

ABSTRACT

PT S Bandung is subdivision of PT X in the Textile Factory . All documentations which now still manual that is doing input data constructively Microsoft Excel. Data often times cannot tracing by part of Sales And Distribution. With presence application of web can be handling the problem of management data in sales contract, order sales, and order delivery.

Many problem overall about data management can be handle maximally. Making of application of web this most imitating job of SAP residing in company of center. Application of Web will check to all data to be included by user. Marginally this module consist of 4 big shares which is interaction. Application of Web assist to do seeking of data accurately to each. Every modules sequence so that data earn integrated better and prevent the happening of mistake.

Keyword : Sales, Customer, Contract, Order, Delivery

DAFTAR ISI

LEMBAR PENGESAHAN	ii
PERNYATAAN ORISINALITAS LAPORAN PENELITIAN.....	iii
PERNYATAAN PUBLIKASI LAPORAN PENELITIAN.....	iv
KATA PENGANTAR	v
ABSTRACT	vi
DAFTAR ISI.....	vii
DAFTAR GAMBAR.....	xi
DAFTAR TABEL	xv
DAFTAR LAMPIRAN	xvii
BAB I PENDAHULUAN.....	1
I.1 Latar Belakang	1
I.2 Perumusan Masalah.....	3
I.3 Tujuan	3
I.4 Batasan Masalah.....	3
I.5 Sistematika Penulisan	4
BAB II LANDASAN TEORI	6
II.1 MYSQL.....	6
II.1.1 Pendahuluan tentang MySQL.....	6
II.1.2 Perintah – Perintah Basis Data MySQL	8
II.1.2.1 Perintah untuk Membuat Basis Data.....	8
II.1.2.2 Perintah untuk Memanipulasi data	11
II.2HTML	12
II.2.1CSS.....	17
II.2.2Javascript	18
II.2.3AJAX	20
II.3PHP	25

II.3.1 Definisi PHP	25
II.3.2 Aturan Dasar PHP	26
II.3.3 Kontrol Struktur PHP	27
II.3.4 Fungsi dalam PHP	30
II.4 Data Flow Diagram (DFD)	31
II.4.1 Definisi Data Flow Diagram.....	31
II.4.2 Aturan dalam Pembuatan DFD	33
II.4.3 Simbol – Simbol DFD.....	33
II.4.4 Context Diagram.....	39
II.4.5 Kamus Data.....	39
II.4.6 Process Specification (PSPEC)	40
II.5 Entity Relationship Diagram.....	41
II.5.1 Definisi Entity Relationship Diagram	41
II.5.2 Komponen ERD.....	42
II.6 Flowchart.....	46
II.6.1 Simbol Flowchart	48
II.6.2 Simbol Terminal (Terminator)	49
II.6.3 Simbol Dokumen	49
II.6.4 Simbol Proses.....	50
II.6.5 Simbol Input / Output	50
II.6.6 Simbol Decision	51
II.6.7 Simbol Aliran Proses.....	51
BAB III ANALISIS DAN PERANCANGAN.....	52
III.1 Profil PT X	52
III.1.1 Sejarah Berdirinya PT X	54
III.1.2 Produksi PT X.....	56
III.1.3 Visi dan Misi Perusahaan	57
III.2 Proses Bisnis.....	57

III.3 Perancangan Sistem	61
III.3.1 Entity Relationship Diagram (ERD).....	61
III.3.2 Data Flow Diagram (DFD)	71
III.3.3 Kamus Data	77
III.3.4 Process Specification (PSPEC).....	89
III.3.4.1 PSPEC DFD Level 1	89
III.3.4.2 PSPEC DFD Level 2 Proses CM.....	89
III.3.4.3 PSPEC DFD Level 2 Proses SC.....	90
III.3.4.4 PSPEC DFD Level 2 Proses SO	92
III.3.4.5 PSPEC DFD Level 2 Proses DO.....	93
III.3.5 Sketsa User Interface	95
BAB IV HASIL TERCAPAI	101
IV.1 Login	101
IV.2 Customer Master.....	102
IV.2.1 Create Customer Master.....	102
IV.2.2 Display Customer Master	106
IV.2.3 Edit Customer Master	110
IV.3 Sales Contract.....	113
IV.3.1 Create Sales Contract.....	113
IV.3.2 Display Sales Contract.....	115
IV.3.3 Edit Sales Contract	117
IV.4 Sales Order	120
IV.4.1 Create Sales Order	120
IV.4.2 Display Sales Order	122
IV.4.3 Edit Sales Order.....	123
IV.5 Delivery Order	125
IV.5.1 Create Delivery Order	125
IV.5.2 Display Delivery Order	127

