

ABSTRACT

Production Marketing and Controlling (PMC) yarn division is the division that handles marketing process for selling yarn. This division is splitted into 2 area, export and local. Yarn division still used manual method for make some sales contract and make production order. To make some sales contract and production order, need some data from SAP (System Application and Product in data processing). The writer's final assignment task for PT. X will make an application web base for the problem above especially for PMC yarn division. With this application, we can make sales contract, production order, and make transaction.

Keyword:

- **marketing process**
- **Web base application**
- **yarn division**
- **sales contract and production order**

DAFTAR ISI

KATA PENGANTAR.....	i
SURAT PERNYATAAN ORISINALITAS KARYA	iii
ABSTRACT	iv
DAFTAR ISI.....	v
DAFTAR GAMBAR.....	viii
DAFTAR TABEL.....	xii
DAFTAR LAMPIRAN	xiv
BAB I PENDAHULUAN.....	1
I.1 Latar Belakang.....	1
I.2 Perumusan Masalah	2
I.3 Tujuan.....	2
I.4 Batasan Masalah	2
I.5 Sistematika Penulisan.....	3
BAB II LANDASAN TEORI.....	5
II.1 PHP(HyperText Preprocessor).....	5
II.1.1 Sejarah PHP ^[5]	6
II.1.2 Kelebihan PHP dari bahasa pemrograman lain	7
II.2 Javascript.....	7
II.3 AJAX.....	9
II.3.1 Arsitektur pada AJAX	9
II.4 Basis Data (<i>Database</i>).....	13
II.4.1 Model Data	14
II.4.2 Jenis <i>Key</i>	18
II.4.3 <i>Participation Constraint</i>	19
II.5 DFD	19
II.5.1 Komponen Data Flow Diagram.....	20
II.5.2 Komponen terminator / entitas luar	21
II.5.3 Komponen proses	21
II.5.4 Komponen data store	22
II.5.5 Komponen data flow / alur data	23
II.5.6 Bentuk data flow diagram	25
II.5.7 Syarat-syarat pembuatan Data Flow Diagram	27
II.6 KAMUS DATA (<i>DATA DICITIONARY</i>)	27

II.6.1	ISI DD ^[6]	28
II.6.2	SIMBOL DD ^[6]	30
BAB III	ANALISIS DAN PERANCANGAN	31
III.1	Proses Bisnis	31
III.1.1	Proses Bisnis <i>Production Marketing and Controlling</i> (PMC) unit benang 31	
III.1.2	Proses Bisnis Aplikasi	32
III.2	Perancangan Sistem.....	33
III.2.1	Entity Relationship Diagram (ERD).....	34
III.2.2	Data Flow Diagram (DFD)	43
III.2.3	Kamus Data.....	57
III.2.4	<i>Process Specification</i> (PSPEC)	73
III.2.5	Sketsa User Interface (UI)	83
BAB IV	HASIL TERCAPAI.....	103
IV.1	BATCH.....	103
IV.2	Departemen	105
IV.3	<i>BUYER</i>	107
IV.4	Movement	110
IV.5	<i>Port</i>	112
IV.6	BANK	113
IV.7	Stock.....	115
IV.8	<i>Sales Contract</i>	117
IV.8.1	SC ekspor.....	117
IV.8.2	SC Lokal.....	119
IV.8.3	Edit SC	119
IV.9	PrO	121
IV.10	Edit Pro	122
IV.11	Cetak / <i>Report SC</i>	124
IV.12	Report PrO	126
IV.13	Transaksi.....	127
IV.14	EDI	130
IV.15	Cetak EDI	131
BAB V	EVALUASI	133
BAB VI	PENUTUP.....	139
VI.1	Kesimpulan	139

