

DAFTAR ISI

COVER

LEMBAR PENGESAHAN TUGAS AKHIR

DATA PRIBADI

KATA PENGANTAR	I
ABSTRAK.....	III
DAFTAR ISI	IV
DAFTAR GAMBAR	XI
DAFTAR TABEL DAN DIAGRAM	XV
BAB I PENDAHULUAN	1
1.1 Latar belakang.....	1
1.2 Identifikasi Masalah.....	3
1.3 Tujuan Penelitian	3
1.4 Batasan Masalah	4
1.5 Manfaat Penelitian	4
1.6 Metodologi.....	5
1.6.1 Studi Pustaka.....	5
1.6.2 Studi Lapangan.....	6
1.6.3 Konversi Diagram UML	6
1.6.4 Perancangan Sistem	6
1.7 Jadwal	8
BAB II LANDASAN TEORI.....	9
2.1 Landasan Teori	9
2.1.1 Perancangan	9
2.1.2 Sistem Informasi	9
2.1.3 Bengkel	10
2.1.4 Kendaraan Bermotor	10
2.1.4.1 Manfaat Dan Fungsi Kendaraan Bermotor	11

2.1.4.2	Jenis –Jenis Kendaraan Bermotor	12
2.1.5	Definisi Sistem	13
2.1.6	Aplikasi	14
2.1.7	Konsep Basis Data	14
2.1.8	Pengertian Data Dan Database.....	15
2.1.9	Pengertian Web	16
2.1.10	Pnegertian Aplikasi Web.....	16
2.1.11	Pengertian Web Server	16
2.1.12	Pengertian PHP.....	17
2.1.13	Pengertian CSS.....	18
2.1.14	MySQL.....	18
2.1.15	Pengertian XAMPP.....	19
2.1.16	UML.....	20
2.1.16.1	Use Case Diaram.....	22
2.1.16.2	Activity Diagram.....	24
2.1.16.3	Class Diagram	25
2.1.16.4	Sequence Diagram	26
2.1.16.5	Collaboration Diagram.....	27
2.1.16.6	Package Diagram	28
2.1.16.7	Component Diagram	30
2.1.16.8	Deployment Diagram	31
2.1.17	Metodologi Perancangan Sistem.....	32
2.1.17.1	Extrme Programing	32
2.1.17.2	Tujuan XP	33
2.1.17.3	Penggunaan XP	33
2.1.17.4	Variabel XP	33
2.1.17.5	Kunci Utama XP (XP Value).....	34
2.1.17.6	Aspek Dasar XP	36
2.1.12	Metode Analisis PIECES.....	37

BAB III GAMBARAN UMUM DAN PROSES BISNIS	42
3.1 Gambaran Umum.....	42
3.2 Struktur Organisasi	44
3.3 Proses Bisnis Ynag Sedang Berjalan	44
3.4 Analisis Masalah.....	48
3.4.1 Metode Analisis Pieces.....	49
3.5 Rencana Solusi Pemecahan Masalah.....	51
3.5.1 Proses Bisnis Sistem	51
3.6 Metode Perancangan Siatem.....	53
BAB IV HASIL DAN PEMBAHASAN	54
4.1 Proses Perancangan Dan Desain Sistem	54
4.1.1 Proses Planning (perencanaan)	54
4.1.2 Proses Desain (Desain)	55
4.2 Perancangan dan Desain Sistem	55
4.2.1 User Stories	55
4.2.1.1 User Admin	56
4.2.1.2 User Client	58
4.2.2 Use Case Diagram.....	60
4.2.3 Class Diagram	61
4.2.4 Activity Diagram.....	62
4.2.4.1 Activity Diagram Login Admin	62
4.2.4.2 Activity Diagram Admin Barang Dan Sparepart	62
4.2.4.3 Activity Diagram Daftar Pesanan Admin.....	63
4.2.4.4 Activity Diagram Admin Entry Montir.....	63
4.2.4.5 Activity Diagram Admin Daftar Pelanggan	64

