

ABSTRACT

The advance in technology that is going rapidly also affect the development of mobile devices nowadays, so the mobile devices are become sophisticated and very helpful. The development really helps in presenting fast and efficient information with features of mobile devices such as wireless connection and barcode service. PT Akur Pratama currently feels they have efficiency problems in managing goods which is still done manually. The display goods often lost (moved to other place), some of the price lists are missing, etc. These will make the performance of employees become slower. From the problems above, PT Akur pratama create a real time application called Operational Store Mobile Application which can help the staffs to manage the goods and good's information in the store as well.

Keyword : Mobile operational ,operational store, stock management

DAFTAR ISI

LEMBAR PENGESAHAN TUGAS AKHIR	i
SURAT PERNYATAAN ORISINALITAS KARYA	iii
PERNYATAAN PUBLIKASI LAPORAN PENELITIAN	iv
KATA PENGANTAR.....	v
ABSTRACT	vii
DAFTAR ISI.....	viii
DAFTAR GAMBAR	xv
DAFTAR TABEL.....	xx
DAFTAR LAMPIRAN.....	xxii
BAB I PENDAHULUAN	1
I.1 Latar Belakang	1
I.2 Perumusan Masalah.....	2
I.3 Tujuan.....	3
I.4 Batasan Masalah.....	3
I.5 Sistematika Penulisan	4
BAB II LANDASAN TEORI	6
II.1 Sistem informasi	6
II.1.1 Pengertian Data.....	6
II.1.2 Pengertian sistem.....	7
II.1.3 Pengertian informasi.....	7
II.1.4 Pengertian Sistem Informasi.....	8
II.2 Internet	9
II.2.1 Pengertian Internet	10
II.2.1.1 Sejarah Internet.....	10
II.2.2 World Wide Web (WWW)	10
II.2.2.1 Hypertext Transfer Protocol (HTTP).....	11
II.2.2.2 Aplikasi Web.....	11
II.3 Basis Data	12
II.3.1 Model Data	12
II.4 <i>Entity Relationship Diagram (ERD)</i>	12
II.4.1 Metodologi Entitas Relasional Diagram.....	12
II.4.2 Simbol-Simbol Entity Relational Diagram	13
II.4.3 Pemetaan Kardinalitas.....	14
II.5 DFD	15
II.6 Block Chart	16
II.7 Kamus Data / <i>Data Dictionary</i>	18
II.8 Process Specification	19
II.9 PHP	20
II.9.1 Konsep Kerja PHP	20
II.9.2 Skrip PHP	22
II.10 Javascript.....	22
II.11 Wireless Application Language.....	23
II.11.1 Pengertian WAP	23
II.11.2 Versi WAP	24
II.11.3 WAP Micro Browser.....	24
II.12 Wireless Markup Language	25
II.13 PDA.....	25
II.14 Web Server	26

II.14.1	Apache Web Server.....	26
BAB III	ANALISIS DAN PERANCANGAN	28
III.1	Proses Bisnis.....	28
III.2	Entity Relational Diagram	30
III.3	Relational Database	31
III.3.1	RELASI PADA SISTEM OPERATIONAL STORE	40
III.4	Data Flow Diagram	40
III.4.1	Context Diagram (Level 0).....	40
III.4.2	Data Flow Diagram lv1 (Menu Utama)	42
III.4.3	Data Flow Diagram lv2.1 (Proses Login).....	43
III.4.4	Data Flow Diagram lv2.2 (Proses Lihat Data Barang).....	43
III.4.5	Data Flow Diagram lv2.4 (Proses Pengelolaan Data Pengaturan Stok).....	44
III.4.6	Data Flow Diagram lv2.6 (Proses Print SKU)	45
III.4.7	Data Flow Diagram lv3.4.2 (Proses Manage Sales).....	45
III.4.8	Data Flow Diagram lv3.4.3 (Proses Manage Order).....	46
III.4.9	Data Flow Diagram lv3.4.4 (Proses Manage Receive).....	46
III.4.10	Data Flow Diagram lv3.4.5 (Proses Manage Retur)	47
III.4.11	Data Flow Diagram lv3.4.6 (Proses Manage Broken)	47
III.4.12	Data Flow Diagram lv3.4.7 (Proses Manage Transfer)	48
III.4.13	Data Flow Diagram lv3.4.8 (Proses Manage Stok Opname)..	48
III.4.14	Data Flow Diagram lv3.4.9 (Proses Lihat Laporan Stok Dan Sales)	49
III.4.15	Data Flow Diagram lv4.4.9.5 (Proses Lihat Laporan Average Sales)	50
III.4.16	Data Flow Diagram lv5.4.9.5.1 (Proses Lihat Data Laporan Average Sales Bulanan).....	51
III.4.17	Data Flow Diagram lv5.4.9.5.2 (Proses Lihat Data Laporan Average Sales Tahunan).....	52
III.5	Kamus Data.....	52
III.6	Process Specification	59
III.7	Desain Antarmuka	90
III.7.1	Halaman Login	90
III.7.2	Halaman Menu Utama Adminstrator	91
III.7.3	Halaman Menu Utama Staff	91
III.7.4	Halaman Stok Check.....	92
III.7.5	Halaman Proses Stok Check.....	92
III.7.6	Halaman Price Check.....	93
III.7.7	Halaman Proses Price Check.....	93
III.7.8	Halaman Manage Stok	94
III.7.9	Halaman Sales	94
III.7.10	Halaman Menu Ubah Sales.....	95
III.7.11	Halaman Proses Ubah Sales.....	95
III.7.12	Halaman Menu Lihat Sales.....	96
III.7.13	Halaman Proses Lihat Sales	96
III.7.14	Halaman Order	97
III.7.15	Halaman Menu Ubah Order.....	97
III.7.16	Halaman Proses Ubah Order	97
III.7.17	Halaman Menu Lihat Order	98
III.7.18	Halaman Proses Lihat Order	98
III.7.19	Halaman Receive	99
III.7.20	Halaman Menu Ubah Receive.....	99
III.7.21	Halaman Proses Ubah Receive.....	100

