

ABSTRACT

The development of information technology has had an impact in people's lives. Since the discovery of computers in 1955, the civilization of the world has entered the information age. Computer information technology as the propulsion motor has changed everything. Computer-based information processing has become a popular person, and until recently had a lot of software people can use as data processing devices to generate information. Computer-based information processing is very much utilized in various fields. Utilization of technology in the business world, used also by an electronics store that is one of the Arwiga Hotel. Has produced an application that can reservation, check in, room service, payment, order restaurant, payment restaurant, financial reports in Arwiga Hotel data processing.

Keywords: Arwiga Hotel, reservation, check in, room service, payment, order restaurant, payment restaurant, hotel selling report, hotel purchasing report, hotel report profit, restaurant selling report, restaurant purchasing report, restaurant report profit

ABSTRAK

Perkembangan teknologi informasi telah membawa dampak dalam kehidupan masyarakat. Sejak diketemukannya komputer pada tahun 1955, peradaban dunia telah memasuki era informasi. Teknologi informasi dengan komputer sebagai motor penggerak telah mengubah segalanya. Pemrosesan informasi berbasis komputer mulai dikenal orang dan hingga saat ini sudah banyak *software* yang dapat digunakan orang sebagai alat pengolah data untuk menghasilkan informasi. Pemrosesan informasi berbasis komputer sangat banyak dimanfaatkan dalam berbagai bidang. Pemanfaatan teknologi dalam dunia bisnis, dimanfaatkan pula oleh salah satu hotel, yaitu Hotel Arwiga. Telah dihasilkan sebuah aplikasi yang dapat menangani *reservation*, *check in*, *room service*, *payment*, *order restaurant*, *payment restaurant* dan laporan keuangan untuk membantu Hotel Arwiga dalam mengolah data.

Kata Kunci: Hotel Arwiga, *reservation*, *check in*, *room service*, *payment*, *order restaurant*, *payment restaurant*, Laporan pendapatan hotel, laporan pembelian hotel, laporan laba rugi hotel, laporan penjualan restoran, laporan pembelian restoran, laporan laba rugi hotel.

DAFTAR ISI

LEMBAR PENGESAHAN	i
PERNYATAAN PUBLIKASI LAPORAN PENELITIAN	ii
PERNYATAAN ORISINALITAS LAPORAN PENELITIAN	iii
PRAKATA	iv
ABSTRACT	vi
ABSTRAK	vii
DAFTAR ISI	viii
DAFTAR GAMBAR	xii
DAFTAR TABEL	xvi
BAB I PENDAHULUAN	1
1.1. Latar Belakang Masalah	1
1.2. Rumusan Masalah	2
1.3. Tujuan Pembahasan	3
1.4. Ruang Lingkup Kajian	3
1.5. Sumber Data	4
1.6. Sistematika Penyajian	4
BAB II KAJIAN TEORI	6
2.1. Sistem Informasi	6
2.1. Proses Bisnis	7
2.2. Flowchart	8
2.3. Basis Data	10
2.4. <i>Entity Relationship Diagram</i> (ERD)	10
2.6.1. Komponen Entity Relationship Diagram	11
2.6.2. Kardinalitas Relasi	12
2.6.3. Derajat (tingkat) <i>Relationship</i>	13
2.5. Microsoft SQL Server	14
2.6. <i>Data Flow Diagram</i> (DFD)	15
2.7. Kamus Data	16

2.8. <i>Process Spesification (PSPEC)</i>	18
2.9. <i>Black Box Testing</i>	18
BAB III ANALISIS DAN RANCANGAN SISTEM	21
3.1. Proses Bisnis	21
3.1.1. Analisis Proses Bisnis Hotel	21
3.1.2. Analisis Proses Bisnis Restoran.....	23
3.2. Flowchart	24
3.2.1. <i>Reservation</i>	24
3.2.2. <i>Check In</i>	25
3.2.3. <i>Check Out</i>	25
3.2.4. Penjualan Hotel	26
3.2.5. Pembelian Bahan Makanan	27
3.2.6. Penjualan Bahan Makanan	27
3.3. <i>Relational Database</i>	29
3.5. <i>Data Flow Diagram</i>	38
3.6. Kamus Data	100
3.7. PSPEC.....	132
3.8. Desain Antar Muka	197
BAB IV HASIL PENELITIAN	207
4.1. Login	207
4.2. Lupa Password	208
4.3. <i>Edit Account</i>	210
4.4. Menu Hotel Manager	212
4.5. Tampilan Utama Menu <i>User Hotel Manager - Master</i>	213
4.6. Master User	214
4.7. Master Member.....	215
4.8. Master Menu	216
4.9. Master <i>Recipe</i>	217
4.10. Master <i>Foodstuff</i>	218
4.11. Master Extra	219
4.12. Master Mini bar	220

