

## DAFTAR ISI

Abstrak .....	i
Kata Pengantar .....	ii
Daftar Isi .....	iv
Daftar Tabel .....	vi
Daftar Gambar .....	viii
<b>BAB I PENDAHULUAN .....</b>	<b>1</b>
1.1 Latar Belakang .....	1
1.2 Rumusan Masalah .....	3
1.3 Tujuan .....	3
1.4 Batasan Masalah .....	4
1.5 <i>State of the art</i> .....	4
1.6 Metode Penelitian .....	5
1.7 Sistematika Penulisan .....	8
<b>BAB II LANDASAN TEORI .....</b>	<b>10</b>
2.1 Wikipedia .....	10
2.2 Ilmu biologi .....	11
2.3 <i>World Wide Web</i> .....	11
2.4 <i>Web application client side</i> .....	12
2.4.1 <i>HTML</i> .....	12
2.4.2 <i>CSS (Cascading Style Sheet)</i> .....	12
2.4.3 <i>Jquery Mobile</i> .....	13
2.5 <i>Web application server side</i> .....	13
2.5.1 <i>PHP</i> .....	12
2.6 Basis data .....	14
2.6.1 <i>Definisi</i> .....	14
2.6.2 <i>Class diagram</i> .....	15
2.6.3 <i>Multiplicity</i> .....	19
2.6.4 <i>Database managemen system (DBMS)</i> .....	20
2.7 Pemodelan .....	22
2.7.1 <i>Rational Unified Process</i> .....	23
2.7.2 <i>Unified Model Language (UML)</i> .....	23

BAB III ANALISA DAN PERANCANGAN.....	27
3.1 Analisis .....	27
3.1.1 Analisis Kebutuhan Fungsional.....	27
3.1.2 Analisis aktor.....	28
3.1.3 Analisis <i>Use Case</i> .....	28
3.1.3.1 <i>Skenario use case Wikipedia ilmu biologi</i> .....	31
3.1.4 Analisis <i>Business Activity Diagram</i> .....	45
3.2 Perancangan sistem .....	60
3.2.1 Diagram <i>sequence</i> .....	61
3.2.2 <i>Class digram</i> dan perancangan table .....	69
3.2.2.1 <i>Class diagram</i> .....	69
3.2.2.2 Perancangan <i>table</i> .....	71
3.2.3 Perancangan <i>interface</i> .....	74
3.2.3.1 <i>Interface front-end</i> .....	74
3.2.3.2 <i>Interface back-end</i> .....	79
BAB IV IMPLEMENTASI DAN PENGUJIAN .....	85
4.1 <i>Implementasi system</i> .....	85
4.1.1 Proses pemasangan.....	87
4.1.2 <i>Implementasi user interface</i> .....	90
4.1.2.1 <i>User interface front-end</i> .....	90
4.1.2.2 <i>User interface back-end</i> .....	97
4.2 Pengujian Sistem.....	107
BAB V KESIMPULAN DAN SARAN.....	116
5.1 Kesimpulan.....	116
5.2 Saran.....	117
DAFTAR PUSTAKA	
LAMPIRAN	