

Abstrak

Bus merupakan salah satu jasa transportasi darat yang memiliki peran penting dalam membantu aktifitas masyarakat. Terkadang informasi mengenai harga dan rute bus masih sulit untuk ditemukan ditempat umum. Oleh karena itu, informasi ini memerlukan suatu media yang dapat ditemukan secara umum. Dengan menggunakan data primer yang didapat dari hasil pembelajaran di kampus Universitas Maranatha dan data sekunder yang didapat dari studi literature yang berupa internet ataupun buku. Pembuatan aplikasi ini menggunakan bahasa pemrograman C# dengan visual studio 2010 serta SQL server R2 sebagai jembatan pengerjaannya. Penelitian ini telah menghasilkan sebuah aplikasi yang dapat memberikan informasi rute bus dan harga.

Kata kunci : website, harga, dan rute bus

Abstract

Bus is one of land transportation service which has important role on helping people to do their activities. Sometimes information about price n route of bus still difficult to find on public. Therefore. This information need some media which easy to find by public. By using primary data which learned from study on Maranatha Christian University and secondary data which got from literature study like internet of books. This website maker is using C# with visual studio 2010 and SQL server R2 program language as bridge for processing. This riset result is an aplication which can give information about bus route and price.

Key word : website, price, and bus route

DAFTAR ISI

LEMBAR PENGESAHAN	i
PERNYATAAN PUBLIKASI LAPORAN PENELITIAN	ii
PERNYATAAN ORISINALITAS LAPORAN PENELITIAN	iii
Prakata	iv
Abstrak.....	v
<i>Abstract</i>	vi
DAFTAR ISI.....	vii
DAFTAR GAMBAR.....	xi
DAFTAR TABEL	xiv
BAB 1 PENDAHULUAN.....	1
1.1 Latar Belakang.....	1
1.2 Rumusan Masalah	2
1.3 Tujuan	2
1.4 Batasan Masalah	2
1.5 Sistematis Penulisan.....	3
BAB II DASAR TEORI	5
2.1 Pengertian kendaraan umum	5
2.2 Jenis bus	5
2.3 Trayek.....	6
2.4 UML.....	6
2.5 <i>Activity diagram</i>	8
2.6 Crow's Foot	8
2.7 ASP.NET	9
2.8 HTML (Hypertext Markup Language).	10
2.9 CSS (Cascading Style Sheets)	11
2.10 Microsoft SQL Server	12
2.11 Microsoft SQL Server 2008 R2 Express	13
2.12 Algoritma A Star	13
2.13 Blackbox Testing.....	16
BAB III ANALISA DAN PERMODELAN	18

3.1	Cara kerja <i>Website</i>	18
3.2	Proses <i>login</i> Pengguna.....	19
3.3	<i>Proses Logout pengguna</i>	20
3.4	Register	21
3.5	Kelola <i>profile</i>	21
3.6	Kelola bus	24
3.7	Kelola <i>detail bus</i>	26
3.8	Kelola <i>message</i>	28
3.9	Melihat <i>message</i>	29
3.10	Pencarian bus	30
3.11	Melihat informasi bus.....	30
3.12	Kelola Peta.....	31
3.13	Kelolah Gambar	33
3.14	Kelolah jalur.....	34
3.15	<i>ER-Diagram</i>	37
3.16	Tampilan menu.....	38
3.17	Perancangan <i>user interface</i>	38
3.18	Menu <i>message</i>	46
3.19	Menu peta	48
3.20	Halaman home <i>user</i>	49
3.21	Tampilan menu data pencarian bus	50
3.22	Terms and Conditions.....	50
BAB IV PERANCANGAN DAN IMPLEMENTASI.....		51
4.1	Implementasi Tabel Relasi	51
4.2	Implementasi Halaman.....	51
4.2.1	Tampilan menu utama.....	51
4.2.2	Halaman <i>Master Data</i>	52
4.2.3	Menu <i>login</i>	52
4.2.4	Logout.....	53
4.2.5	Menu <i>register</i>	53
4.2.6	Menu <i>View Profile</i>	53
4.2.7	<i>Edit Profile</i>	54

4.2.8	<i>Change password</i>	54
4.2.9	Menu <i>view bus</i>	55
4.2.10	Add Bus	55
4.2.11	Edit bus	56
4.2.12	<i>View detail bus</i>	56
4.2.13	Add <i>detail bus</i>	56
4.2.14	Edit <i>detail bus</i>	57
4.2.15	<i>View Galeri</i>	57
4.2.16	Add Galeri	58
4.2.17	Edit galeri	58
4.2.18	Add message	58
4.2.19	Melihat message	59
4.2.20	<i>View peta</i>	59
4.2.21	Add peta	59
4.2.22	Edit peta	60
4.2.23	Menu data pencarian bus	60
4.2.24	<i>View Jalur terpendek</i>	61
4.2.25	<i>View jalur biaya termurah</i>	61
4.2.26	Terms and Conditions	61
BAB V PENGUJIAN		62
5.1	Halaman Login	62
5.2	SignIn	63
5.3	Edit profile	64
5.4	Old Change password	65
5.5	Comfirm change password	65
5.6	Add Bus	66
5.7	Edit bus	67
5.8	Add detail bus	68
5.9	Edit detail bus	69
5.10	Contact us	70
5.11	Add peta	70
5.12	Edit peta	71

5.13	AddGaleri	72
5.14	EditGaleri	72
5.15	Pencarian rute bus	73
5.16	Kuisisioner	73
BAB VI_KESIMPULAN DAN SARAN		77
6.1.	Kesimpulan	77
6.2.	Saran.....	77
Lampiran A		A-1
Lampiran B		B-1
Lampiran C		C-1
Lampiran D.....		D-1
DAFTAR PUSTAKA		xv