4.13.	<i>Purchase Mini Bar</i>	221
4.14.	Laporan Pembelian	222
4.15.	Laporan Pendapatan	223
4.16.	Laporan Laba Rugi	223
4.17.	<i>View Check In</i>	224
4.18.	Menu Hotel Receptionist.....	225
4.19.	<i>Reservation</i>	226
4.20.	<i>Check In</i>	227
4.21.	<i>Cancel Transaction</i>	228
4.22.	<i>Extend Check In</i>	229
4.23.	<i>Check Out</i>	230
4.24.	<i>Room Service</i>	231
4.25.	<i>Purchase Foodstuff</i>	232
4.26.	Laporan Pembelian	233
4.27.	Laporan Pendapatan	234
4.28.	Laporan Laba Rugi	234
4.29.	Tampilan FnB Cashier – Order	235
4.30.	Tampilan FnB Cashier – Payment Hotel Invoice	236
4.31.	Tampilan FnB Cashier – Payment Resto Invoice	237
BAB V PEMBAHASAN DAN UJI COBA HASIL PENELITIAN		238
5.1.	Login	238
5.2.	Lupa <i>Password</i>	238
5.3.	Halaman Utama Menu <i>Hotel Manager</i>	239
5.4.	Tampilan Utama Menu <i>Hotel Receptionist</i>	240
5.5.	Halaman Utama Menu <i>FnB Manager</i>	241
5.6.	Tampilan Utama Menu <i>FnB Cashier</i>	242
5.7.	Halaman Menu Purchase Minibar	243
5.8.	Halaman Menu Purchase Foodstuff.....	243
5.9.	Halaman Menu <i>Reservation</i>	244
5.10.	Halaman Menu <i>Check In</i>	244
5.11.	Halaman Menu Cancel Reservation	244

5.12.	Halaman Menu Extend Check In	244
5.13.	Halaman Menu <i>Order</i>	245
5.14.	Halaman Menu <i>User</i>	245
5.15.	Halaman Menu <i>Member</i>	245
5.16.	Halaman Menu Menu	246
5.17.	Halaman Menu Foodstuff	246
5.18.	Halaman Menu Minibar.....	246
5.19.	Halaman Menu Extra	247
5.20.	Halaman Menu Room.....	247
5.21.	Halaman Laporan Penjualan Hotel	248
5.22.	Halaman Laporan Pembelian Hotel	248
5.23.	Halaman Laporan Laba Rugi Hotel	248
5.24.	Halaman Laporan Penjualan Restoran.....	248
5.25.	Halaman Laporan Pembelian Restoran.....	248
5.26.	Halaman Laporan Laba Rugi Restoran	249
5.27.	Halaman <i>Edit Account</i>	249
BAB VI SIMPULAN DAN SARAN		250
6.1.	Simpulan.....	250
6.2.	Saran	250
DAFTAR PUSTAKA.....		251
RIWAYAT HIDUP PENULIS		252

DAFTAR GAMBAR

Gambar 1 Simbol Entitas	11
Gambar 2 Simbol Relasi.....	11
Gambar 3 Simbol Atribut	12
Gambar 4 Relasi 1:1	12
Gambar 5 Relasi 1:M	13
Gambar 6 Relasi M:N	13
Gambar 7 Tingkat Satu	13
Gambar 8 Derajat Dua.....	14
Gambar 9 Derajat Tiga	14
Gambar 10 Simbol <i>External Entity</i>	15
Gambar 11 Simbol Proses	15
Gambar 12 Simbol <i>Data Store</i>	16
Gambar 13 Simbol <i>Data Flow</i>	16
Gambar 14 Flowchart <i>Reservation</i>	24
Gambar 15 Flowchart <i>Check In</i>	25
Gambar 16 Flowchart <i>Check Out</i>	25
Gambar 17 Flowchart Penjualan Hotel	26
Gambar 18 Flowchart Pembelian Bahan Makanan	27
Gambar 19 Flowchart Penjualan Bahan Makanan	27
Gambar 20 <i>Entity Relational Diagram</i>	28
Gambar 21 Context Diagram	38
Gambar 22 DFD Level 1 Proses Login, Lupa Password, dan Pengolahan Data Master	41
Gambar 23 DFD Level 1 Proses Pengolahan Transaksi Hotel	42
Gambar 24 DFD Level 1 Proses Pengolahan Transaksi Restoran.....	44
Gambar 25 DFD Level 1 Proses Pengolahan Laporan Hotel dan Pengolahan Laporan Restoran	45
Gambar 26 DFD Level 2 Proses Login	46
Gambar 27 DFD Level 2 Proses Lupa Password	46
Gambar 27 DFD Level 2 Proses Pengolahan Data Master	48
Gambar 28 DFD Level 2 Proses Pengolahan Transaksi Hotel	50
Gambar 29 DFD Level 2 Proses Pengolahan Transaksi Restoran.....	53
Gambar 30 DFD Level 2 Proses Pengolahan Laporan Hotel.....	55
Gambar 31 DFD Level 2 Proses Pengolahan Laporan Restoran	57
Gambar 32 DFD Level 3 Proses Pengolahan Data Master User.....	58
Gambar 33 DFD Level 3 Proses Pengolahan Data Master Member	59

