

ABSTRACT

Medical Faculty is one of faculties in Maranatha Christian University which uses SAT (Sistem Akademik Terpadu – Integrated Academic System) to process & manage their lecturing system. The Medical Faculty changed their lecturing system to Competence based curriculum since 2006.

Competence based curriculum divides related subjects into a group which is called 'Block'.

With the changes of learning system in Medical Faculty become to Competence based, there is a need for a new application in handling the system.

The purpose of this application is to help the Medical faculty staffs in processing student's grades, arranging student's schedules, and other related study activities. This application is also developed to ease students arranging their subjects in the next semesters, arranging their leaves, and also displaying their study schedule and grades.

DAFTAR ISI

LEMBAR PENGESAHAN	i
LEMBAR PERSETUJUAN PUBLIKASI KARYA ILMIAH	ii
LEMBAR ORISINALITAS KARYA.....	iii
KATA PENGANTAR.....	iv
ABSTRACT	v
DAFTAR ISI.....	vi
DAFTAR GAMBAR	ix
DAFTAR TABEL.....	xi
BAB 1 PENDAHULUAN	1
I.1 Latar Belakang.....	1
I.2 Peumusan Masalah	2
I.3 Tujuan.....	2
I.4 Batasan Masalah	3
I.5 Sistematika Pembahasan	3
BAB II DASAR TEORI.....	5
II.1 ASP.NET	5
II.1.1 Sejarah ASP.NET	5
II.1.2 STATE MANAGEMENT	6
II.1.2.1 Client-based State Management.....	6
II.1.3 Server-side based state management	8
II.2 USE CASE Diagram	10
II.3 ERD	12
BAB III ANALISA DAN PERANCANGAN.....	13
III.1 PROSEB BISNIS	13
III.2 ERD	14
III.3 Use Case Diagram	16
III.4 Activity Diagram.....	19
III.4.1 Activity: Melakukan Perwalian.....	19
III.4.2 Activity: Melihat Transkrip	21

III.4.3 Activity: Melihat DKBS	22
III.4.4 Activity: Melakukan Cuti	23
III.4.5 Activity: Mengolah Proyek Pendidikan	24
III.4.6 Activity: Mengatur Jadwal Kuliah	25
III.4.7 Activity: Mengolah Nilai	26
III.4.8 Activity: Mengolah User	27
III.4.9 Activity: Absen Mahasiswa.....	27
III.4.10 Activity: Mencetak DHMD	28
III.4.11 Activity: Mencetak DHU	29
III.4.12 Activity: Alokasi Mahasiswa	30
III.5 Class Diagram	31
III.6 Data Table	35
III.6.1 TABEL USER_SAT	35
III.6.2 TABEL AGAMA.....	36
III.6.3 TABEL MAHASISWA.....	36
III.6.4 TABEL STAFF	36
III.6.5 TABEL CUTI	37
III.6.6 TABEL Tahun Ajaran	37
III.6.7 TABEL Jadwal.....	38
III.6.8 TABEL JadwalMhs.....	39
III.6.9 TABEL BLOCK.....	39
III.6.10 TABEL BLOCKMHS.....	40
III.6.11 TABEL RUANG	41
III.6.12 TABEL Program Study.....	41
III.6.13 TABEL Temp Perwalian.....	41
III.6.14 TABEL Transkrip.....	42
III.7 Sketsa Tampilan	43
BAB IV HASIL TERCAPAI	45
IV.1 Login View	45
IV.2 Home	45
IV.3 Absen Mahasiswa	46

IV.4 Alokasi Mahasiswa.....	47
IV.5 Cetak DKBS	48
IV.6 Jadwal Perkuliahinan	49
IV.7 Cetak Transkrip dan Laporan Hasil Studi.....	49
IV.8 Paket Mahasiswa	50
IV.9 Uji Ulang Komponen	51
IV.10 Penilaian Mahasiswa.....	51
IV.11 Update IP	52
IV.12 Jadwal Kuliah Mahasiswa	52
IV.13 Transkrip Mahasiswa	52
IV.14 Cetak DHMD	54
IV.15 Cetak DHU	55
BAB V EVALUASI	56
V.1 FORM Login	56
V.2 FORM Absen Mahasiswa.....	56
V.3 FORM Alokasi Mahasiswa	57
V.4 FORM Cetak DKBS.....	57
V.5 FORM Jadwal Kuliah.....	57
V.6 FORM Cuti	58
V.7 FORM Cetak Laporan Hasil Studi.....	58
V.8 FORM Paket Mahasiswa.....	59
V.9 FORM Nilai Mahasiswa.....	59
V.10 FORM Cetak Transkrip	60
V.11 FORM Cetak DHMD.....	60
V.12 FORMCetah DHU	61
BAB VI KESIMPULAN DAN SARAN.....	62
6.1 KESIMPULAN.....	62
6.2 SARAN	63
DAFTAR PUSTAKA	64