III.7.22	Halaman Tambah Sesuai Order	100
III.7.23	Halaman Menu Lihat Receive.....	101
III.7.24	Halaman Proses Lihat Receive	101
III.7.25	Halaman Retur.....	102
III.7.26	Halaman Menu Ubah Retur.....	102
III.7.27	Halaman Proses Ubah Retur.....	103
III.7.28	Halaman Menu Lihat Retur.....	103
III.7.29	Halaman Proses Lihat Retur.....	104
III.7.30	Halaman Broken.....	104
III.7.31	Halaman Menu Ubah Broken	105
III.7.32	Halaman Proses Ubah Broken	105
III.7.33	Halaman Menu Lihat Broken	106
III.7.34	Halaman Proses Lihat Broken	106
III.7.35	Halaman Transfer	107
III.7.36	Halaman Menu Ubah Transfer	107
III.7.37	Halaman Proses Ubah Transfer	108
III.7.38	Halaman Menu Lihat Transfer	108
III.7.39	Halaman Menu Pilih Transfer	109
III.7.40	Halaman Proses Lihat Transfer Masuk	109
III.7.41	Halaman Proses Lihat Transfer Keluar.....	110
III.7.42	Halaman Facing.....	110
III.7.43	Halaman Proses Facing	111
III.7.44	Halaman Sku	111
III.7.45	Halaman Lihat Data SKU.....	112
III.7.46	Halaman Proses Sku	112
III.7.47	Halaman Average Sales	113
III.7.48	Halaman Menu Average Sales Bulanan.....	113
III.7.49	Halaman Proses Average Sales Bulanan.....	113
III.7.50	Halaman Average Sales Bulanan berdasarkan hari.....	114
III.7.51	Halaman Proses Average Sales Bulanan Berdasarkan Hari	114
III.7.52	Halaman Average Sales Bulanan berdasarkan minggu	115
III.7.53	Halaman Proses Average Sales Bulanan Berdasarkan Minggu	115
III.7.54	Halaman Menu Average Sales Tahunan.....	116
III.7.55	Halaman Proses Average Sales Tahunan.....	116
III.7.56	Halaman Average Sales Tahunan berdasarkan hari.....	117
III.7.57	Halaman Proses Average Sales Tahunan Berdasarkan Hari	117
III.7.58	Halaman Average Sales Tahunan berdasarkan minggu	118
III.7.59	Halaman Proses Average Sales Tahunan Berdasarkan Minggu	118
III.7.60	Halaman Average Sales Tahunan berdasarkan bulan	119
III.7.61	Halaman Proses Average Sales Tahunan Berdasarkan Bulan	119
III.7.62	Halaman Perencanaan Stok.....	120
III.7.63	Halaman Proses Perencanaan Stok.....	120
III.7.64	Halaman Utama Stok Opname.....	120
III.7.65	Halaman Stok Opname	121
III.7.66	Halaman Proses Stok Opname	121
III.7.67	Halaman Hasil Simpan Proses Stok Opname	122
III.7.68	Halaman Saran.....	122
III.7.69	Halaman Report.....	123
III.7.70	Halaman Report Barang Paling Sering Rusak	124
III.7.71	Halaman Proses Barang Paling Sering Rusak	124
III.7.72	Halaman Lihat Detail Barang Paling Sering Rusak	125
III.7.73	Halaman Departemen Paling Sering Rusak	125
III.7.74	Halaman Proses Departemen Paling Sering Rusak.....	126

III.7.75	Halaman Detail Departemen Paling Sering Rusak.....	126
III.7.76	Halaman Barang Paling Sering Diretur.....	127
III.7.77	Halaman Proses Barang Paling Sering Diretur	127
III.7.78	Halaman Detail Barang Paling Sering Diretur	128
III.7.79	Halaman Departemen Paling Sering Diretur	128
III.7.80	Halaman Proses Departemen Paling Sering Diretur	129
III.7.81	Halaman Detail Departemen Paling Sering Diretur	129
III.7.82	Halaman Barang Sering Ditransfer Masuk	130
III.7.83	Halaman Proses Barang Sering Ditransfer Masuk	130
III.7.84	Halaman Detail Barang Paling Sering Ditransfer Masuk	131
III.7.85	Halaman Departemen Paling Sering Ditransfer Masuk	131
III.7.86	Halaman Proses Departemen Paling Sering Ditransfer Masuk	132
III.7.87	Halaman Detail Departemen Paling Sering Ditransfer Masuk	132
III.7.88	Halaman Barang Paling Sering Ditransfer Keluar	133
III.7.89	Halaman Proses Barang Paling Sering Ditransfer Keluar	133
III.7.90	Halaman Detail Barang Paling Sering Ditransfer Keluar	134
III.7.91	Halaman Departemen Paling Sering Ditransfer Keluar	134
III.7.92	Halaman Proses Departemen Paling Sering Ditransfer Keluar	135
III.7.93	Halaman Detail Departemen Paling Sering Ditransfer Keluar	135
III.7.94	Halaman Barang Terjual Paling Banyak.....	136
III.7.95	Halaman Proses Barang Terjual Paling Banyak.....	136
III.7.96	Halaman Detail Barang Terjual Paling Banyak.....	137
III.7.97	Halaman Barang Terjual Paling Mahal	137
III.7.98	Halaman Proses Barang Terjual Paling Mahal	138
III.7.99	Halaman Detail Barang Terjual Paling Mahal	138
III.7.100	Halaman Sku Berdasarkan Nama Barang Sering Hilang ...	139
III.7.101	Halaman Proses Sku Berdasarkan Nama Barang Sering Hilang	139
III.7.102	Halaman Detail Sku Berdasarkan Nama Barang Sering Hilang	140
III.7.103	Halaman Sku Berdasarkan Departemen Sering Hilang.....	140
III.7.104	Halaman Proses Sku Berdasarkan Departemen Sering Hilang	141
III.7.105	Halaman Detail Sku Berdasarkan Departemen Sering Hilang	141
III.7.106	Halaman Departemen Terjual Paling Banyak.....	142
III.7.107	Halaman Proses Departemen Terjual Paling Banyak.....	142
III.7.108	Halaman Detail Departemen Terjual Paling Banyak.....	143
III.7.109	Halaman Departemen Terjual Paling Mahal	143
III.7.110	Halaman Proses Departemen Terjual Paling Mahal	144
III.7.111	Halaman Detail Departemen Terjual Paling Mahal	144
III.7.112	Halaman Average Sales Bulanan Per Hari.....	145
III.7.113	Halaman Proses Average Sales Bulanan Per Hari.....	145
III.7.114	Halaman Average Sales Bulanan Per Minggu.....	146
III.7.115	Halaman Proses Average Sales Bulanan Per Minggu	146
III.7.116	Halaman Average Sales Tahunan Per Hari.....	147
III.7.117	Halaman Proses Average Sales Tahunan Per Hari.....	147
III.7.118	Halaman Average Sales Tahunan Per Minggu.....	148
III.7.119	Halaman Proses Average Sales Tahunan Per Minggu	148
III.7.120	Halaman Average Sales Tahunan Per Bulan	149
III.7.121	Halaman Proses Average Sales Tahunan Per Bulan	149
III.7.122	Halaman Laporan Stok Opname	150
III.7.123	Halaman Detail Stok Opname	150