Gambar 34 DFD Level 3 Proses Pengolahan Data Master Room.....	60
Gambar 35 DFD Level 3 Proses Pengolahan Data Master Menu	61
Gambar 36 DFD Level 3 Proses Pengolahan Data Master Recipe	62
Gambar 37 DFD Level 3 Proses Pengolahan Data Master Foodstuff.....	63
Gambar 38 DFD Level 3 Proses Pengolahan Data Master Extra	64
Gambar 39 DFD Level 3 Proses Pengolahan Data Master MiniBar	65
Gambar 40 DFD Level 3 Proses Pengolahan Transaksi Reservation Hotel.	66
Gambar 41 DFD Level 3 Proses Pengolahan Transaksi CheckIn Hotel	67
Gambar 42 DFD Level 3 Proses Pengolahan Transaksi Room Service Hotel	69
Gambar 43 DFD Level 3 Proses Pengolahan Transaksi Payment Hotel	70
Gambar 44 DFD Level 3 Proses Pengolahan Transaksi Purchase Hotel	71
Gambar 45 DFD Level 3 Proses Pengolahan Transaksi Order Restoran.....	72
Gambar 46 DFD Level 3 Proses Pengolahan Transaksi Payment	73
Gambar 47 DFD Level 3 Proses Pengolahan Transaksi Purchase Restoran	75
Gambar 48 DFD Level 4 Proses Pengolahan Data Master User Tambah User	76
Gambar 49 DFD Level 4 Proses Pengolahan Data Master User Edit User ..	77
Gambar 50 DFD Level 4 Proses Pengolahan Data Master User Hapus User	78
Gambar 51 DFD Level 4 Proses Pengolahan Data Master User Cari User .	78
Gambar 52 DFD Level 4 Proses Pengolahan Data Master Member Tambah	79
Gambar 53 DFD Level 4 Proses Pengolahan Data Master Member Ubah ..	80
Gambar 54 DFD Level 4 Proses Pengolahan Data Master Member Hapus.	80
Gambar 55 DFD Level 4 Proses Pengolahan Data Master Member Cari.....	81
Gambar 56 DFD Level 4 Proses Pengolahan Data Master Room Tambah .	82
Gambar 57 DFD Level 4 Proses Pengolahan Data Master Room Ubah	82
Gambar 58 DFD Level 4 Proses Pengolahan Data Master Room Hapus	83
Gambar 59 DFD Level 4 Proses Pengolahan Data Master Menu Tambah ..	84
Gambar 60 DFD Level 4 Proses Pengolahan Data Master Menu Ubah	85
Gambar 61 DFD Level 4 Proses Pengolahan Data Master Menu Hapus	85
Gambar 62 DFD Level 4 Proses Pengolahan Data Master Menu Cari	86
Gambar 63 DFD Level 4 Proses Pengolahan Data Master Recipe Tambah	87
Gambar 64 DFD Level 4 Proses Pengolahan Data Master Recipe Ubah.....	88
Gambar 65 DFD Level 4 Proses Pengolahan Data Master Foodstuff Tambah	89
Gambar 66 DFD Level 4 Proses Pengolahan Data Master Foodstuff Ubah.	90

Gambar 67 DFD Level 4 Proses Pengolahan Data Master Foodstuff Hapus	90
Gambar 68 DFD Level 4 Proses Pengolahan Data Master Foodstuff Cari...	91
Gambar 69 DFD Level 4 Proses Pengolahan Data Master Extra Tambah...	91
Gambar 70 DFD Level 4 Proses Pengolahan Data Master Extra Ubah.....	92
Gambar 71 DFD Level 4 Proses Pengolahan Data Master Extra Hapus.....	93
Gambar 72 DFD Level 4 Proses Pengolahan Data Master Extra Cari.....	93
Gambar 73 DFD Level 4 Proses Pengolahan Data Master MiniBar Tambah	94
Gambar 74 DFD Level 4 Proses Pengolahan Data Master MiniBar Ubah....	94
Gambar 75 DFD Level 4 Proses Pengolahan Data Master MiniBar Hapus..	95
Gambar 76 DFD Level 4 Proses Pengolahan Data Master MiniBar Cari.....	95
Gambar 77 DFD Level 4 Proses Pengolahan Transaksi Hotel Reservation Add	96
Gambar 78 DFD Level 4 Proses Pengolahan Transaksi Hotel Reservation Cancel	97
Gambar 79 DFD Level 4 Proses Pengolahan Transaksi Hotel Check In	98
Gambar 80 DFD Level 4 Proses Pengolahan Transaksi Hotel Extend	99
Gambar 81 Tampilan <i>Front Office Manager</i>	197
Gambar 82 Tampilan <i>Receptionist</i>	197
Gambar 83 Tampilan <i>Cashier</i>	198
Gambar 84 Tampilan <i>Reservation</i>	198
Gambar 85 Tampilan <i>Check-In</i>	199
Gambar 86 Tampilan <i>Check-Out</i>	199
Gambar 87 Tampilan <i>Room Service</i>	200
Gambar 88 Tampilan <i>Room Service</i> Pemesanan Makanan	200
Gambar 89 Tampilan Pemesanan Makanan.....	201
Gambar 90 Tampilan <i>Requisition</i>	201
Gambar 91 Tampilan Pembelian <i>Inventory</i>	202
Gambar 92 Tampilan <i>Registrasi Member</i> Hotel.....	202
Gambar 93 Rancangan Laporan Penjualan Hotel	203
Gambar 94 Rancangan Laporan Pembelian Hotel	203
Gambar 95 Rancangan Laporan Laba Rugi Hotel	204
Gambar 96 Rancangan Laporan Penjualan Restoran	204
Gambar 97 Rancangan Laporan Pembelian Restoran	205
Gambar 98 Rancangan Laporan Laba Rugi Restoran.....	206
Gambar 99 Login.....	207
Gambar 100 Tampilan <i>Login- Cannot Find Username</i>	207
Gambar 101 Tampilan <i>Login - Password Incorrect</i>	208
Gambar 102 Tampilan Lupa <i>Password – Input Username / Password</i>	208

