

ABSTRAK

Dewasa ini perkembangan internet banyak sekali dimanfaatkan kegunaannya dalam berbagai bidang, diantaranya dalam bidang bisnis dan pendidikan. Seiring dengan perkembangan teknologi yang juga pesat terciptalah WAP (*Wireless Application Protocol*) yang merupakan protokol yang memungkinkan piranti nirkabel seperti ponsel melakukan komunikasi data seperti mengakses internet melalui jaringan seluler digital.

Implementasi *Wireless Application Protocol* untuk membangun Aplikasi Yellow Pages dan Polling Restoran Berbasis WAP merupakan aplikasi yang digunakan untuk pencarian data restoran dan memilih dan melihat polling restoran yang paling banyak disukai oleh user.

Kata kunci : aplikasi yellow page,WAP

ABSTRACT

Nowadays the internet development are so many used in some fields, some of them are in business and education field. Going on technology development that also in a speed, made impact in WAP (Wireless Application Protocol) to be created, that also as a protocol with support or available as wireless system like mobile phone doing data communication like accessing internet by digital cellular networking

WAP Implementation for building up the application yellow pages and polling resto base on WAP is using for searching file resto and choice and view polling resto the most wanted by user.

Keyword : application yellow page,WAP

DAFTAR ISI

LEMBAR PENGESAHAN	
LEMBAR PERNYATAAN ORISINALITAS KARYA	
LEMBAR PERNYATAAN PERSETUJUAN PUBLIKASI KARYA ILMIAH UNTUK	
KEPENTINGAN AKADEMIS	
KATA PENGANTAR	
ABSTRAK	i
ABSTRACT	ii
DAFTAR ISI	iii
DAFTAR GAMBAR	v
DAFTAR TABEL	vii
DAFTAR LAMPIRAN.....	ix
BAB I PENDAHULUAN	1
I.1 Latar Belakang	1
I.2 Perumusan Masalah.....	1
I.3 Tujuan	2
I.4 Batasan Masalah.....	2
I.5 Sistematika Penulisan	3
BAB II LANDASAN TEORI	5
II.1 Definisi Aplikasi.....	5
II.2 Definisi WAP	5
II.3 Metodologi Pengembangan Sistem	6
II.4 DFD (<i>Data Flow Diagram</i>).....	7
II.5 Spesifikasi Proses	8
II.6 ER-D (<i>ER-Diagram</i>).....	9
II.7 Kamus Data	11
II.8 <i>Wide Markup Language</i> (WML)	11
II.9 <i>Hypertext markup Language</i> (HTML)	13
II.10PHP Hypertext Preprocessor	15
II.11MySQL	16
II.12Macromedia Dreamwaver 8	18
II.13Openwave V7 simulator	19
II.14Teknik Demo	19
BAB III ANALISIS DAN PERANCANGAN.....	20
III.1 Proses Bisnis	20
III.2 ER-Diagram	20
III.3 Tabel	24
III.4 DFD (<i>Data Flow Diagram</i>).....	17
III.4.1 Diagram Konteks WAP Sistem Informasi Yellow Page dan Polling Restoran	
Menggunakan WAP.....	24
III.4.1.1. DFD Level 1	25
III.4.1.2. DFD Level 2 (Pendaftaran user)	26
III.4.1.3. DFD Level 2 (Voting polling)	27
III.4.1.4. DFD Level 2 (Pencarian Restoran)	28
III.4.1. Diagram Konteks WEB Sistem Informasi Yellow Page dan Polling Restoran	
Menggunakan WAP.....	30
III.4.2.1 DFD Level 1	30
III.4.2.2 DFD level 2 proses kelola data resto	32
III.4.2.3 DFD level 2 proses kelola admin resto	34
III.4.2.4 DFD level 2 proses kelola menu resto	35
III.5 Kamus Data	36
III.6 Spesifikasi Proses	38

III.7 Desain Antar Muka.....	47
BAB IV HASIL TERCAPAI	60
BAB V EVALUASI	73
V.1. Rencana Pengujian Sistem Terimplementasi	73
V.1.1 Test Case	74
V.1.2 Uji Fungsionalitas Modul / Class	78
V.2 Ulasan Evaluasi	83
BAB VI PENUTUP	84
VI.1 Kesimpulan.....	84
VI.2 Saran-saran.....	85
DAFTAR PUSTAKA	xvi

