halaman Beli Barang <i>Customer</i>	89
Gambar 3.74 Halaman Lihat Barang Pesan <i>Customer</i>	89
Gambar 3.75 Halaman <i>Profile Customer</i>	90
Gambar 3.76 Halaman <i>Change Password Customer</i>	90
Gambar 3.77 Halaman <i>Home Admin</i>	91
Gambar 3.78 Halaman <i>Manage Barang</i>	91
Gambar 3.79 Halaman Kategori <i>Admin</i>	92
Gambar 3.80 Halaman Satuan <i>Admin</i>	92
Gambar 3.81 Halaman Tarif Kirim <i>Admin</i>	93
Gambar 3.82 Halaman <i>Supplier Admin</i>	93
Gambar 3.83 Halaman Barang Pesanan <i>Admin</i>	94
Gambar 3.84 Halaman <i>Profile Admin</i>	94
Gambar 3.85 Halaman <i>Change Password Admin</i>	95
Gambar 3.86 Halaman <i>Home Admin Special</i>	95
Gambar 3.87 Halaman <i>Manage Barang Admin Special</i>	96
Gambar 3.88 Halaman Kategori <i>Admin Special</i>	96
Gambar 3.89 Halaman Satuan <i>Admin Special</i>	97
Gambar 3.90 Halaman Tarif Kirim <i>Admin Special</i>	97
Gambar 3.91 Halaman <i>Supplier Admin Special</i>	98
Gambar 3.92 Halaman Barang Pesan <i>Admin Special</i>	98
Gambar 3.93 Halaman <i>Manage Admin Admin Special</i>	99
Gambar 3.94 Halaman <i>Profile Admin Special</i>	99
Gambar 3.95 Halaman <i>Change Password Admin Special</i>	100
Gambar 3.96 Halaman <i>laporan Admin Special</i>	100
Gambar 3.97 Halaman <i>laba/rugi Admin Special</i>	101
Gambar 3.98 Halaman <i>jurnal Admin Special</i>	101
Gambar 3.99 Halaman neraca keuangan <i>Admin Special</i>	102

Daftar Tabel

Table I Table Flowchart	17
Table II Table DFD.....	20
Table III Table ERD	24
Table IV contoh <i>trial balance</i>	26
Table V contoh jurnal	27
Table VI Kamus <i>Data Barang</i>	41
Table VII Kamus <i>Data Customer</i>	41
Table VIII Kamus <i>Data Supplier</i>	42
Table IX Kamus <i>Data Kategori</i>	42
Table X Kamus <i>Data Satuan</i>	42
Table XI Kamus <i>Data Tarif Kirim</i>	42
Table XII Kamus <i>Data Karyawan</i>	43
Table XIII Kamus <i>Data Login</i>	43
Table XIV Kamus <i>Data Penjualan</i>	43
Table XV Kamus Laporan Akuntansi.....	44
Table XVI Proses <i>Insert Data Customer</i>	44
Table XVII Proses <i>Update Data Customer</i>	44
Table XVIII Proses <i>Delete Data Customer</i>	45
Table XIX Proses <i>Search Data Customer</i>	45
Table XX Proses <i>Insert Data Supplier</i>	46
Table XXI Proses <i>Update Data Supplier</i>	46
Table XXII Proses <i>Delete Data Supplier</i>	46
Table XXIII Proses <i>Search Data Supplier</i>	47
Table XXIV Proses <i>Insert Data Barang</i>	47
Table XXV <i>Update Data Barang</i>	48
Table XXVI <i>Update Delete Data Barang</i>	48
Table XXVII <i>Search Delete Data Barang</i>	49
Table XXVIII <i>Search Kategori</i>	49
Table XXIX <i>Insert Kategori</i>	50
Table XXX <i>Delete Kategori</i>	50
Table XXXI <i>Search Satuan</i>	51
Table XXXII <i>Insert Satuan</i>	51
Table XXXIII <i>Delete Satuan</i>	51
Table XXXIV <i>Search Tarif Kirim</i>	52
Table XXXV <i>Insert Tarif Kirim</i>	52
Table XXXVI <i>Delete Tarif Kirim</i>	53

Table XXXVII Insert Data Karyawan.....	53
Table XXXVIII Update Data Karyawan	53
Table XXXIX Delete Data Karyawan.....	54
Table XXXX Search Data Karyawan.....	54
Table XXXXI Tabel Barang	57
Table XXXXII Tabel Supplier	57
Table XXXXIII Tabel Customer.....	57
Table XXXXIV Tabel Karyawan	58
Table XXXXV Tabel Jenis Karyawan	58
Table XXXXVI Tabel kategori	59
Table XXXXVII Tabel Satuan	59
Table XXXXVIII Tabel tarif kirim	59
Table XXXXIX Tabel Barang dibeli customer.....	60
Table XXXXX Tabel Barang dicatat karyawan.....	60
Table XXXXI Tabel Barang dipasok supplier.....	60
Table XXXXII Tabel Penjualan Backup.....	61
Table XXXXIII Tabel Jurnal.....	62
Table XXXXIV Tabel Laba/Rugi.....	62
Table XXXXV Tabel Neraca Keuangan.....	63
Table XXXXVI Testing Form Login	104
Table XXXXVII Testing Form Register.....	104
Table XXXXVIII Testing Form Beli Barang Customer.....	105
Table XXXXIX Testing Form Profile Customer.....	105
Table XXXXX Testing Form Change Password Customer.....	106
Table XXXXI Testing Form Manage Barang Admin.....	106
Table XXXXII Testing Form Kategori Admin.....	108
Table XXXXIII Testing Form Satuan Admin	109
Table XXXXIV Testing Form Kategori Admin	110
Table XXXXV Testing Form Kategori Admin	111
Table XXXXVI Testing Form Kategori Admin	112
Table XXXXVII Testing Form Change Password Admin	112
Table XXXXVIII Testing Form Manage Barang Admin Spesial	113
Table XXXXIX Testing Form Kategori Admin Spesial	114
Table XXXXXX Testing Form Satuan Admin Spesial.....	115
Table XXXXXI Testing Form Kategori Admin Spesial	116
Table XXXXXII Testing Form Kategori Admin Spesial	117
Table XXXXXXIII Testing Form profile Admin Spesial.....	118

Table XXXXXIV Testing Form Change Password Admin Spesial	118
Table XXXXXV Testing Form Change Password Admin Spesial	119
Table XXXXXVI Testing Form Neraca Keuangan Admin Spesial	120