Gambar 103 Tampilan Lupa Password - Cannot Find User ID or Username	208
Gambar 104 Tampilan Lupa Password – Input Security Answer	209
Gambar 105 Tampilan Lupa Password - Wrong Security Answer	209
Gambar 106 Tampilan Lupa Password – Input New Password (invalid)	209
Gambar 107 Tampilan Lupa Password – Input New Password (valid)	210
Gambar 108 Tampilan Edit Account Input Password	210
Gambar 109 Tampilan Edit Account User Information	210
Gambar 110 Tampilan Edit Account Login Information	211
Gambar 111 Tampilan Edit Account Security Information	211
Gambar 112 Tampilan Utama Menu User Hotel Manager	212
Gambar 113 Tampilan Utama Menu User Hotel Manager – Master	213
Gambar 114 Tampilan Master User	214
Gambar 115 Master Member	215
Gambar 116 Master Menu	216
Gambar 117 Master recipe	217
Gambar 118 Master Foodstuff	218
Gambar 119 Master Extra	219
Gambar 120 Master Mini Bar	220
Gambar 121 Purchase Mini Bar	221
Gambar 122 Laporan Pembelian	222
Gambar 123 Tampilan Laporan Pendapatan Hotel	223
Gambar 124 Lihat Pelanggan	223
Gambar 125 view CheckIn	224
Gambar 126 Menu Hotel Receptionist	225
Gambar 127 Reservation	226
Gambar 128 Check In	227
Gambar 129 Cancel Transaction	228
Gambar 130 Extend Check In	229
Gambar 131 Check Out	230
Gambar 132 Room Service	231
Gambar 133 Purchase Foodstuff	232
Gambar 134 Laporan Pembelian	233
Gambar 135 Tampilan Laporan Pendapatan Hotel	234
Gambar 136 Lihat Pelanggan	234
Gambar 137 Tampilan FnB Cashier – Order	235
Gambar 138 Tampilan FnB Cashier – Payment Hotel Invoice	236
Gambar 139 Tampilan FnB Cashier – Payment Resto Invoice	237

DAFTAR TABEL

Tabel I Pengertian Sistem Informasi	6
Tabel II Simbol Flowchart.....	8
Tabel III Simbol Kamus Data	17
Tabel IV Tabel TBUser.....	29
Tabel V Tabel TBMember	29
Tabel VI Tabel TBRoom.....	29
Tabel VII Tabel TBRoomStatus	30
Tabel VIII Tabel TBMenu	30
Tabel IX Tabel TBFoodstuff	30
Tabel X Tabel TBExtra.....	31
Tabel XI Tabel TBMiniBar	31
Tabel XII Tabel TBMenuFoodstuff	31
Tabel XIII Tabel TBReservation	32
Tabel XIV Tabel TBCheckIn.....	32
Tabel XV Tabel TBExtraDetil	33
Tabel XVI Tabel TBMiniBarDetil	33
Tabel XVII Tabel TBExtraDetil	34
Tabel XVIII Tabel TBRoomService	34
Tabel XIX Tabel TBHotelInvoice	34
Tabel XX Tabel TBRestoInvoice	35
Tabel XXI Tabel TBRestoInvoiceDetil	35
Tabel XXII Tabel TBOrderDetil	36
Tabel XXIII Tabel TBPurchaseFoodtuff	36
Tabel XXIV Tabel TBPurchaseMiniBar	36
Tabel XXV Tabel TBPurchaseFoodstuffDetil	37
Tabel XXVI Tabel TBPurchaseMiniDetil.....	37
Tabel XXVII Tabel <i>User_data</i>	100
Tabel XXVIII Tabel <i>User_ID</i>	100
Tabel XXIX Tabel <i>User _ Department</i>	101
Tabel XXX Tabel <i>User _ Role</i>	101
Tabel XXXI <i>User_Name</i>	101
Tabel XXXII <i>User_ Address</i>	101
Tabel XXXIII <i>User_ Phone</i>	102
Tabel XXXIV <i>User_ Gender</i>	102
Tabel XXXV <i>User_ Username</i>	102
Tabel XXXVI <i>User_ Password</i>	102
Tabel XXXVII <i>User_ SecQuestion</i>	103
Tabel XXXVIII <i>User_ SecAnswer</i>	103