IV.5.3 Edit Delivery Order	128
BAB V EVALUASI.....	131
BAB VI PENUTUP	140
VI.1 Kesimpulan	140
VI.2Saran	141
DAFTAR PUSTAKA.....	xviii

DAFTAR GAMBAR

Gambar 2.1 Perbandingan cara kerja web klasik dan Ajax	24
Gambar 2.2 Simbol-simbol DFD	34
Gambar 2.3 Jenis terminator	34
Gambar 2.4 Input output pada proses.....	35
Gambar 2.5 Proses pada data store	36
Gambar 2.6 Paket data.....	37
Gambar 2.7 Arus data menyebar	38
Gambar 2.8 Arus data mengumpul	38
Gambar 2.9 Arus data pada proses	38
Gambar 2.10 Siklus I-P-O.....	48
Gambar 2.11 Simbol Flowchart.....	48
Gambar 2.12 Simbol Terminal START dan END	49
Gambar 2.13 Simbol Dokumen.....	49
Gambar 2.14 Simbol Multi Dokumen	49
Gambar 2.15 Simbol Proses Manual	50
Gambar 2.16 Simbol Proses Tidak Manual.....	50
Gambar 2.17 Simbol Input / Output	50
Gambar 2.18 Simbol Percabangan.....	51
Gambar 2.19 Simbol Aliran Proses.....	51
Gambar 3.1 Alur program	60
Gambar 3.2 ERD program	63
Gambar 3.3 ERD temporary program	64
Gambar 3.4 Context Diagram	71
Gambar 3.5 DFD Level 1	72
Gambar 3.6 DFD Level 2 Proses CM.....	73
Gambar 3.7 DFD Level 2 Proses SC	74

Gambar 3.8 DFD Level 2 Proses SO	75
Gambar 3.9 DFD Level 2 Proses DO.....	76
Gambar 4.1 Menu Login	101
Gambar 4.2 Menu Pilihan	102
Gambar 4.3 Initial Screen 1 Menu Create Customer Master	102
Gambar 4.4 Window confirm untuk pembuatan data customer baru	103
Gambar 4.5 Initial Screen 2 Menu Create Customer Master	103
Gambar 4.6 Form pengisian General Data	104
Gambar 4.7 Form pengisian Sales Area Data bagian Sales	105
Gambar 4.8 Form pengisian Sales Area Data bagian Shipping	105
Gambar 4.9 Form pengisian Sales Area Data bagian Billing.....	106
Gambar 4.10 Text untuk pencarian data.....	107
Gambar 4.11 Form untuk melihat data customer	107
Gambar 4.12 Initial Screen Display Customer Master.....	107
Gambar 4.13 Customer Master General Data.....	108
Gambar 4.14 Customer Master Sales Area Data – Sales	108
Gambar 4.15 Customer Master Sales Area Data – Shipping	109
Gambar 4.16 Customer Master Sales Area Data – Billing Document.....	109
Gambar 4.17 Text untuk pencarian data.....	110
Gambar 4.18 Form initial untuk edit data customer.....	110
Gambar 4.19 Initial Screen Edit Customer Master	110
Gambar 4.20 Customer Master General Data.....	111
Gambar 4.21 Customer Master Sales Area Data - Sales	111
Gambar 4.22 Customer Master Sales Area Data -Shipping	112
Gambar 4.23 Customer Master Sales Area Data –Billing Document.....	112
Gambar 4.24 Initial Screen Menu Create Sales Contract.....	113
Gambar 4.25 Form pengisian Sales.....	114
Gambar 4.26 Form pengisian Material.....	114