Pada halaman ini user dapat melihat laporan hasil stok opname yang dipilih pada halaman sebelumnya . Disini user mendapat informasi perbandingan lengkap tentang stok yang ada di lapangan dan stok yang ada di database.

BAB IV HASIL TERCAPAI	151
IV.1 Halaman Administrator Dan Staff	151
IV.1.1 Tampilan Login (Administrator dan Staff)	151
IV.1.2 Tampilan Halaman Utama (Administrator)	151
IV.1.3 Tampilan Halaman Utama (Staff)	152
IV.1.4 Tampilan Cek Barcode	153
IV.1.5 Tampilan Halaman Stock Check (Administrator dan Staff) ..	154
IV.1.6 Tampilan Halaman Price Check	155
IV.1.7 Tampilan Halaman Manage Stok (Administrator dan Staff) .	156
IV.1.8 Tampilan Halaman Manage Sales (Administrator dan Staff)	157
IV.1.9 Tampilan Halaman Ubah Sales (Administrator dan Staff)	158
IV.1.10 Tampilan Halaman Tambah Sales Pajangan (Administrator dan Staff).....	159
IV.1.11 Tampilan Halaman Lihat Sales (Administrator dan Staff).....	160
IV.1.12 Tampilan Halaman Manage Order (Administrator dan Staff)	161
IV.1.13 Tampilan Halaman Ubah Order (Administrator dan Staff)....	162
IV.1.14 Tampilan Halaman Lihat Order (Administrator dan Staff)	163
IV.1.15 Tampilan Halaman Manage Receive (Administrator dan Staff)164	
IV.1.16 Tampilan Halaman Ubah Receive (Administrator dan Staff) 165	
IV.1.17 Tampilan Halaman Ubah Receive Order (Administrator dan Staff) 166	
IV.1.18 Tampilan Halaman Lihat Receive (Administrator dan Staff). 167	
IV.1.19 Tampilan Halaman Manage Retur (Administrator dan Staff) 168	
IV.1.20 Tampilan Halaman Ubah Retur (Administrator dan Staff) 169	
IV.1.21 Tampilan Halaman Lihat Retur (Administrator dan Staff).... 170	
IV.1.22 Tampilan Halaman Manage Broken (Administrator dan Staff)171	
IV.1.23 Tampilan Halaman Ubah Broken (Administrator dan Staff) . 172	
IV.1.24 Tampilan Halaman Lihat Broken (Administrator dan Staff) .. 173	
IV.1.25 Tampilan Halaman Manage Transfer (Administrator dan Staff)174	
IV.1.26 Tampilan Halaman Ubah Transfer (Administrator dan Staff) 175	
IV.1.27 Tampilan Halaman Pilih Lihat Transfer (Administrator dan Staff) 176	
IV.1.28 Tampilan Halaman Lihat Transfer Masuk (Administrator dan Staff) 177	
IV.1.29 Tampilan Halaman Lihat Transfer Keluar (Administrator dan Staff) 178	
IV.1.30 Tampilan Halaman Facing (Administrator dan Staff)..... 179	
IV.1.31 Tampilan Halaman Tambah Pajangan (Administrator dan Staff)180	
IV.1.32 Tampilan Halaman Manage SKU (Administrator dan Staff) . 181	
IV.1.33 Tampilan Halaman Ubah Print (Administrator dan Staff) 182	
IV.1.34 Tampilan Halaman Lihat Print (Administrator dan Staff) 183	
IV.1.35 Tampilan Halaman Manage Average Sales (Administrator dan Staff) 184	
IV.1.36 Tampilan Halaman Manage Average Sales Bulanan (Administrator dan Staff)..... 185	
IV.1.37 Tampilan Halaman Waktu Average Sales Bulanan (Administrator dan Staff)..... 186	
IV.1.38 Tampilan Halaman Laporan Average Sales Bulanan Per-Hari (Administrator dan Staff)..... 187	
IV.1.39 Tampilan Halaman Laporan Average Sales Bulanan Per-Minggu (Administrator dan Staff)..... 188	
IV.1.40 Tampilan Halaman Manage Average Sales Tahunan (Administrator dan Staff)..... 189	