Tabel XXXIX Tabel <i>Member_data</i>	103
Tabel XL Tabel <i>Member_ID</i>	104
Tabel XLI <i>Member_Name</i>	104
Tabel XLII <i>Member_Address</i>	104
Tabel XLIII <i>Member_Phone</i>	104
Tabel XLIV <i>Member_Gender</i>	105
Tabel XLV Tabel <i>Room_data</i>	105
Tabel XLVI Tabel <i>Room_ID</i>	105
Tabel XLVII <i>Room_Type</i>	106
Tabel XLVIII <i>Room_Floor</i>	106
Tabel XLIX <i>Room_No</i>	106
Tabel L <i>Room_Rate</i>	106
Tabel LI Tabel <i>Menu_data</i>	107
Tabel LII Tabel <i>Menu_ID</i>	107
Tabel LIII <i>Menu_Type</i>	107
Tabel LIV <i>Menu_Style</i>	108
Tabel LV <i>Menu_Name</i>	108
Tabel LVI <i>Menu_Price</i>	108
Tabel LVII Tabel <i>Foodstuff_data</i>	108
Tabel LVIII Tabel <i>Foodstuff_ID</i>	109
Tabel LIX <i>Foodstuff_Type</i>	109
Tabel LX <i>Foodstuff_Name</i>	109
Tabel LXI <i>Foodstuff_Stock</i>	110
Tabel LXII <i>Foodstuff_Price</i>	110
Tabel LXIII Tabel <i>Recipe_data</i>	110
Tabel LXIV Tabel <i>Recipe_ID</i>	111
Tabel LXV <i>Recipe_Quantity</i>	111
Tabel LXVI Tabel <i>Minibar_data</i>	111
Tabel LXVII Tabel <i>Minibar_ID</i>	112
Tabel LXVIII <i>Minibar_Type</i>	112
Tabel LXIX <i>Minibar_Name</i>	112
Tabel LXX <i>Minibar_Stock</i>	112
Tabel LXXI <i>Minibar_Price</i>	113
Tabel LXXII Tabel <i>Extra_data</i>	113
Tabel LXXIII Tabel <i>Extra_ID</i>	113
Tabel LXXIV <i>Extra_Name</i>	114
Tabel LXXV <i>Extra_Stock</i>	114
Tabel LXXVI <i>Extra_Price</i>	114
Tabel LXXVII Tabel <i>Reservation_data</i>	114
Tabel LXXVIII Tabel <i>Reservation_ID</i>	115
Tabel LXXIX Tabel <i>Reservation_CheckIn</i>	115

Tabel LXXX Tabel <i>Reservation _ CheckOut</i>	115
Tabel LXXXI Tabel <i>Reservation _ Name</i>	116
Tabel LXXXII Tabel <i>Reservation _ Address</i>	116
Tabel LXXXIII Tabel <i>Reservation _ Phone</i>	116
Tabel LXXXIV Tabel <i>Checkin _ data</i>	116
Tabel LXXXV Tabel <i>Checkin _ ID</i>	117
Tabel LXXXVI Tabel <i>Checkin _ CheckIn</i>	117
Tabel LXXXVII Tabel <i>Checkin _ CheckOut</i>	117
Tabel LXXXVIII Tabel <i>Checkin _ Guest</i>	118
Tabel LXXXIX Tabel <i>Roomservice _ data</i>	118
Tabel XC Tabel <i>Roomservice _ ID</i>	118
Tabel XCI Tabel <i>Roomservice _ Total</i>	118
Tabel XCII Tabel <i>MinibarDetil _ data</i>	119
Tabel XCIII Tabel <i>MiniBarDetil _ ID</i>	119
Tabel XCIV Tabel <i>MiniBarDetil _ Date</i>	119
Tabel XCV Tabel <i>MiniBarDetil _ Qty</i>	120
Tabel XCVI Tabel <i>MiniBarDetil _ Price</i>	120
Tabel XCVII Tabel <i>MiniBarDetil _ Subtotal</i>	120
Tabel XCVIII Tabel <i>ExtraDetil _ data</i>	120
Tabel XCIX Tabel <i>ExtraDetil _ ID</i>	121
Tabel C Tabel <i>ExtraDetil _ Date</i>	121
Tabel CI Tabel <i>ExtraDetil _ Qty</i>	121
Tabel CII Tabel <i>ExtraDetil _ Price</i>	122
Tabel CIII Tabel <i>ExtraDetil _ Subtotal</i>	122
Tabel CIV Tabel <i>OrderDetil _ data</i>	122
Tabel CV Tabel <i>OrderDetil _ Qty</i>	123
Tabel CVI Tabel <i>OrderDetil _ Price</i>	123
Tabel CVII Tabel <i>OrderDetil _ Subtotal</i>	123
Tabel CVIII Tabel <i>RestoInvoice _ data</i>	123
Tabel CIX Tabel <i>RestoInvoice _ ID</i>	124
Tabel CX Tabel <i>RestoInvoice _ Date</i>	124
Tabel CXI Tabel <i>RestoInvoice _ Total</i>	124
Tabel CXII Tabel <i>RestoInvoice _ NoMeja</i>	125
Tabel CXIII Tabel <i>RestoInvoice _ Status</i>	125
Tabel CXIV Tabel <i>HotellInvoice _ data</i>	125
Tabel CXV Tabel <i>HotellInvoice _ ID</i>	126
Tabel CXVI Tabel <i>HotellInvoice _ TotalRoomService</i>	126
Tabel CXVII Tabel <i>HotellInvoice _ TotalRestoInvoice</i>	126
Tabel CXVIII Tabel <i>HotellInvoice _ TotalRoomInvoice</i>	126
Tabel CXIX Tabel <i>PurchaseFoodstuff _ data</i>	127
Tabel CXX Tabel <i>PurchaseFoodstuff _ ID</i>	127