Gambar 4.27 Form pengisian Shipping & Billing.....	115
Gambar 4.28 Pemberitahuan nomor Sales Contract.....	115
Gambar 4.29 Initial Screen pada menu Display Sales Contract	116
Gambar 4.30 Display Sales Contract - Sales	116
Gambar 4.31 Display Sales Contract - Material	117
Gambar 4.32 Display Sales Contract – Shipping & Billing.....	117
Gambar 4.33 Initial Screen Edit Sales Contract	118
Gambar 4.34 Edit Sales Contract - Sales	118
Gambar 4.35 Edit Sales Contract - Material.....	119
Gambar 4.36 Edit Sales Contract – Shipping & Billing	119
Gambar 4.37 Initial Screen Menu Create Sales Order	120
Gambar 4.38 Sales Order - Sales.....	121
Gambar 4.39 Sales Order - Material	121
Gambar 4.40 Pemberitahuan nomor Sales Order	122
Gambar 4.41 Initial Screen pada menu Display Sales Order	122
Gambar 4.42 Display Sales Order - Sales	122
Gambar 4.43 Display Sales Order - Material.....	123
Gambar 4.44 Initial Screen Edit Sales Order	123
Gambar 4.45 Edit Sales Order - Sales.....	124
Gambar 4.46 Edit Sales Order - Material	124
Gambar 4.47 Initial screen untuk Create Delivery Order	125
Gambar 4.48 Create Delivery Order - Sales	126
Gambar 4.49 Create Delivery Order – Material.....	127
Gambar 4.50 Initial Screen pada menu Display Delivery Order	127
Gambar 4.51 Display Delivery Order - Sales	128
Gambar 4.52 Display Delivery Order - Material.....	128
Gambar 4.53 Initial Screen Edit Delivery Order	129
Gambar 4.54 Edit Delivery Order - Sales.....	129

Gambar 4.55 Edit Delivery Order - Material	130
--	-----

DAFTAR TABEL

Tabel 2.1 Metode dalam Javascript	19
Tabel 2.2 Fungsi dalam Javascript	19
Tabel 2.3 Event dalam Javascript	20
Tabel 2.4 Notasi pada kamus data	40
Tabel 2.5 Notasi pada ERD	42
Tabel 3.1 Proses Produksi PT X	52
Tabel 3.2 Produksi PT X	56
Tabel 3.3 Entity cm	65
Tabel 3.4 Entity cm	65
Tabel 3.5 Entity sc	66
Tabel 3.6 Entity r_sc_material	66
Tabel 3.7 Entity material	67
Tabel 3.8 Entity so	67
Tabel 3.9 Entity transaksi_so	67
Tabel 3.10 Entity warna	68
Tabel 3.11 Entity motif	68
Tabel 3.12 Entity do	68
Tabel 3.13 Entity r_do_material	68
Tabel 3.14 Entity cm_temp	69
Tabel 3.15 Entity sc_temp	70
Tabel 3.16 Entity mat_temp	70
Tabel 3.17 Entity so_temp	70
Tabel 3.18 Entity do_temp	71
Tabel 3.19 Kamus Data login	77
Tabel 3.20 Kamus Data cm	77
Tabel 3.21 Kamus Data sc	79

Tabel 3.22 Kamus Data r_sc_material	80
Tabel 3.23 Kamus Data material.....	81
Tabel 3.24 Kamus Data so	81
Tabel 3.25 Kamus Data transaksi_so	82
Tabel 3.26 Kamus Data do	83
Tabel 3.27 Kamus Data r_do_material.....	83
Tabel 3.28 Kamus Data cm_temp.....	84
Tabel 3.29Kamus Data sc_temp.....	86
Tabel 3.30 Kamus Data so_temp.....	87
Tabel 3.31 Kamus Data mat_temp	87
Tabel 3.32 Kamus Data do_temp	88
Tabel 3.33 PSPEC DFD Level 1	89
Tabel 3.34 PSPEC DFD Level 2 Proses Create CM	89
Tabel 3.35 PSPEC DFD Level 2 Proses CM.....	89
Tabel 3.36 PSPEC DFD Level 2 Proses Update CM	90
Tabel 3.37 PSPEC DFD Level 2 Proses Create SC.....	90
Tabel 3.38 PSPEC DFD Level 2 Proses Display SC.....	91
Tabel 3.39 PSPEC DFD Level 2 Proses Lihat Report SC	91
Tabel 3.40 PSPEC DFD Level 2 Proses Update SC.....	91
Tabel 3.41 PSPEC DFD Level 2 Proses Create SO	92
Tabel 3.42 PSPEC DFD Level 2 Proses Display SO	92
Tabel 3.43 PSPEC DFD Level 2 Proses Update SO.....	92
Tabel 3.44 PSPEC DFD Level 2 Proses Create DO	93
Tabel 3.45 PSPEC DFD Level 2 Proses Display DO	93
Tabel 3.46 PSPEC DFD Level 2 Proses Lihat report DO	94
Tabel 3.47 PSPEC DFD Level 2 Proses Update DO	94
Tabel 3.48 Sketsa User Interface.....	95
Tabel 5.1 Evaluasi Validasi.....	131

DAFTAR LAMPIRAN

LAMPIRAN A DATA	A-1
LAMPIRAN B SOURCECODE.....	B-1
LAMPIRAN C RIWAYAT HIDUP.....	C-1