IV.1.41 Tampilan Halaman Waktu Average Sales Tahunan (Administrator dan Staff).....	190
IV.1.42 Tampilan Halaman Laporan Average Sales Tahunan Per-Hari (Administrator dan Staff).....	191
IV.1.43 Tampilan Halaman Laporan Average Sales Tahunan Per-Minggu (Administrator dan Staff).....	192
IV.1.44 Tampilan Halaman Laporan Average Sales Tahunan Per-Bulan (Administrator dan Staff)	193
IV.1.45 Tampilan Halaman Perencanaan Stok (Administrator)	194
IV.1.46 Tampilan Halaman Saran (Staff)	195
IV.1.47 Tampilan Halaman Manage Laporan 1 (Administrator dan Staff) 196	
IV.1.48 Tampilan Halaman Manage Laporan 2 (Administrator dan Staff) 197	
IV.1.49 Tampilan Waktu Laporan (Administrator dan Staff)	198
IV.1.50 Tampilan Laporan Barang Paling Sering Rusak (Administrator dan Staff).....	199
IV.1.51 Tampilan Detail Laporan Barang Paling Sering Rusak (Administrator dan Staff).....	200
IV.1.52 Tampilan Laporan Departemen Paling Sering Rusak (Administrator dan Staff).....	201
IV.1.53 Tampilan Detail Laporan Departemen Paling Sering Rusak (Administrator dan Staff).....	202
IV.1.54 Tampilan Laporan Barang Paling Sering Retur (Administrator dan Staff).....	203
IV.1.55 Tampilan Detail Laporan Barang Paling Sering Retur (Administrator dan Staff).....	204
IV.1.56 Tampilan Laporan Departemen Paling Sering Retur (Administrator dan Staff).....	205
IV.1.57 Tampilan Detail Laporan Departemen Paling Sering Retur (Administrator dan Staff).....	206
IV.1.58 Tampilan Laporan Barang Paling Sering Di Transfer Masuk (Administrator dan Staff).....	207
IV.1.59 Tampilan Detail Laporan Barang Paling Sering Di transfer masuk (Administrator dan Staff)	208
IV.1.60 Tampilan Laporan Barang Paling Sering Di transfer keluar (Administrator dan Staff).....	209
IV.1.61 Tampilan Detail Laporan Barang Paling Sering Di transfer keluar (Administrator dan Staff).....	210
IV.1.62 Tampilan Laporan Departemen Paling Sering Di transfer masuk (Administrator dan Staff)	211
IV.1.63 Tampilan Detail Laporan Departemen Paling Sering Di transfer masuk (Administrator dan Staff)	212
IV.1.64 Tampilan Laporan Departemen Paling Sering Di transfer keluar (Administrator dan Staff).....	213
IV.1.65 Tampilan Detail Laporan Departemen Paling Sering Di transfer keluar (Administrator dan Staff)	214
IV.1.66 Tampilan Laporan Barang Terjual Paling Banyak (Administrator dan Staff).....	215
IV.1.67 Tampilan Detail Laporan Barang Terjual Paling Banyak (Administrator dan Staff).....	216
IV.1.68 Tampilan Laporan Barang Terjual Paling Mahal (Administrator dan Staff)	217

IV.1.69 Tampilan Detail Laporan Barang Terjual Paling Mahal (Administrator dan Staff).....	218
IV.1.70 Tampilan Laporan Sku Barang Paling Sering Hilang (Administrator dan Staff).....	219
IV.1.71 Tampilan Detail Laporan Sku Barang Paling Sering Hilang (Administrator dan Staff).....	220
IV.1.72 Tampilan Laporan Sku Departemen Paling Sering Hilang(Administrator dan Staff)	221
IV.1.73 Tampilan Detail Laporan Sku Departemen Paling Sering Hilang (Administrator dan Staff).....	222
IV.1.74 Tampilan Laporan Departemen Terjual Paling Banyak (Administrator dan Staff).....	223
IV.1.75 Tampilan Detail Laporan Departemen Terjual Paling Banyak (Administrator dan Staff).....	224
IV.1.76 Tampilan Laporan Departemen Terjual Paling Mahal (Administrator dan Staff).....	225
IV.1.77 Tampilan Detail Laporan Departemen Terjual Paling Mahal (Administrator dan Staff).....	226
IV.1.78 Tampilan Waktu Laporan Average Sales Bulanan (Administrator dan Staff).....	227
IV.1.79 Tampilan Laporan Average Sales Bulanan Per-Hari (Administrator dan Staff).....	228
IV.1.80 Tampilan Laporan Average Sales Bulanan Per-Minggu (Administrator dan Staff).....	229
IV.1.81 Tampilan Waktu Laporan Average Sales Tahunan (Administrator dan Staff).....	230
IV.1.82 Tampilan Laporan Average Sales Tahunan Per-Hari (Administrator dan Staff).....	231
IV.1.83 Tampilan Laporan Average Sales TahunanPer-Minggu (Administrator dan Staff).....	232
IV.1.84 Tampilan Laporan Average Sales TahunanPer-Bulan (Administrator dan Staff).....	233
IV.1.85 Tampilan Laporan Stok Opname (Administrator dan Staff) ..	234
IV.1.86 Tampilan Detail Laporan Stok Opname (Administrator dan Staff)	235
BAB V EVALUASI	237
V.1 Form Login (Administrator dan Staff)	237
V.2 Form Menu Masukan Barcode (Administrator dan Staff)	237
V.3 Form Tambah Sales (Administrator dan Staff)	238
V.4 Form Tambah Sales Pajangan (Administrator dan Staff)	239
V.5 Form Tambah Order (Administrator dan Staff)	241
V.6 Form Tambah Receive (Administrator dan Staff)	242
V.7 Form Tambah Retur (Administrator dan Staff)	243
V.8 Form Tambah Broken (Administrator dan Staff)	245
V.9 Form Tambah Cabang (Administrator dan Staff)	246
V.10 Form Tambah SKU Print (Administrator dan Staff).....	248
V.11 Form Stok Opname (Administrator dan Staff).....	249
BAB VI PENUTUP	251
VI.1 Kesimpulan.....	251
VI.2 Saran-saran.....	251
DAFTAR PUSTAKA	xii