DAFTAR GAMBAR

Gambar 1 Proses Application Object	9
Gambar 2 ERD Fakultas Kedokteran.....	15
Gambar 3 Use Case Diagram	17
Gambar 4 Activity: Melakukan Perwalian.....	20
Gambar 5Activity: Melihat Transkrip	21
Gambar 6Activity: Melihat DKBS.....	22
Gambar 7Activity: Melakukan Cuti	23
Gambar 8Activity: Mengolah Proyek Pendidikan	24
Gambar 9Activity: Mengatur Jadwal Kuliah.....	25
Gambar 10Activity: Mengolah Nilai	26
Gambar 11Activity: Mengolah User.....	27
Gambar 12Activity: Absen Mahasiswa.....	28
Gambar 13Activity: Mencetak DHMD.....	29
Gambar 14Activity: Mencetak DHU.....	30
Gambar 15Activity: Alokasi Mahasiswa	31
Gambar 16Sketsa Login.....	43
Gambar 17Sketsa Home Staf	43
Gambar 18Sketsa Home Mahasiswa.....	43
Gambar 19Login View	45
Gambar 20Home View	46
Gambar 21Absen Mahasiswa	46
Gambar 22Absen Mahasiswa 2	47
Gambar 23Alokasi Mahasiswa.....	47
Gambar 24Cetak DKBS	48
Gambar 25 Cetak DKBS 2	48
Gambar 26 Jadwal Kuliah	49
Gambar 27 Cetak Transkrip dan Laporan Hasil Studi.....	49
Gambar 28 Paket Mahasiswa	50
Gambar 29 Paket Mahasiswa NRP	50

Gambar 30 Uji Ulang Komponen	51
Gambar 31 Penilaian Mahasiswa.....	51
Gambar 32 Update IP	52
Gambar 33 Jadwal Kuliah Mahasiswa	52
Gambar 34 Transkrip Mahasiswa	53
Gambar 35 Cetak DHMD	54
Gambar 36 Cetak DHU	55
Gambar 37 Cetak DHU 2	55

DAFTAR TABEL

Table 1. ERD	12
Table 2. TABEL USER_SAT	35
Table 3. TABEL AGAMA.....	36
Table 4. TABEL MAHASISWA.....	36
Table 5. TABEL STAFF.....	36
Table 6. TABEL CUTI.....	37
Table 7. TABEL Tahun Ajaran	37
Table 8. TABEL Jadwal.....	38
Table 9. TABEL JadwalMhs	39
Table 10. TABEL BLOCK.....	39
Table 11. TABEL BLOCKMHS.....	40
Table 12. TABEL RUANG	41
Table 13. TABEL Program Study	41
Table 14. TABEL Temp Perwalian	41
Table 15.TABEL Transkrip	42
Table 16. Evaluasi FORM Login	56
Table 17. Evaluasi FORM Absen Mahasiswa	56
Table 18. Evaluasi FORM Alokasi Mahasiswa.....	57
Table 19. Evaluasi FORM Cetak DKBS	57
Table 20. Evaluasi FORM Jadwal Kuliah.....	57
Table 21. Evaluasi FORM Cuti.....	58
Table 22. Evaluasi FORM Cetak Laporan Hasil Studi	58
Table 23. Evaluasi FORM Paket Mahasiswa	59
Table 24. Evaluasi FORM Nilai Mahasiswa	59
Table 25. Evaluasi FORM Cetak Transkrip.....	60
Table 26. Evaluasi FORM Cetak DHMD	60
Table 27. Evaluasi FORMCetah DHU.....	61