

DAFTAR ISI

HALAMAN JUDUL	i
HALAMAN PENGESAHAN PEMBIMBING	ii
HALAMAN PENGESAHAN PENGUJI	iii
KATA PENGANTAR	iv
DAFTAR ISI	vi
DAFTAR GAMBAR	x
DAFTAR TABEL	xiii
DAFTAR MODUL	xiv
ABSTRAKSI	xv
BAB I PENDAHULUAN.....	1
1.1 Latar Belakang Masalah	1
1.2 Rumusan Masalah	2
1.3 Batasan Masalah	2
1.4 Tujuan Penelitian	2
1.5 Manfaat Penelitian	3
1.6 Metodologi Penelitian	3
1.7 Sistematika Penulisan	3
BAB II DASAR TEORI.....	5
2.1 Aplikasi	5
2.2 Metode Guidelines for Rapid Application Engineering (GRAPPLE)	6
2.3 Unified Modelling Language (UML)	7
2.3.1 Use Case Diagram	8
2.3.2 Notasi-Notasi Use Case Diagram	8
2.3.3 Activity Diagram	9
2.3.4 Notasi-Notasi Activity Diagram	9
2.3.5 Sequence Diagram	10
2.3.6 Notasi-Notasi Sequence Diagram	11
2.3.7 Class Diagram	11
2.3.8 Notasi-Notasi Class Diagram	12
2.4 Extensible Markup Language (XML)	13
2.5 Graphical User Interface (GUI)	13
2.6 Basis Data	13
2.6.1 Hirarki Data	17
2.6.2 Model Data	17
2.6.2.1 Model Object-Based Logical	17
2.6.2.1.1 Model Entity-Relationship (E-R)	18
2.6.2.1.1.1 Tipe Binary Relationship	20
2.6.2.1.1.2 Model Object-Oriented (O-O)	21
2.6.2.2 Model Record-Based Logical	22
2.6.2.2.1 Model Relational	22
2.6.2.2.2 Model Network	24
2.6.2.2.3 Model Hirarki	24
2.6.2.3 Model Physical Data	25

2.7 Bahasa C#	25
2.7.1 Sejarah Bahasa C#	26
2.7.2 Tujuan Desain Bahasa C#	28
2.8 .NET	29
2.8.1 .Net Framework	30
2.8.1.1 Common Language Reference (CLR)	30
2.8.1.2 Base Class Libraries (BCL) atau Framework Class Libraries (FCL)	30
2.9 Database Manager	31
2.10 Microsoft Visual Studio 2010	31
2.11 XAMPP	32
2.12 PHP MyAdmin	33
2.13 My Structure Query Language (MySQL)	33
2.14 MySQL Connector .Net	34
2.15 StarUML	34
2.16 Server	35
2.17 Studi Pustaka	35
BAB III ANALISIS DAN PERANCANGAN.....	37
3.1 Arsitektur Sistem	37
3.2 Analisis Sistem	38
3.2.1 Use Case Diagram	39
3.2.2 Activity Diagram	40
3.2.2.1 Activity Diagram Connect Server	40
3.2.2.2 Activity Diagram Create Database	41
3.2.2.3 Activity Diagram Create Table	41
3.2.2.4 Activity Diagram Create View	43
3.2.2.5 Activity Diagram SQL Editor	44
3.2.2.6 Activity Diagram Edit Data	45
3.2.2.7 Activity Diagram Find Object	46
3.2.2.8 Activity Diagram Show Data	46
3.2.2.9 Activity Diagram Alter Table	47
3.2.2.10 Activity Diagram Show Design	48
3.2.2.11 Activity Diagram Export Database	48
3.2.2.12 Activity Diagram Import Database	49
3.2.2.13 Activity Diagram View Help	50
3.2.2.14 Activity Diagram About	50
3.2.3 Sequence Diagram	51
3.2.3.1 Sequence Diagram Connect Server	51
3.2.3.2 Sequence Diagram Create Database	53
3.2.3.3 Sequence Diagram Create Table	54
3.2.3.4 Sequence Diagram Create View	55
3.2.3.5 Sequence Diagram SQL Editor	56
3.2.3.6 Sequence Diagram Edit Data	57
3.2.3.7 Sequence Diagram Find Object	58
3.2.3.8 Sequence Diagram Show Data	59
3.2.3.9 Sequence Diagram Alter Table	59
3.2.3.10 Sequence Diagram Show Design	60
3.2.3.11 Sequence Diagram Export Database	61
3.2.3.12 Sequence Diagram Import Database	62

3.2.3.13 Sequence Diagram View Help	63
3.2.3.14 Sequence Diagram About	63
3.2.4 Class Diagram	64
3.2.4.1 Class Diagram FrmCreateDB	64
3.2.4.2 Class Diagram FrmCreateTable	64
3.2.4.3 Class Diagram FrmCreate View	65
3.2.4.4 Class Diagram FrmEditor	65
3.2.4.5 Class Diagram FrmConnect	66
3.2.4.6 Class Diagram FrmSearchData	66
3.2.4.7 Class Diagram FrmShowData	66
3.2.4.8 Class Diagram Program	67
3.2.4.9 Class Diagram Crypto	67
3.2.4.10 Class Diagram DataModel	67
3.2.4.11 Class Diagram FrmMySQLEMHome	67
3.2.4.12 Class Diagram FrmHelp	68
3.2.4.13 Class Diagram FrmAbout	68
3.3 Perancangan (Design)	69
3.3.1 Perancangan Antarmuka (Interface) Halaman Utama	69
3.3.2 Perancangan Antarmuka (Interface) Connect Server	69
3.3.3 Perancangan Antarmuka (Interface) Create Database	70
3.3.4 Perancangan Antarmuka (Interface) Create Table	72
3.3.5 Perancangan Antarmuka (Interface) Create View	73
3.3.6 Perancangan Antarmuka (Interface) SQL Editor	75
3.3.7 Perancangan Antarmuka (Interface) Edit Data	76
3.3.8 Perancangan Antarmuka (Interface) Find Object	77
3.3.9 Perancangan Antarmuka (Interface) Show Data	77
3.3.10 Perancangan Antarmuka (Interface) Alter Table	78
3.3.11 Perancangan Antarmuka (Interface) Show Design	78
3.3.12 Perancangan Antarmuka (Interface) Export Database	79
3.3.13 Perancangan Antarmuka (Interface) Import Database	80
3.3.14 Perancangan Antarmuka (Interface) View Help	81
3.3.15 Perancangan Antarmuka (Interface) About.....	81
BAB IV IMPLEMENTASI	82
4.1 Analisis Kebutuhan Hardware	82
4.2 Analisis Kebutuhan Software	82
4.3 Implementasi Aplikasi Pengelola Database MySQL Berbasis GUI.....	83
4.3.1 Implementasi Halaman Utama	83
4.3.2 Implementasi Connect Server	84
4.3.3 Implementasi Create Database	85
4.3.4 Implementasi Create Table	86
4.3.5 Implementasi Create View	88
4.3.6 Implementasi SQL Editor	90
4.3.7 Implementasi Edit Data	91
4.3.8 Implementasi Find Object	92
4.3.9 Implementasi Show Data	93
4.3.10 Implementasi Alter Table	94
4.3.11 Implementasi Show Design	95
4.3.12 Implementasi Export Database	96

4.3.13 Implementasi Import Database	97
4.3.14 Implementasi View Help	99
4.3.15 Implementasi About	100
BAB V PENUTUP	
5.1 Kesimpulan	101
5.2 Saran	101
DAFTAR PUSTAKA	102