DAFTAR GAMBAR

Gambar 1 Relasi One to One	14
Gambar 2 Relasi One to Many	15
Gambar 3 Relasi Many to One	15
Gambar 4 Relasi Many to Many	15
Gambar 5 Skema HTML	21
Gambar 6 Skema PHP	21
Gambar 7 Flow Chart Operational Store	28
Gambar 8 Entity Relational Diagram Operational Store.....	30
Gambar 9 Relasi Tabel Operational Store	40
Gambar 10 Context Diagram	40
Gambar 11 DFD Level 1	42
Gambar 12 DFD Level 2 Proses 1	43
Gambar 13 DFD Level 2 Proses 2	43
Gambar 14 DFD Level 2 Proses 4	44
Gambar 15 DFD Level 2 Proses 6	45
Gambar 16 DFD Level 3 Proses 4.2	45
Gambar 17 DFD Level 3 Proses 4.3	46
Gambar 18 DFD Level 3 Proses 4.4	46
Gambar 19 DFD Level 3 Proses 4.5	47
Gambar 20 DFD Level 3 Proses 4.6	47
Gambar 21 DFD Level 3 Proses 4.7	48
Gambar 22 DFD Level 3 Proses 4.8	48
Gambar 23 DFD Level 3 Proses 4.9	49
Gambar 24 DFD Level 4 Proses 4.9.5	50
Gambar 25 DFD Level 5 Proses 4.9.5.1	51
Gambar 26 DFD Level 5 Proses 4.9.5.2	52
Gambar 27 Halaman Login	90
Gambar 28 Halaman Menu Utama Administrator	91
Gambar 29 Halaman Menu Utama Staff	91
Gambar 30 Halaman Stok Check.....	92
Gambar 31 Halaman Proses Stok Check.....	92
Gambar 32 Halaman Price Check.....	93
Gambar 33 Halaman Proses Price Check.....	93
Gambar 34 Halaman Manage Stok	94
Gambar 35 Halaman Sales	94
Gambar 36 Halaman Menu Ubah Sales.....	95
Gambar 37 Halaman Proses Ubah Sales	95
Gambar 38 Halaman Menu Lihat Sales	96
Gambar 39 Halaman Proses Lihat Sales	96
Gambar 40 Halaman Order	97
Gambar 41 Halaman Menu Ubah Order	97
Gambar 42 Halaman Proses Ubah Order	97
Gambar 43 Halaman Menu Lihat Order	98
Gambar 44 Halaman Proses Lihat Order	98
Gambar 45 Halaman Receive	99
Gambar 46 Halaman Menu Ubah Receive.....	99
Gambar 47 Halaman Proses Ubah Receive	100
Gambar 48 Halaman Tambah Sesuai Order.....	100

Gambar 49 Halaman Menu Lihat Receive	101
Gambar 50 Halaman Proses Lihat Receive	101
Gambar 51 Halaman Retur	102
Gambar 52 Halaman Menu Ubah Retur.....	102
Gambar 53 Halaman Proses Ubah Retur.....	103
Gambar 54 Halaman Menu Lihat Retur.....	103
Gambar 55 Halaman Proses Lihat Retur	104
Gambar 56 Halaman Broken.....	104
Gambar 57 Halaman Menu Ubah Broken	105
Gambar 58 Halaman Proses Ubah Broken.....	105
Gambar 59 Halaman Menu Lihat Broken	106
Gambar 60 Halaman Proses Lihat Broken.....	106
Gambar 61 Halaman Transfer.....	107
Gambar 62 Halaman Menu Ubah Transfer	107
Gambar 63 Halaman Proses Rubah Transfer	108
Gambar 64 Halaman Menu Lihat Transfer.....	108
Gambar 65 Halaman Menu Pilih Lihat Transfer	109
Gambar 66 Halaman Proses Lihat Transfer Masuk	109
Gambar 67 Halaman Proses Lihat Transfer Keluar	110
Gambar 68 Halaman Facing	110
Gambar 69 Halaman Proses Facing	111
Gambar 70 Halaman SKU.....	111
Gambar 71 Halaman Lihat Data SKU	112
Gambar 72 Halaman Proses SKU.....	112
Gambar 73 Halaman Average Sales.....	113
Gambar 74 Halaman Menu Average Sales Bulanan.....	113
Gambar 75 Halaman Proses Average Sales Bulanan	113
Gambar 76 Halaman Average Sales Bulanan Berdasarkan Hari.....	114
Gambar 77 Halaman Proses Proses Average Sales Bulanan Berdasarkan Hari	114
Gambar 78 Halaman Average Sales Bulanan Berdasarkan Minggu	115
Gambar 79 Halaman Halaman Proses Average Sales Bulanan Berdasarkan Minggu.....	115
Gambar 80 Halaman Menu Average Sales Tahunan.....	116
Gambar 81 Halaman Proses Average Sales Tahunan	116
Gambar 82 Halaman Average Sales Tahunan Berdasarkan Hari.....	117
Gambar 83 Halaman Proses Average Sales Tahunan Berdasarkan Hari	117
Gambar 84 Halaman Average Sales Tahunan Berdasarkan Minggu	118
Gambar 85 Halaman Proses Average Sales Tahunan Berdasarkan Minggu ...	118
Gambar 86 Halaman Average Sales Tahunan berdasarkan bulan	119
Gambar 87 Halaman Proses Average Sales Tahunan Berdasarkan Bulan.....	119
Gambar 88 Halaman Perencanaan Stok.....	120
Gambar 89 Halman Proses Perencanaan Stok	120
Gambar 90 Halaman Utama Stok Opname.....	120
Gambar 91 Halaman Stok Opname	121
Gambar 92 Halaman Proses Stopk Opname	121
Gambar 93 Halaman Simpan Proses Stok Opname.....	122
Gambar 94 Halaman Saran	122
Gambar 95 Halaman Report	123
Gambar 96 Halaman Report Barang Paling Sering Rusak	124
Gambar 97 Halaman Proses Barang Paling Sering Rusak.....	124
Gambar 98 Halaman Lihat Detail Barang Paling Sering Rusak	125
Gambar 99 Halaman Departemen Paling Sering Rusak.....	125