VI.2 Saran-saran	139
DAFTAR PUSTAKA.....	xii

DAFTAR GAMBAR

Gambar 2.1 DBMS.....	14
Gambar 2.2 Contoh Entitas Konsumen	16
Gambar 2.3 Relasi Satu ke Satu.....	17
Gambar 2.4 Relasi Satu ke Banyak	17
Gambar 2.5 Relasi Banyak ke Satu	17
Gambar 2.6 Relasi Banyak ke Banyak	17
Gambar 2.7 Contoh ER-Model.....	18
Gambar 2.8 total participation	19
Gambar 2.9 Partial participation.....	19
Gambar 2.10 DFD menurut Yourdan dan DeMarco.....	20
Gambar 2.11 DFD menurut Gene dan Serson	20
Gambar 2.12 Tipe Terminator.....	21
Gambar 2.13 Tipe Output	22
Gambar 2.14 Implementasi data store.....	23
Gambar 2.15 konsep sumber atau tujuan alur data.....	25
Gambar 2.16 DADF dan DADL.....	26
Gambar 3.1 ERD	35
Gambar 3.2 ERD temporary	36
Gambar 3.3 <i>Context</i> Diagram	43
Gambar 3.4 DFD Level 1	44
Gambar 3.5 DFD Level 2 Proses Data Master.....	47
Gambar 3.6 DFD Level 2 Proses Stock	49
Gambar 3.7 DFD Level 2 Proses SC	50
Gambar 3.8 DFD Level 3 Proses Report SC	52
Gambar 3.9 DFD Level 2 Proses PRO	53
Gambar 3.10 DFD Level 2 Proses Transaksi	55
Gambar 3.11 DFD Level 2 Proses EDI	57
Gambar 3.12 Input batch/lot	83
Gambar 3.13 Informasi validasi input batch	84
Gambar 3.14 Edit Batch.....	84

Gambar 3.15 Konfirmasi perubahan data batch	84
Gambar 3.16 Input department	85
Gambar 3.17 Informasi validase input department	85
Gambar 3.18 Edit department.....	86
Gambar 3.19 Konfirmasi perubahan data pada department	86
Gambar 3.20 Input buyer	87
Gambar 3.21 Informasi validasi input buyer.....	87
Gambar 3.22 Edit buyer.....	88
Gambar 3.23 Konfirmasi perubahan data buyer	88
Gambar 3.24 Input movement	89
Gambar 3.25 Informasi validasi input movement.....	89
Gambar 3.26 Edit movement	89
Gambar 3.27 Konfirmasi perubahan data movement	90
Gambar 3.28 Input Port	90
Gambar 3.29 Informasi validasi input port	90
Gambar 3.30 Edit port.....	91
Gambar 3.31 Konfirmasi perubahan data port.....	91
Gambar 3.32 Input BANK	92
Gambar 3.33 Informasi validasi input bank.....	92
Gambar 3.34 Edit BANK	93
Gambar 3.35 Konfirmasi perubahan data bank	93
Gambar 3.36 Input stock.....	94
Gambar 3.37 Informasi validasi input stock	94
Gambar 3.38 Edit Stock.....	94
Gambar 3.39 Konfirmasi perubahan data stock.....	95
Gambar 3.40 Input SC ekspor	95
Gambar 3.41 Informasi validasi input sc ekspor	96
Gambar 3.42 Edit SC ekspor	96
Gambar 3.43 konfirmasi perubahan data SC ekspor	97
Gambar 3.44 Input SC lokal.....	97
Gambar 3.45 Informasi validasi input SC lokal	97
Gambar 3.46 Edit SC lokal	98

Gambar 3.47 Konfirmasi perubahan data SC local.....	98
Gambar 3.48 Input PrO.....	98
Gambar 3.49 Informasi validasi input PrO	99
Gambar 3.50 Edit PrO	99
Gambar 3.51 Konfirmasi perubahan data PrO.....	100
Gambar 3.52 Transaksi	100
Gambar 3.53 Informasi validasi transaksi	101
Gambar 3.54 Input EDI.....	101
Gambar 3.55 Informasi validasi input EDI.....	102
Gambar 4.1 list batch.....	104
Gambar 4.2 input batch	104
Gambar 4.3 edit batch	105
Gambar 4.4 list department.....	105
Gambar 4.5 input <i>department</i>	106
Gambar 4.6 edit department	107
Gambar 4.7 <i>list buyer</i>	108
Gambar 4.8 <i>input buyer</i>	108
Gambar 4.9 <i>edit buyer</i>	109
Gambar 4.10 <i>view data buyer</i>	110
Gambar 4.11 <i>list movement</i>	111
Gambar 4.12 <i>input movement</i>	111
Gambar 4.13 <i>edit movement</i>	111
Gambar 4.14 <i>list port</i>	112
Gambar 4.15 input port	113
Gambar 4.16 <i>auto complete country</i>	113
Gambar 4.17 list bank.....	114
Gambar 4.18 input bank	114
Gambar 4.19 edit bank	115
Gambar 4.20 <i>list stock</i>	115
Gambar 4.21 input <i>stock</i>	116
Gambar 4.22 tanggal <i>stock</i>	116
Gambar 4.23 <i>auto complete material dan batch</i>	117