Tabel CXXI Tabel PurchaseFoodstuff_ <i>Date</i>	127
Tabel CXXII Tabel PurchaseFoodstuff_ <i>Total</i>	128
Tabel CXXIII Tabel PurchaseMinibar_ <i>data</i>	128
Tabel CXXIV Tabel PurchaseMinibar_ <i>ID</i>	128
Tabel CXXV Tabel PurchaseMinibar_ <i>Date</i>	128
Tabel CXXVI Tabel PurchaseMinibar_ <i>Total</i>	129
Tabel CXXVII Tabel PurchaseFoodstuffDetil_ <i>data</i>	129
Tabel CXXVIII Tabel PurchaseFoodstuffDetil_ <i>ID</i>	129
Tabel CXXIX Tabel PurchaseFoodstuffDetil_ <i>Price</i>	130
Tabel CXXX Tabel PurchaseFoodstuffDetil_ <i>qty</i>	130
Tabel CXXXI Tabel PurchaseFoodstuffDetil_ <i>Subtotal</i>	130
Tabel CXXXII Tabel PurchaseMinibarDetil_ <i>data</i>	130
Tabel CXXXIII Tabel PurchaseMinibarDetil_ <i>ID</i>	131
Tabel CXXXIV Tabel PurchaseMinibarDetil_ <i>Price</i>	131
Tabel CXXXV Tabel PurchaseMinibarDetil_ <i>qty</i>	132
Tabel CXXXVI Tabel PurchaseMinibarDetil_ <i>Subtotal</i>	132
Tabel CXXXVII Tabel Input Username dan Password	132
Tabel CXXXVIII Tabel Validasi <i>Username</i> dan <i>Password</i>	132
Tabel CXXXIX Tabel Input User ID / Username	133
Tabel CXL Validasi SecAnswer	133
Tabel CXLI Tabel Reset Password	134
Tabel CXLII Tabel <i>Input User Spesification</i>	134
Tabel CXLIII Tabel <i>Output User ID</i>	135
Tabel CXLIV <i>Input User Data Information</i>	135
Tabel CXLV <i>Validasi User Data Information</i>	136
Tabel CXLVI <i>Simpan Data Base</i>	136
Tabel CXLVII Tabel <i>Input User ID</i>	137
Tabel CXLVIII Tabel <i>Output User Data</i>	137
Tabel CXLIX <i>Input User Data Information</i>	138
Tabel CL <i>Validasi User Data Information</i>	138
Tabel CLI <i>Simpan Database</i>	139
Tabel CLII Tabel <i>Input User ID</i>	139
Tabel CLIII Tabel <i>Output User Data</i>	140
Tabel CLIV <i>Hapus Database</i>	140
Tabel CLV <i>Input Category</i>	141
Tabel CLVI <i>Input Keyword</i>	141
Tabel CLVII <i>Output User Data</i>	141
Tabel CLVIII <i>Ouput Member ID</i>	142
Tabel CLIX <i>Input Member Data Information</i>	142
Tabel CLX <i>Validasi Member Data Information</i>	142
Tabel CLXI <i>Simpan Data Base</i>	143