Gambar 100 Halaman Proses Departemen Paling Sering Rusak.....	126
Gambar 101 Halaman Detail Departemen Paling Sering Rusak.....	126
Gambar 102 Halaman Barang Paling Sering Diretur	127
Gambar 103 Halaman Proses Barang Paling Sering Diretur	127
Gambar 104 Halaman Detail Barang Paling Sering Diretur	128
Gambar 105 Halaman Departemen Paling Sering Diretur	128
Gambar 106 Halaman Proses Departemen Paling Sering Diretur	129
Gambar 107 Halaman Detail Departemen Paling Sering Diretur	129
Gambar 108 Halaman Barang Paling Sering Ditransfre Masuk.....	130
Gambar 109 Halaman Proses Barang Sering Ditransfer Masuk.....	130
Gambar 110 Halaman Detail barang Paling Sering Ditransfer Masuk	131
Gambar 111 Halaman Departemen Paling Sering Ditransfer Masuk.....	131
Gambar 112 Halaman Departemen Paling Sering Ditransfer Masuk.....	132
Gambar 113 Halaman Detail Departemen Paling Sering Ditransfer Masuk.....	132
Gambar 114 Halaman Barang Paling Sering Ditransfer Keluar	133
Gambar 115 Halaman Proses Barang Paling Sering Ditransfer Keluar	133
Gambar 116 Halaman Detail Barang Paling Sering Ditransfer Keluar	134
Gambar 117 Halaman Departemen Paling Sering Ditransfer Keluar	134
Gambar 118 Halaman Proses Departemen Paling Sering Ditransfer Keluar....	135
Gambar 119 Halaman Detail Departemen Paling Sering Ditransfer Keluar.....	135
Gambar 120 Halaman Barang Terjual Paling Banyak.....	136
Gambar 121 Halaman Proses Barang Terjual Paling Banyak	136
Gambar 122 Halaman Detail Barang Terjual Paling Banyak	137
Gambar 123 Halaman Barang Terjual Paling Mahal.....	137
Gambar 124 Halaman Proses Barang Terjual Paling Mahal.....	138
Gambar 125 Halaman Detail Barang Terjual Paling Mahal.....	138
Gambar 126 Halaman Sku Berdasarkan Nama Barang Sering Hilang.....	139
Gambar 127 Halaman Proses Sku Berdasarkan Nama Barang Sering Hilang.	139
Gambar 128 Halaman Detail Sku Berdasarkan Nama Barang Sering Hilang...	140
Gambar 129 Halaman Sku Berdasarkan Departemen Sering Hilang\.....	140
Gambar 130 Halaman Proses Sku Berdasarkan Departemen Sering Hilang ...	141
Gambar 131 Halaman Detail Sku Berdasarkan Departemen Sering Hilang	141
Gambar 132 Halaman Departemen Terjual Paling Banyak	142
Gambar 133 Halaman Proses Departemen Terjual Paling Banyak	142
Gambar 134 Halaman Detail Departemen Terjual Paling Banyak	143
Gambar 135 Halaman Departemen Terjual Paling Mahal.....	143
Gambar 136 Halaman Proses Departemen Terjual Paling Mahal	144
Gambar 137 Halaman Detail Departemen Terjual Paling Mahal	144
Gambar 138 Halaman Average Sales Bulanan Per Hari	145
Gambar 139 Halaman Proses Average Sales Bulanan Per Hari	145
Gambar 140 Halaman Average Sales Bulanan Per Minggu	146
Gambar 141 Halaman Proses Average Sales Bulanan Per Minggu	146
Gambar 142 Halaman Average Sales Tahunan Per Hari	147
Gambar 143 Halaman Proses Average Sales Tahunan Per Hari	147
Gambar 144 Halaman Average Sales Tahunan Per Minggu	148
Gambar 145 Halaman Proses Average Sales Tahunan Per Minggu	148
Gambar 146 Halaman Average Sales Tahunan Per Bulan.....	149
Gambar 147 Halaman Proses Average Sales Tahunan Per Bulan.....	149
Gambar 148 Halaman Laporan Stok Opname	150
Gambar 149 Halaman Detail Stok Opname	150
Gambar 150 Tampilan Login Administrator dan Staff	151
Gambar 151 Tampilan Halaman Utama Administrator.....	152
Gambar 152 Tampilan Halaman Utama Staff	153