DAFTAR GAMBAR

Gambar 2. 1 Actor	7
Gambar 2. 2 Usecase.....	7
Gambar 2. 3 Entity	9
Gambar 2. 4 Tabel jarak dan nilai heuristik.....	14
Gambar 2. 5 Proses A.....	14
Gambar 2. 6 Proses B.....	15
Gambar 2. 7 Proses C.....	15
Gambar 2. 8 Proses D.....	15
Gambar 3. 1 Usecase Proses Website	19
Gambar 3. 2 Activity Diagram Login Activity Diagram	20
Gambar 3. 3 Activity Diagram Logout Activity Diagram.....	21
Gambar 3. 4 Activity Diagramregister	22
Gambar 3. 5 Activity Diagram View Data Profile.....	22
Gambar 3. 6 Activity Diagram Edit Profile.....	23
Gambar 3. 7 Change Password	24
Gambar 3. 8 Activity Diagram View kelola bus	25
Gambar 3. 9 Activity Diagram Add data bus	25
Gambar 3. 10 Activity Diagram Update data bus.....	26
Gambar 3. 11 Activity Diagram View detail bus.....	27
Gambar 3. 12 Activity Diagram Add detail bus	27
Gambar 3. 13 Activity Diagram Update detail bus.....	28
Gambar 3. 14 Activity Diagram Add message	29
Gambar 3. 15 Activity Diagram Melihat message	29
Gambar 3. 16 Activity Diagram Pencarian Bus.....	30
Gambar 3. 17 Activity Diagram Melihat Informasi Bus	31
Gambar 3. 18 View Peta.....	31
Gambar 3. 19 Add Peta	32
Gambar 3. 20 Edit Peta	32
Gambar 3. 21 Activity Diagram Melihat Gambar	33
Gambar 3. 22 Activity Diagram Add Gambar	34
Gambar 3. 23 Activity diagram Update gambar	35
Gambar 3. 24 Activity Diagram Melihat Jalur.....	35
Gambar 3. 25 Activity Diagram Add Jalur.....	36
Gambar 3. 26 Activity Diagram Update Jalur	37
Gambar 3. 27 Crow's Foot rute bus.....	37
Gambar 3. 28 (a) home user (b) home perusahaan bus dan admin.....	39
Gambar 3. 29 User Interface login	40
Gambar 3. 30 User Interface Register	40
Gambar 3. 31 View profile	41

Gambar 3. 32 <i>Edit Profile</i>	42
Gambar 3. 33 <i>Change Password</i>	42
Gambar 3. 34 <i>View Bus</i>	43
Gambar 3. 35 <i>Add Bus</i>	43
Gambar 3. 36 <i>Edit Bus</i>	44
Gambar 3. 37 <i>View Detail bus</i>	44
Gambar 3. 38 <i>Add Detail Bus</i>	45
Gambar 3. 39 <i>Edit Detail Bus</i>	45
Gambar 3. 40 <i>View Galeri</i>	46
Gambar 3. 41 <i>Add Galeri</i>	46
Gambar 3. 42 <i>Edit galeri</i>	46
Gambar 3. 43 <i>View Message</i>	47
Gambar 3. 44 <i>View Message</i>	47
Gambar 3. 45 <i>Add Message (a)Perusahaan Dan Admin (b) User</i>	48
Gambar 3. 46 <i>View Peta</i>	48
Gambar 3. 47 <i>Add Peta</i>	49
Gambar 3. 48 <i>Edit Peta</i>	49
Gambar 3. 49 <i>Home User</i>	49
Gambar 3. 50 <i>Data Pencarian</i>	50
Gambar 3. 51 <i>Terms And Conditions</i>	50
Gambar 4. 1 <i>Relationship Diagram</i>	51
Gambar 4. 2 <i>Menu Utama</i>	52
Gambar 4. 3 (a) tampilan home admin dan perusahaan, (b) tampilan home user	52
Gambar 4. 4 <i>Menu Login</i>	53
Gambar 4. 5 <i>Halaman Register</i>	53
Gambar 4. 6 <i>Halaman View Profile</i>	54
Gambar 4. 7 <i>Halaman Edit Profile</i>	54
Gambar 4. 8 <i>Halaman Change Password</i>	55
Gambar 4. 9 <i>Halaman View Bus</i>	55
Gambar 4. 10 <i>Halaman Add Bus</i>	55
Gambar 4. 11 <i>Halaman Edit Bus</i>	56
Gambar 4. 12 <i>Halaman View Detail Bus</i>	56
Gambar 4. 13 <i>Halaman Add Detail Bus</i>	57
Gambar 4. 14 <i>Halaman Edit Detail Bus</i>	57
Gambar 4. 15 <i>View Galeri</i>	58
Gambar 4. 16 <i>View Kota</i>	58
Gambar 4. 17 <i>Edit Penumpang</i>	58
Gambar 4. 19 <i>Halaman Add Message</i>	59
Gambar 4. 20 <i>Melihat message</i>	59
Gambar 4. 21 <i>Halaman View Peta</i>	59
Gambar 4. 22 <i>Halaman Add Peta</i>	60
Gambar 4. 23 <i>Halaman Edit Peta</i>	60

Gambar 4. 25 Halaman Menu Pencarina Rute	60
Gambar 4. 26 View Jalur terpendek	61
Gambar 4. 27 View Jalur Biaya Termurah	61
Gambar 4. 30 Terms and Conditions	61

DAFTAR TABEL

Table 2. 1 Notasi Activity.....	8
Table 2. 2 Candinality Relationship	9
Table 2. 3 <i>Tag HTML</i>	10