Tabel CLXII Tabel <i>Input Member ID</i>	143
Tabel CLXIII Tabel <i>Output Member Data</i>	144
Tabel CLXIV <i>Input Member Data Information</i>	144
Tabel CLXV <i>Validasi Member Data Information</i>	145
Tabel CLXVI <i>Simpan Database</i>	145
Tabel CLXVII Tabel <i>Input Member ID</i>	146
Tabel CLXVIII Tabel <i>Output Member Data</i>	146
Tabel CLXIX <i>Hapus Database</i>	147
Tabel CLXX <i>Input Category</i>	147
Tabel CLXXI <i>Input Keyword</i>	147
Tabel CLXXII <i>Output Member Data</i>	148
Tabel CLXXIII <i>Input Room Type</i>	148
Tabel CLXXIV <i>Output Room Information</i>	148
Tabel CLXXV <i>Simpan Database</i>	149
Tabel CLXXVI <i>Input Room Type</i>	150
Tabel CLXXVII <i>Output Room Rate</i>	150
Tabel CLXXVIII <i>Input Room Rate</i>	150
Tabel CLXXIX <i>Validasi Room Rate</i>	151
Tabel CLXXX <i>Simpan Database</i>	151
Tabel CLXXXI Tabel <i>Input Room ID</i>	151
Tabel CLXXXII Tabel <i>Output Room Data</i>	152
Tabel CLXXXIII <i>Hapus Database</i>	152
Tabel CLXXXIV Tabel <i>Input Menu Spesification</i>	153
Tabel CLXXXV Tabel <i>Output Menu ID</i>	153
Tabel CLXXXVI <i>Input Menu Data Information</i>	154
Tabel CLXXXVII <i>Validasi Menu Data Information</i>	154
Tabel CLXXXVIII <i>Simpan Data Base</i>	155
Tabel CLXXXIX Tabel <i>Input Menu ID</i>	155
Tabel CXC Tabel <i>Output Menu Data</i>	155
Tabel CXCI <i>Input Menu Data Information</i>	156
Tabel CXCII <i>Validasi Menu Data Information</i>	156
Tabel CXCIII <i>Simpan Database</i>	157
Tabel CXCIV Tabel <i>Input Menu ID</i>	157
Tabel CXCV Tabel <i>Output Menu Data</i>	158
Tabel CXCVI <i>Hapus Database</i>	158
Tabel CXCVII <i>Input Category</i>	158
Tabel CXCVIII <i>Input Keyword</i>	159
Tabel CXCIX <i>Output Menu Data</i>	159
Tabel CC <i>Input Menu ID</i>	160
Tabel CCI <i>Input Foodstuff ID</i>	160
Tabel CCII <i>Input Recipe Data</i>	160

Tabel CCIII Ubah Harga Menu.....	161
Tabel CCIV <i>Input Menu ID</i>	161
Tabel CCV <i>Input Foodstuff ID</i>	161
Tabel CCVI <i>Input Recipe Data</i>	162
Tabel CCVII Ubah Harga Menu	162
Tabel CCVIII <i>Tabel Input Foodstuff Type</i>	163
Tabel CCIX <i>Tabel Output Foodstuff ID</i>	163
Tabel CCX <i>Input Foodstuff Data Information</i>	164
Tabel CCXI <i>Validasi Foodstuff Data Information</i>	164
Tabel CCXII <i>Simpan Data Base</i>	164
Tabel CCXIII <i>Tabel Input Foodstuff ID</i>	165
Tabel CCXIV <i>Tabel Output Foodstuff Data</i>	165
Tabel CCXV <i>Input Foodstuff Data Information</i>	166
Tabel CCXVI <i>Validasi Foodstuff Data Information</i>	166
Tabel CCXVII <i>Simpan Database</i>	167
Tabel CCXVIII <i>Tabel Input Foodstuff ID</i>	167
Tabel CCXIX <i>Tabel Output Foodstuff Data</i>	168
Tabel CCXX <i>Hapus Database</i>	168
Tabel CCXXI <i>Input Category</i>	168
Tabel CCXXII <i>Input Keyword</i>	169
Tabel CCXXIII <i>Output Menu Data</i>	169
Tabel CCXXIV <i>Ouput Extra ID</i>	169
Tabel CCXXV <i>Input Extra Data Information</i>	170
Tabel CCXXVI <i>Validasi Extra Data Information</i>	170
Tabel CCXXVII <i>Simpan Data Base</i>	171
Tabel CCXXVIII <i>Tabel Input Extra ID</i>	171
Tabel CCXXIX <i>Tabel Output Extra Data</i>	171
Tabel CCXXX <i>Input Extra Data Information</i>	172
Tabel CCXXXI <i>Validasi Extra Data Information</i>	172
Tabel CCXXXII <i>Simpan Database</i>	173
Tabel CCXXXIII <i>Tabel Input Extra ID</i>	173
Tabel CCXXXIV <i>Tabel Output Extra Data</i>	174
Tabel CCXXXV <i>Hapus Database</i>	174
Tabel CCXXXVI <i>Input Category</i>	174
Tabel CCXXXVII <i>Input Keyword</i>	175
Tabel CCXXXVIII <i>Output Extra Data</i>	175
Tabel CCXXXIX <i>Tabel Input Minibar Type</i>	176
Tabel CCXL <i>Tabel Output Minibar ID</i>	176
Tabel CCXLI <i>Input Minibar Data Information</i>	176
Tabel CCXLII <i>Validasi Minibar Data Information</i>	177
Tabel CCXLIII <i>Simpan Data Base</i>	177