Gambar 153 Tampilan Cek Barcode	154
Gambar 154 Tampilan Halaman Stok Check	155
Gambar 155 Tampilan Halaman Price Check	156
Gambar 156 Tampilan Halaman Manage Stok	157
Gambar 157 Tampilan Halaman Manage Sales	158
Gambar 158 Tampilan Halaman Ubah Sales.....	159
Gambar 159 Halaman Tambah Sales Pajangan.....	160
Gambar 160 Tampilan Halaman Lihat Sales.....	161
Gambar 161 Tampilan Halaman Manage Order	162
Gambar 162 Tampilan Halaman Ubah Order.....	163
Gambar 163 Tampilan Halaman Lihat Order	164
Gambar 164 Tampilan Halaman Manage Receive	165
Gambar 165 Tampilan Halaman Ubah Receive.....	166
Gambar 166 Tampilan Halaman Ubah Receive Sesuai Order.....	167
Gambar 167 Tampilan Halaman Lihat Receive.....	168
Gambar 168 Tampilan Halaman Manage Retur.....	169
Gambar 169 Tampilan Halaman Ubah Retur	170
Gambar 170 Tampilan Halaman Lihat Retur.....	171
Gambar 171 Tampilan Halaman Manage Broken	172
Gambar 172 Tampilan Halaman Ubah Broken	173
Gambar 173 Tampilan Halaman Lihat Broken	174
Gambar 174 Tampilan Halaman Manage Transfer	175
Gambar 175 Tampilan Halaman Ubah Transfer	176
Gambar 176 Tampilan Halaman Pilih Lihat Transfer	177
Gambar 177 Tampilan Halaman Lihat Transfer Masuk.....	178
Gambar 178 Tampilan Halaman Lihat Transfer Keluar.....	179
Gambar 179 Tampilan Halaman Facing.....	180
Gambar 180 Tampilan Halaman Manage SKU	182
Gambar 181 Tampilan Halaman Ubah Print	183
Gambar 182 Tampilan Halaman Lihat Print	184
Gambar 183 Tampilan Halaman Manage Average Sales	185
Gambar 184 Tampilan Halaman Manage Average Sales Bulanan.....	186
Gambar 185 Tampilan Halaman Waktu Average Sales Bulanan.....	187
Gambar 186 Tampilan Halaman Laporan Average Sales Bulanan Per Hari	188
Gambar 187 Tampilan Halaman Average Sales Bulanan Per Minggu	189
Gambar 188 Tampilan Halaman Manage Average Sales Tahunan.....	190
Gambar 189 Tampilan Halaman Waktu Average Sales Tahunan.....	191
Gambar 190 Tampilan Halaman Average Sales Tahunan Per Hari.....	192
Gambar 191 Tampilan Halaman Average Sales Tahunan Per Minggu	193
Gambar 192 Tampilan Halaman Average Sales Tahunan Per Bulan	194
Gambar 193 Tampilan Halaman Perencanaan Stok.....	195
Gambar 194 Tampilan Halaman Saran.....	196
Gambar 195 Tampilan Halaman Manage Laporan 1	197
Gambar 196 Tampilan Halaman Manage Laporan 2	198
Gambar 197 Tampilan Halaman Waktu Laporan	199
Gambar 198 Tampilan Laporan Barang Paling Sering Rusak	200
Gambar 199 Tampilan Detail Laporan Barang Paling Sering Rusak	201
Gambar 200 Tampilan Laporan Departemen Paling Sering Rusak	202
Gambar 201 Tampilan Detail Laporan Departemen Paling Sering Rusak	203
Gambar 202 Tampilan Laporan Barang Paling Sering Retur.....	204
Gambar 203 Tampilan Detail Laporan Barang Paling Sering Retur.....	205
Gambar 204 Tampilan Laporan Departemen Paling Sering Retur.....	206
Gambar 205 Tampilan Detail Laporan Departemen Paling Sering Retur	207

Gambar 206 Tampilan Laporan Barang Paling Sering Di Transfer Masuk	208
Gambar 207 Tampilan Detail Laporan Barang Paling Sering Di Transfer Masuk	209
Gambar 208 Tampilan Laporan Barang Paling Sering Di Transfer Keluar	210
Gambar 209 Tampilan Detail Laporan Barang Paling Sering Di Transfer Keluar	211
Gambar 210 Tampilan Laporan Departemen Paling Sering Di Transfer Masuk.....	212
Gambar 211 Tampilan Detail Laporan Departemen Paling Sering Di Transfer Masuk.....	213
Gambar 212 Tampilan Laporan Departemen Paling Sering Di Transfer Keluar.....	214
Gambar 213 Tampilan Detail Laporan Departmen Paling Sering Di Transfer Keluar	215
Gambar 214 Tampilan Laporan Barang Terjual Paling Banyak	216
Gambar 215 Tampilan Detail Laporan Barang Terjual Paling Banyak.....	217
Gambar 216 Tampilan Laporan Barang Terjual Paling Mahal	218
Gambar 217 Tampilan Detail Laporan Barang Terjual Paling Mahal	219
Gambar 218 Tampilan Laporan Sku Barang Paling Sering Hilang	220
Gambar 219 Tampilan Detail Laporan Sku Barang Paling Sering Hilang	221
Gambar 220 Tampilan Laporan Sku Departemen Paling Sering Hilang	222
Gambar 221 Tampilan Detail Laporan Sku Departemen Paling Sering Hilang	223
Gambar 222 Tampilan Laporan Departemen Terjual Paling Banyak.....	224
Gambar 223 Tampilan Detail Laporan Departemen Terjual Paling Banyak.....	225
Gambar 224 Tampilan Laporan Departemen Terjual Paling Mahal	226
Gambar 225 Tampilan Detail Laporan Departemen Terjual Paling Mahal.....	227
Gambar 226 Tampilan Waktu Laporan Average Sales Bulanan	228
Gambar 227 Tampilan Laporan Average Sales Bulanan Per Hari.....	229
Gambar 228 Tampilan Laporan Average Sales Bulanan Per Minggu.....	230
Gambar 229 Tampilan Waktu Laporan Average Sales Tahunan	231
Gambar 230 Tampilan Laporan Average Sales Tahunan Per Hari.....	232
Gambar 231 Tampilan Laporan Average Sales Tahunan Per Minggu.....	233
Gambar 232 Tampilan Laporan Average Sales Tahunan Per Bulan	234
Gambar 233 Tampilan Laporan Stok Opname.....	235
Gambar 234 Tampilan Detail Laporan Stok Opname	236