DAFTAR GAMBAR

Gambar II.1 Notasi kesatuan luar.....	7
Gambar II.2 Notasi arus data	7
Gambar II.3 Notasi proses	8
Gambar II.4 Notasi simpanan data	8
Gambar II.5 Notasi <i>split/merge</i>	8
Gambar II.6 Notasi entitas	9
Gambar II.7 Notasi hubungan	10
Gambar II.8 atribut	10
Gambar III.1. <i>ER-D</i>	20
Gambar III.2 Diagram Konteks WAP	24
Gambar III.3 DFD level 1 WAP	25
Gambar III.4 DFD level 2 Proses 1.4	26
Gambar III.5 DFD level 2 Proses 1.2	27
Gambar III.6 DFD level 2 Proses 1.3.....	28
Gambar III.7 Diagram Konteks WEB.....	30
Gambar III.8 DFD level 1 WEB.....	30
Gambar III.9 DFD level 2 proses 1.2	32
Gambar III.10 DFD level 2 Proses 1.3	34
Gambar III.11 DFD level 2 Proses 1.6	35
Gambar III.12 Menu Utama	47
Gambar III.13 Menu Informasi Restoran.....	47
Gambar III.14 Informasi Restoran.....	47
Gambar III.15 Info Polling.....	48
Gambar III.16 Menu User.....	48
Gambar III.17 Daftar User Baru	48
Gambar III.18 Login	49
Gambar III.19 Menu User	49
Gambar III.20 menu pencarian.....	50
Gambar III.21 Proses Pengisian polling.....	50
Gambar III.22 Menu Logout.....	51
Gambar III.23 login.....	51
Gambar III.24 Proses menu administrator	52
Gambar III.25 Proses input data restoran.....	52
Gambar III.26 Proses input data admin restoran.....	53
Gambar III.27 Proses Nonaktifkan member restoran.....	54
Gambar III.28 Proses laporan data polling.....	54
Gambar III.29 Proses laporan data user	55
Gambar III.30 Proses laporan data restoran.....	55
Gambar III.31 Proses laporan data menu	56
Gambar III.32 login	56
Gambar III.33 Proses edit data restoran.....	57
Gambar III.34 Proses Input Menu Restoran.....	58
Gambar III.35 Proses Edit Menu Restoran.....	58
Gambar III.36 Proses laporan data restoran	59
Gambar III.37 Proses lihat menu restoran.....	59
Gambar VI.1 Tampilan Halaman Menu utama.....	60
Gambar IV.2 Tampilan Halaman Menu informasi restoran.....	60
Gambar IV.3 Tampilan Halaman informasi restoran.....	61
Gambar IV.4 Tampilan Halaman informasi Polling.....	61
Gambar IV.5 Tampilan Halaman Menu user login.....	61
Gambar IV.6 Tampilan Halaman daftar User baru.....	62

Gambar IV.7 Tampilan Login.....	62
Gambar IV.8 Tampilan pencarian berdasarkan lokasi.....	63
Gambar IV.9 Tampilan pencarian berdasarkan harga.....	63
Gambar IV.10 Tampilan pencarian berdasarkan harga.....	63
Gambar IV.12 Tampilan pengisian polling.....	64
Gambar IV.13 Tampilan login administrator.....	64
Gambar IV.14 Tampilan menu administrator.....	65
Gambar IV.15 Tampilan menu admin resto.....	66
Gambar IV.16 Tampilan Nonaktifkan Data Member Restoran.....	66
Gambar IV.17 Tampilan input data admin restora.....	67
Gambar IV.18 Tampilan data polling.....	68
Gambar IV.19 Tampilan data user.....	68
Gambar IV.20 Tampilan data restoran.....	69
Gambar IV.21 Tampilan edit data restoran.....	69
Gambar IV.22 Tampilan input data restoran.....	70
Gambar IV.23 Tampilan input menu.....	70
Gambar IV.24 Tampilan edit menu.....	71
Gambar IV.25 Tampilan edit restoran.....	71
Gambar IV.26 Tampilan lihat data restoran.....	72
Gambar IV.27 Tampilan lihat data menu.....	72