Tabel CCXLIV Tabel <i>Input Minibar ID</i>	178
Tabel CCXLV Tabel <i>Output Minibar Data</i>	178
Tabel CCXLVI <i>Input Minibar Data Information</i>	179
Tabel CCXLVII <i>Validasi Minibar Data Information</i>	179
Tabel CCXLVIII <i>Simpan Database</i>	179
Tabel CCXLIX Tabel <i>Input Minibar ID</i>	180
Tabel CCL Tabel <i>Output Minibar Data</i>	180
Tabel CCLI <i>Hapus Database</i>	181
Tabel CCLII <i>Input Category</i>	181
Tabel CCLIII <i>Input Keyword</i>	181
Tabel CCLIV <i>Output Minibar Data</i>	182
Tabel CCLV <i>Output Reservation ID</i>	182
Tabel CCLVI <i>Input CheckIn, CheckOut, RoomType</i>	182
Tabel CCLVII <i>Output Room ID</i>	183
Tabel CCLVIII <i>Input Reservation</i>	183
Tabel CCLIX <i>Output Reservation ID</i>	184
Tabel CCLX <i>Output Reservation Data</i>	185
Tabel CCLXI <i>Update Room Status</i>	185
Tabel CCLXII <i>Delete Reservation</i>	185
Tabel CCLXIII <i>Output CheckIn ID</i>	186
Tabel CCLXIV <i>Input CheckIn, CheckOut, RoomType</i>	187
Tabel CCLXV <i>Output Room ID</i>	187
Tabel CCLXVI <i>Input CheckIn</i>	187
Tabel CCLXVII <i>Output CheckIn ID</i>	188
Tabel CCLXVIII <i>Output CheckIn Data</i>	188
Tabel CCLXIX <i>Update Room Status</i>	189
Tabel CCLXX <i>Update CheckIn</i>	189
Tabel CCLXXI <i>Output CheckIn ID</i>	190
Tabel CCLXXII <i>Output Hotel Invoice</i>	190
Tabel CCLXXIII <i>Input Purchase Minibar Detil</i>	190
Tabel CCLXXIV <i>Input Purchase Minibar</i>	191
Tabel CCLXXV <i>Input Order Detil</i>	191
Tabel CCLXXVI <i>Input Resto Invoice</i>	192
Tabel CCLXXVII <i>Resto Invoice ID</i>	192
Tabel CCLXXVIII <i>Output Resto Invoice</i>	193
Tabel CCLXXIX <i>Input Purchase Foodstuff Detil</i>	193
Tabel CCLXXX <i>Input Purchase Foodstuff</i>	194
Tabel CCLXXXI <i>Laporan Penjualan</i>	194
Tabel CCLXXXII <i>Laporan Pembelian</i>	194
Tabel CCLXXXIII <i>Laporan Laba Rugi</i>	195
Tabel CCLXXXIV <i>Laporan Penjualan</i>	195

Tabel CCLXXXV Laporan Pembelian	196
Tabel CCLXXXVI Laporan Laba Rugi	196
Tabel CCLXXXVII Black Box Login.....	238
Tabel CCLXXXVIII <i>Test Case</i> Halaman <i>Hotel Manager</i>	239
Tabel CCLXXXIX <i>Test Case</i> Halaman <i>Hotel Receptionist</i>	240
Tabel CCXC <i>Test Case</i> Halaman <i>FnB Manager</i>	241
Tabel CCXCI <i>Test Case</i> Halaman <i>FnB Cashier</i>	242
Tabel CCXCII <i>Test Case</i> Halaman <i>Purchase Minibar</i>	243
Tabel CCXCIII <i>Test Case</i> Halaman <i>Purchase Foodstuff</i>	243
Tabel CCXCIV <i>Test Case</i> Halaman <i>Reservation</i>	244
Tabel CCXCV <i>Test Case</i> Halaman <i>Check In</i>	244
Tabel CCXCVI <i>Test Case</i> Halaman <i>Cancel Reservation</i>	244
Tabel CCXCVII <i>Test Case</i> Halaman <i>Extend Check In</i>	244
Tabel CCXCVIII <i>Test Case</i> Halaman <i>Order</i>	245
Tabel CCXCIX <i>Test Case</i> Halaman <i>User</i>	245
Tabel CCC <i>Test Case</i> Halaman <i>Member</i>	245
Tabel CCCI <i>Test Case</i> Halaman <i>Menu</i>	246
Tabel CCCII <i>Test Case</i> Halaman <i>Foodstuff</i>	246
Tabel CCCIII <i>Test Case</i> Halaman <i>Minibar</i>	246
Tabel CCCIV <i>Test Case</i> Halaman <i>Extra</i>	247
Tabel CCCV <i>Test Case</i> Halaman <i>Room</i>	247
Tabel CCCVI <i>Test Case</i> Halaman <i>Laporan Penjualan</i>	248
Tabel CCCVII <i>Test Case</i> Halaman <i>Laporan Pembelian</i>	248
Tabel CCCVIII <i>Test Case</i> Halaman <i>Laporan Laba Rugi</i>	248
Tabel CCCIX <i>Test Case</i> Halaman <i>Laporan Penjualan</i>	248
Tabel CCCX <i>Test Case</i> Halaman <i>Laporan Pembelian</i>	248
Tabel CCCXI <i>Test Case</i> Halaman <i>Laporan Laba Rugi</i>	249
Tabel CCCXII <i>Test Case</i> Halaman <i>Edit Account</i>	249