DAFTAR TABEL

Tabel I Metodologi Entitas Relasional Diagram.....	12
Tabel II Simbol ERD	14
Tabel III Simbol DFD	15
Tabel IV Simbol-simbol Block Chart.....	16
Tabel V Simbol-Simbol Kamus Data	18
Tabel VI Contoh Kamus Data.....	18
Tabel VII Tabel t_barang.....	31
Tabel VIII Tabel t_broken	32
Tabel IX Tabel t_bug_report.....	33
Tabel X Tabel t_cabang	33
Tabel XI Tabel t_cetak	34
Tabel XII Tabel t_departemen	34
Tabel XIII Tabel t_order.....	35
Tabel XIV Tabel t_receive	35
Tabel XV Tabel t_retur	36
Tabel XVI Tabel t_sales	36
Tabel XVII Tabel t_stok_detail	37
Tabel XVIII Tabel t_stok_opname	37
Tabel XIX Tabel t_transfer	38
Tabel XX Tabel t_user.....	39
Tabel XXI Kamus Data t_user.....	52
Tabel XXII Kamus Data t_barang.....	53
Tabel XXIII Kamus Data t_departemen.....	53
Tabel XXIV Kamus Data t_cabang.....	54
Tabel XXV Kamus Data t_sales	54
Tabel XXVI Kamus Data t_stok_op	55
Tabel XXVII Kamus Data t_stok_detail	55
Tabel XXVIII Kamus Data t_receive	56
Tabel XXIX Kamus Data t_order	56
Tabel XXX Kamus Data t_retur	56
Tabel XXXI Kamus Data t_broken.....	57
Tabel XXXII Kamus Data t_cetak.....	57
Tabel XXXIII Kamus Data t_transfer	58
Tabel XXXIV Kamus Data t_bug_report.....	58
Tabel XXXV PSPEC Input Login.....	59
Tabel XXXVI PSPEC Validasi Login	59
Tabel XXXVII PSPEC Price Check	60
Tabel XXXVIII PSPEC Facing	61
Tabel XXXIX PSPEC Lihat Peramalan Data Stok.....	61
Tabel XL PSPEC Stok Check	62
Tabel XLI PSPEC Add Data Sales	63
Tabel XLII PSPEC View Data Sales.....	63
Tabel XLIII PSPEC Add Data Order.....	64
Tabel XLIV PSPEC View Data Order	64
Tabel XLV PSPEC Add Data Receive	65
Tabel XLVI PSPEC Add Data Receive Sesuai Order	66
Tabel XLVII View Data Receive	66
Tabel XLVIII PSPEC Add Data Retur.....	67

Tabel XLIX PSPEC View Data Retur	68
Tabel L PSPEC Add Data Broken	68
Tabel LI PSPEC View Data Broken	69
Tabel LII PSPEC Add Data Transfer	70
Tabel LIII PSPEC View Data Transfer Masuk	70
Tabel LIV PSPEC View Data Transfer Keluar	71
Tabel LV PSPEC Stok Opname	72
Tabel LVI PSPEC Lihat Data Detail Stok Opname	73
Tabel LVII PSPEC Lihat Laporan Rusak Per barang	73
Tabel LVIII PSPEC Lihat Laporan Rusak Per Departemen	74
Tabel LIX PSPEC Lihat Laporan Retur Per Barang	74
Tabel LX PSPEC Lihat Laporan Retur Per Departemen	75
Tabel LXI PSPEC Lihat Laporan Transfer Masuk Per Barang	76
Tabel LXII PSPEC Lihat Laporan Transfer keluar Per Barang	76
Tabel LXIII PSPEC Lihat Laporan Transfer Masuk Per Departemen	77
Tabel LXIV PSPEC Lihat Laporan Transfer keluar Per Departemen	77
Tabel LXV PSPEC Lihat Laporan Stok Sales Per Barang	78
Tabel LXVI PSPEC Lihat Laporan Price Sales Per Barang	79
Tabel LXVII PSPEC Lihat Laporan Stok Sales Per Departemen	79
Tabel LXVIII PSPEC Lihat Laporan Price Sales Per Departemen	80
Tabel LXIX PSPEC Lihat Laporan Average Sales Barang Bulanan Perhari	80
Tabel LXX PSPEC Lihat Laporan Average Sales Barang Bulanan Perminggu ..	81
Tabel LXXI PSPEC Lihat Laporan Average Sales Departemen Bulanan Perhari	82
Tabel LXXII PSPEC Lihat Laporan Average Sales Departemen Bulanan Perminggu	82
Tabel LXXIII PSPEC Lihat Laporan Average Sales Barang Tahunan Perhari	83
Tabel LXXIV PSPEC Lihat Laporan Average Sales Barang Tahunan Perminggu	83
Tabel LXXV PSPEC Lihat Laporan Average Sales Barang Tahunan Perbulan ..	84
Tabel LXXVI PSPEC Lihat Laporan Average Sales Departemen Tahunan Perhari	85
Tabel LXXVII PSPEC Lihat Laporan Average Sales Departemen Tahunan Perminggu	85
Tabel LXXVIII PSPEC Lihat Laporan Average Sales Departemen Tahunan Perbulan	86
Tabel LXXIX PSPEC Lihat Laporan SKU per Barang	87
Tabel LXXX PSPEC Lihat Laporan SKU per Departemen	87
Tabel LXXXI PSPEC Pengolahan Data Saran	88
Tabel LXXXII PSPEC Insert Print SKU	88
Tabel LXXXIII PSPEC Hapus Data SKU	89
Tabel LXXXIV PSPEC View Data SKU	89
Tabel LXXXV Tabel Test Login	237
Tabel LXXXVI Tabel Masukan Barcode	237
Tabel LXXXVII Tabel Tambah Sales	238
Tabel LXXXVIII Tabel Tambah Sales Pajangan	239
Tabel LXXXIX Tabel Tambah Order	241
Tabel XC Tabel Tambah Receive	242
Tabel XCI Tabel Tambah Retur	243
Tabel XCII Tabel Tambah Broken	245
Tabel XCIII Tabel Tambah cabang	246
Tabel XCIV Tabel SKU Print	248
Tabel XCV Tabel Stok Opname	249

DAFTAR LAMPIRAN

Lampiran Riwayat HidupA-1