DAFTAR TABEL

Tabel II.1 Komponen Spesifikasi Proses	9
Table II.2 Kardinalitas.....	10
Tabel II.3 komponen-komponen kamus data elmenter	11
Tabel II.4 tag-tag didalam WML	12
Tabel II.5 Tag HTML	13
Tabel III.1Tabel admin	21
Tabel III.2 Tabel adminresto	21
Tabel III.3 Tabel resto.....	22
Tabel III.4 Tabel menu.....	22
Tabel III.5 Tabel polling.....	23
Tabel III.6 Tabel user.....	23
Tabel III.7 Tabel Voting	23
Tabel III.8 Deskripsi proses DFD level 1 SIYAPRDM WAP.....	26
Tabel III.9 Deskripsi proses DFD level 2 Pendaftaran user	27
Tabel III.10 Deskripsi proses DFD level 2 Voting polling.....	28
Tabel III.11 Deskripsi proses DFD level 2 Pencarian restoran.....	29
Tabel III.12 Deskripsi proses DFD level 1 SIYAPRDM WEB.....	31
Tabel III.13 Deskripsi proses DFD level 2 proses kelola data restoran.....	33
Tabel III.14 Deskripsi proses DFD level 2 proses kelola data restoran	34
Tabel III.15 Deskripsi proses DFD level 2 proses kelola menu restoran	35
Tabel III.16 Kamus Data Tabel Admin	36
Tabel III.17 Kamus Data Tabel Admin Resto	36
Tabel III.18 Kamus Data Tabel resto	36
Tabel III.19 Kamus Data Tabel user	37
Tabel III.20 Kamus Data Tabel menu	37
Tabel III.21 Kamus Data Tabel polling	37
Tabel III.22 Kamus Data Tabel voting	38
Tabel III.23 Spesifikasi Proses Validasi User.....	38
Tabel III.24 Spesifikasi Proses Voting polling	39
Tabel III.25 Spesifikasi Proses Pencarian Restoran	39
Tabel III.26 Spesifikasi Proses Pendafrtan User	40
Tabel III.27 Spesifikasi Proses Login Admin	40
Tabel III.28 Spesifikasi Proses Input Data Resto	41
Tabel III.29 Spesifikasi Proses nonaktifkan Data Resto	42
Tabel III.30 Spesifikasi Proses Input Data Admin	42
Tabel III.31 Spesifikasi Proses Edit Admin Resto	43
Tabel III.32 Spesifikasi Proses laporan	43
Tabel III.33 Spesifikasi Proses Input Data Menu	44
Tabel III.34 Spesifikasi Proses Edit Menu Resto.....	45
Tabel III.35 Spesifikasi Proses Edit Data Resto	45
Tabel III.36 Spesifikasi Proses laporan	46
Tabel V.1. Rencana Pengujian	73
Tabel V.2 Form Daftar User Baru	74
Tabel V.3 Form Pengisian Polling	74
Tabel V.4 Form Menu Pencarian Restoran.....	75
Tabel V.5 Form Login	75
Tabel V.6 Form Input Data Restoran	76
Tabel V.7 Form Input Data Admin Restoran	76
Tabel V.8 Form Input Menu Restoran.....	76
Tabel V.9 Form Nonaktifkan Member Restoran	77
Tabel V.10 Form Edit Data Restoran	77

Tabel V.11 Form Edit Menu Restoran	77
Tabel V.12 Form Daftar User Baru	78
Tabel V.13 Form Pengisian Polling	79
Tabel V.14 Form Menu Pencarian Restoran	80
Tabel V.15 Form Login	80
Tabel V.16 Form Input Data Restoran	81
Tabel V.17 Form Input Data Admin Restoran	81
Tabel V.18 Form Input Menu Restoran	81
Tabel V.19 Form Nonaktifkan Member Restoran	82
Tabel V.20 Form Edit Data Restoran	82
Tabel V.21 Form Edit Menu Restoran	83
Tabel VI.1 Hasil Perolehan Suara	84

DAFTAR LAMPIRAN

Lampiran A Kuesioner	A-1
Lampiran B Source Code	B-1
Lampiran C Riwayat Hidup / CV Penulis	C-1