

DAFTAR ISI

KATA PENGANTAR	i
DAFTAR ISI	iii
DAFTAR GAMBAR	vi
DAFTAR TABEL	vii
BAB I PENDAHULUAN	1
1.1. Latar Belakang Masalah.....	1
1.2. Rumusan Masalah	3
1.3. Batasan Masalah	3
1.4. Tujuan Penelitian	4
1.5. Manfaat Penelitian	4
1.6. Metodologi Penelitian.....	5
1.7. Sistematika Penulisan.....	7
BAB II LANDASAN TEORI	10
2.1. Definisi Sistem.....	10
2.2. Definisi Data	11
2.3. Pengembangan Sistem	11
2.3.1. Definisi	11
2.3.2. Hal Mendasar	12

2.3.3. Kegunaan Model	13
2.3.4. Pengembangan Orientasi Objek	14
2.3.5. Rational Unified Process (RUP).....	16
2.3.5.1. Disiplin	17
2.3.5.2. Fase-fase	20
2.3.5.3. Peran Use Case Pada setiap Fase.....	21
2.3.6. Unified Model Language (UML).....	22
2.3.6.1. Artifact.....	23
2.3.6.2. Tujuan.....	24
2.3.6.3. Notasi.....	25
2.3.7. Diagram Model.....	28
2.3.7.1. Activity Diagram	28
2.3.7.2. Use Case Diagram	30
2.3.7.3. Sequence Diagram.....	32
2.3.7.4. Class Diagram.....	33
2.3.7.5. Collaboration Diagram	35
2.3.7.6. Component Diagram.....	36
2.3.7.7. Deployment Diagram	36
2.3.7.8. Package.....	36
2.3.8. Model Analisis	37
2.4. Basis data	39
2.4.1. DBMS.....	40

2.5. Teori Lain.....	40
2.5.1. Teknologi SMS.....	40
2.5.2. SMS Gateway.....	41
2.5.3. Delphi	42
2.5.4. Firebird	44
2.5.5. Polling	47
2.5.6. Menentukan Nilai Mutu	49
BAB III KEBUTUHAN SISTEM	51
3.1 Kebutuhan Sistem	51
3.1.1 Deskripsi Prosedur Master Data	51
3.1.2 Deskripsi Prosedur Polling.....	54
3.1.3 Deskripsi Prosedur Penilaian.....	57
3.1.4 Deskripsi Prosedur Registrasi	59
3.2. Proses Bisnis	60
3.2.1 Business Use Case diagram.....	60
3.2.2 Business Object Diagram	61
3.2.2.1 Business Object Diagram Master Data.....	61
3.2.2.2 Business Object Diagram Polling.....	61
3.2.2.3 Business Object Diagram Penilaian	62
3.2.2.4 Business Object Diagram Registrasi	63
3.2.3 Business Activity Diagram.....	63

3.2.3.1 Business Activity Diagram Master Data	63
3.2.3.2 Business Activity Diagram Polling	64
3.2.3.3 Business Activity Diagram Penilaian	65
3.2.3.4 Business Activity Diagram Registrasi	66
3.3. Kebutuhan Perangkat Lunak	66
3.3.1 Deskripsi Kebutuhan	66
3.3.1.1 Antar Muka	66
3.3.1.2 Fungsional	67
3.3.2 Use Case Diagram	69
3.3.3 Skenario	71
3.3.3.1 Skenario Use Case Master Data	72
3.3.3.2 Skenario Use Case Polling	84
3.3.3.3 Skenario Use Case Penilaian	100
3.3.3.4 Skenario Use Case Registrasi	103
BAB IV ANALISIS DAN PERANCANGAN SISTEM	104
4.1. Analisis	104
4.1.1 Identifikasi Kelas	104
4.1.2 Diagram Kolaborasi	108
4.1.2.1 Diagram Kolaborasi Master Data	108
4.1.2.2 Diagram Kolaborasi Polling	115
4.1.2.3 Diagram Kolaborasi Penilaian	127

4.1.2.4 Diagram Kolaborasi Registrasi.....	128
4.1.3 Diagram Kelas.....	129
4.2 Perancangan	133
4.2.1 Sequence Diagram.....	133
4.2.1.1 Sequence Diagram Master Data	134
4.2.1.2 Sequence Diagram Polling	144
4.2.1.3 Sequence Diagram Penilaian	159
4.2.1.4 Sequence Diagram Registrasi	161
4.2.2 Diagram Deployment	162
4.2.3 Diagram Component	162
4.2.4 Diagram Spesifikasi Kelas	162
4.2.5 Tabel Spesifikasi Kelas	168
4.3 Perancangan Database.....	172
4.3.1 Physical Data Model	172
4.3.2 Deskripsi Tabel.....	173
BAB V IMPLEMENTASI DAN PENGUJIAN.....	178
5.1 Implementasi.....	178
5.1.1 Lingkungan Implementasi.....	178
5.1.2 Batasan Implementasi	179
5.1.3 Implementasi User Inteface.....	179
5.2 Pengujian.....	188

5.2.1 Pengujian Aplikasi	188
5.2.2 Kasus Yang Diujikan	189
5.2.3 Identifikasi dan Rencana Pengujian	189

BAB VI PENUTUP **193**

6.1 Kesimpulan	193
----------------------	-----

6.2 Saran.....	194
----------------	-----

DAFTAR PUSTAKA