4.2.4.6	Activity Diagram Pembookingan Service Admin.....	64
4.2.4.7	Activity Diagram Laporan Penjualan Admin.....	65
4.2.4.8	Activity Diagram Daftar User.....	65
4.2.4.9	Activity Diagram Login User.....	66
4.2.4.10	Activity Diagram Kategori Kebutuhan User.....	66
4.2.4.11	Activity Diagram User Pilih Barang.....	66
4.2.4.12	Activity Diagram Keranjang Belanja.....	67
4.2.4.13	Activity Diagram booking Service.....	67
4.2.4.14	Activity Diagram User Melihat Pembelian Yang Dipilih.....	68
4.2.4.15	Activity Diagram User Pembayaran.....	68
4.2.5	Sequence Diagram.....	69
4.2.5.1	Sequence Diagram Login Admin.....	69
4.2.5.2	Sequence Diagram Entry Sparepart.....	70
4.2.5.3	Sequence Diagram Daftar Pesanan Admin.....	70
4.2.5.4	Sequence Diagram Entry Montir Admin.....	71
4.2.5.5	Sequence Diagram Daftar Pelanggan Admin.....	71
4.2.5.6	Sequence Diagram Booking Admin.....	72
4.2.5.7	Sequence Diagram Cetak Laporan Admin.....	72
4.2.5.8	Sequence Diagram Registrasi User.....	73
4.2.5.9	Sequence Diagram Login User.....	73
4.2.5.10	Sequence Diagram Kebutuhan User.....	74

4.2.5.11	Sequence Diagram User Pilih Barang Dan Sparepart.....	74
4.2.5.12	Sequence Diagram User Keranjang Belanja.....	75
4.2.5.13	Sequence Diagram pemesanan Service.....	75
4.2.5.14	Sequence Diagram User Melihat Pembelian Yang Dipilih.....	76
4.2.5.15	Sequence Diagram Pembayaran User	76
4.2.6	Collaboration Diagram.....	77
4.2.6.1	Collaboration Diagram Login Admin	77
4.2.6.2	Collaboration Diagram Atur Kategori Barang	77
4.2.6.3	Collaboration Diagram Daftar Pesanan Admin.....	78
4.2.6.4	Collaboration Diagram Entry Montir Admin	78
4.2.6.5	Collaboration Diagram Daftar Pelanggan Admin	79
4.2.6.6	Collaboration Diagram Admin Booking	79
4.2.6.7	Collaboration Diagram Admin Laporan Penjualan.....	80
4.2.6.8	Collaboration Diagram User Daftar	80
4.2.6.9	Collaboration Diagram Login User	81
4.2.6.10	Collaboration Diagram Kebutuhan User	81
4.2.6.11	Collaboration Diagram User Memilih Barang.....	82

4.2.6.12	Collaboration Diagram User Atur	
	Keranjang Belanja	82
4.2.6.13	Collaboration Diagram Service	
	Booking User	83
4.2.6.14	Collaboration Diagram User Melihat	
	Data Pembelian Yang Dipilih	83
4.2.6.15	Collaboration Diagram User	
	Transaksi	83
4.2.7	Package Diagram	84
4.2.8	Deployment Diagram	85
4.2.9	Component Diagram	86
4.2.10	Proses Pengujian (testing)	87
4.3	Gambaran Aplikasi	94
4.3.1	Login Admin	94
4.3.2	Homepage Admin	95
4.3.3	Tampilan Entry Kategori Admin	96
	4.3.3.1 Form Kategori Tambah Sparepart	96
4.3.4	Tampilan Entry Sparepart Admin	97
	4.3.4.1 Form Kategori Tambah Sparepart	97
4.3.5	Tampilan Daftar Entry Montir Admin	98
4.3.6	Tampilan Daftar Pelanggan Admin	98
4.3.7	Tampilan Daftar Pesanan Admin	99
4.3.8	Tampilan Daftar Booking Admin	100
	4.3.6.1 Tampilan Pembuatan Struk Admin	100
4.3.9	Tampilan Laporan Penjualan Admin	101
4.3.10	Tampilan Laporan Booking Admin	101
4.3.11	Registrasi Customer	102
4.3.12	Login Customer	102
4.3.13	Tampilan Website	103

4.3.14	Tampilan Pemilihan Dan Pencarian Sparepart	104
4.3.15	Tampilan Keranjang Belanja Customer	104
4.3.16	Tampilan Data Pesanan Customer	105
4.3.17	Booking Service Customer	106
4.3.3.1	Tampilan Form Booking Customer.....	107
4.3.18	Tampilan History Customer.....	107
4.3.19	Tentang Kami.....	108
4.4	Struktur Navigasi	109
BAB V KESIMPILAN DAN SARAN		110
5.1	Kesimpulan	110
5.2	Saran	110
DAFTAR PUSTAKA		