

DAFTAR ISI

LAPORAN TUGAS AKHIR.....	i
LAPORAN TUGAS AKHIR.....	ii
HALAMAN PENGESAHAN.....	iii
PERNYATAAN.....	iv
PRAKATA.....	v
DAFTAR ISI.....	vii
DAFTAR GAMBAR.....	xi
DAFTAR TABEL.....	xv
INTISARI.....	xvi
ABSTRACT.....	xvii
BAB I PENDAHULUAN.....	1
1.1 Latar Belakang.....	1
1.2 Rumusan Masalah.....	2
1.3 Batasan Masalah.....	2
1.4 Tujuan Penelitian.....	2
1.5 Manfaat Penelitian.....	2
1.6 Metodologi Penelitian.....	3
1.7 Sistematika Penulisan.....	4
BAB II TINJAUAN PUSTAKA.....	6
BAB III LANDASAN TEORI.....	10
3.1 Sistem.....	10
3.1.1 Elemen sistem.....	10
3.1.2 Karakteristik sistem.....	10
3.2 Siklus Pengembangan Sistem.....	12
3.2.1 Perencanaan sistem.....	13
3.2.2 Analisis sistem.....	13
3.2.3 Desain sistem.....	14
3.2.4 Implementasi sistem.....	17

3.2.5 Pengujian sistem.....	19
3.3 Basis Data.....	19
3.3.1 Konsep basis data.....	20
3.3.2 Basis data Realm.....	20
3.4 Aplikasi Mobile.....	20
3.5 iOS.....	21
3.6 Application Programming Interface (API).....	21
3.1.1 Qiscus API.....	22
3.7 JavaScript Object Notation (JSON).....	23
3.8 Model-View-Controller Pattern.....	24
3.9 Perangkat pengembangan.....	25
3.9.1 Xcode.....	26
3.9.2 SketchApp.....	26
3.9.3 Swift.....	27
3.9.2 Cocoapods.....	28
3.10 Sekilas Qiscus.....	27
BAB IV ANALISIS DAN PERANCANGAN SISTEM.....	29
4.1 Analisis Sistem.....	28
4.1.1 Analisis masalah.....	29
4.1.2 Analisis pengguna sistem.....	30
4.1.3 Analisis kebutuhan fungsional.....	30
4.1.4 Analisis kebutuhan non fungsional.....	31
4.2 Perancangan Sistem.....	32
4.2.1 Perancangan basis data.....	32
4.2.2 Perancangan proses.....	35
4.2.3 Perancangan struktur menu.....	43
4.2.4 Perancangan antarmuka pengguna.....	46
BAB V IMPLEMENTASI SISTEM.....	55
5.1 Implementasi Perangkat Lunak Sistem.....	55
5.2 Implementasi Antarmuka.....	55

5.2.1 Halaman Login.....	56
5.2.2 Halaman Utama atau home.....	59
5.2.3 Halaman New Company.....	62
5.2.4 Halaman Company Team Detail.....	64
5.2.5 Halaman Team Member.....	67
5.2.6 Halaman New Team Member.....	69
5.2.7 Halaman set Admin dan Delete Admin.....	70
5.2.8 Halaman User Approval.....	71
5.2.9 Halaman Statistics.....	73
5.2.10 Halaman Rooms.....	75
5.2.11 Halaman Room Member.....	76
5.2.12 Halaman Topics.....	78
5.2.13 Halaman Team Profile.....	79
5.2.14 Halaman Member Profile.....	81
5.3 Implementasi API Request.....	82
5.3.1 Implementasi API Request Login.....	82
5.3.2 Implementasi API Request Load Company.....	83
5.3.3 Implementasi API Request Invite People.....	83
5.3.4 Implementasi API Request Load Member.....	83
5.3.5 Implementasi API Request Set Admin.....	84
5.3.6 Implementasi API Request Delete Admin.....	84
5.3.7 Implementasi API RequestLoad Pending Approval.....	85
5.3.8 Implementasi API Request Add Company.....	85
5.3.9 Implementasi API RequestLoad Data Chart.....	86
5.3.10 Implementasi API Request Load Rooms.....	87
5.3.11 Implementasi API Request Invite People to Room.....	87
5.3.12 Implementasi API Request Load Topic.....	88
5.3.13 Implementasi API Request New Room.....	88
5.4 Implementasi Basis Data.....	89

5.4.1 Implementasi Basis Data Company.....	89
5.4.2 Implementasi Basis Data Member.....	90
5.4.3 Implementasi Basis Data Room.....	90
5.4.4 Implementasi Basis Data Comment.....	91
5.4.5 Implementasi Basis Data Tpoic.....	91
BAB VI PENGUJIAN DAN PEMBAHASAN.....	92
6.1 Skenario Pengujian.....	92
6.2 Uji Kasus dan Hasil Pengujian.....	93
6.2.1 Pengujian Masuk Sistem.....	93
6.2.2 Pengujian Add Company.....	95
6.2.3 Pengujian Add Member.....	96
6.2.4 Pengujian Set Admin.....	98
6.2.5 Pengujian Delete Admin.....	99
6.2.6 Pengujian Chart.....	101
6.2.7 Pengujian New Room.....	101
6.2.8 Pengujian Invite Room Member.....	102
6.2.9 Pengujian Topic.....	104
6.2.10 Pengujian Delete Company Team.....	104
6.2.11 Pengujian Profile Company Team.....	105
6.2.12 Pengujian Profile Company Team.....	106
6.3 Hasil Pengujian.....	107
BAB VII KESIMPULAN DAN SARAN.....	109
7.1 Kesimpulan.....	109
7.2 Saran.....	109
DAFTAR PUSTAKA.....	110
LAMPIRAN.....	112