Gambar 4.24 <i>edit stock</i>	117
Gambar 4.25 list sc ekspor	118
Gambar 4.26 input sc ekspor.....	118
Gambar 4.27 list SC lokal	119
Gambar 4.28 input SC lokal.....	119
Gambar 4.29 edit SC	120
Gambar 4.30 edit sc export.....	120
Gambar 4.31 edit sc lokal	121
Gambar 4.32 input pro	121
Gambar 4.33 input pro	122
Gambar 4.34 mat_desc pro	122
Gambar 4.35 edit pro(input no pro).....	122
Gambar 4.36 edit PrO.....	123
Gambar 4.37 tambah material	123
Gambar 4.38 cetak SC	124
Gambar 4.39 report SC ekspor.....	125
Gambar 4.40 report SC lokal	126
Gambar 4.42 tampilan report PrO.....	127
Gambar 4.43 list transaksi	127
Gambar 4.44 Transaksi	128
Gambar 4.45 transaksi PrO	128
Gambar 4.46 transaksi SC.....	129
Gambar 4.47 transaksi adjustment	130
Gambar 4.48 list EDI.....	130
Gambar 4.49 input EDI	131
Gambar 4.50 Edit EDI.....	131
Gambar 4.51 cetak EDI	132
Gambar 4.52 dokumen EDI	132

DAFTAR TABEL

Tabel 2.1 Simbol Kamus Data	30
Tabel 3.1 entity master_batch.....	37
Tabel 3.2 entity master_buyer.....	37
Tabel 3.3 entity master_department	37
Table 3.4 entity master_movement.....	38
Table 3.5 master_country	38
Tabel 3.6 entity master_port	38
Table 3.7 entity master_bank.....	38
Tabel 3.8 entity input_sales	39
Tabel 3.9 entity input_sales_detail.....	40
Tabel 3.10 entity input_pro	40
Tabel 3.11 entity pro_det	40
Tabel 3.12 entity saldo.....	41
Tabel 3.13 entity transaction.....	41
Tabel 3.14 entity temp_transaction	41
Tabel 3.15 entity EDI	42
Tabel 3.16 Kamus Data master_batch.....	57
Tabel 3.17 Kamus Data master_department	58
Tabel 3.18 Kamus Data master_buyer	59
Tabel 3.19 Kamus Data master_bank.....	60
Tabel 3.20 Kamus Data master_port	61
Table 3.21 Kamus Data master_country.....	62
Tabel 3.22 Kamus Data master_movement.....	62
Tabel 3.23 Kamus Data saldo.....	63
Tabel 3.24 Kamus Data input_sales	64
Tabel 3.25 Kamus Data batch_material.....	66
Tabel 3.26 Kamus Data input_pro	67
Tabel 3.27 Kamus Data pro_det	67
Tabel 3.28 Kamus Data transaksi.....	68
Tabel 3.29 Kamus Data temp_transaction.....	69

Tabel 3.30 Kamus Data EDI	70
Tabel 3.31 Kamus Data tempatp	71
Tabel 3.32 Kamus Data temp_pro	72
Tabel 3.33 PSPEC DFD Proses Data Master	73
Tabel 3.34 PSPEC DFD Proses Input Stock	73
Tabel 3.35 PSPEC DFD Proses Edit Stock	74
Tabel 3.36 PSPEC DFD Proses View Stock Report	75
Tabel 3.37 PSPEC DFD Proses Create Sales Contract	75
Tabel 3.38 PSPEC DFD Proses Edit Sales Contract	76
Tabel 3.39 PSPEC DFD Proses Report SC	77
Tabel 3.40 PSPEC DFD Proses Print Report SC	78
Tabel 3.41 PSPEC DFD Proses Input PrO	78
Tabel 3.42 PSPEC DFD Proses Edit PrO	79
Tabel 3.43 PSPEC DFD Proses Report PrO	79
Tabel 3.44 PSPEC DFD Proses Transaksi PrO	80
Tabel 3.45 PSPEC DFD Proses Transaksi SC	80
Tabel 3.46 PSPEC DFD Proses Transaksi	81
Tabel 3.47 PSPEC DFD Proses Create EDI	82
Tabel 3.48 PSPEC DFD Proses Print Report Edi	83
Tabel 5.1 tabel evaluasi	133

DAFTAR LAMPIRAN

Lampiran A DATA.....	A-1
Lampiran B SOURCE CODE.....	B-1
Lampiran C RIWAYAT HIDUP.....	C-1