WEB APPLICATION FOR SCHOOL MANAGEMENT SYSTEM IN INTERNATIONAL COLLAGE BOHAI UNIVERSITY

RIDHO ENGLA DUSAL
41509010010

INFORMATICS ENGINEERING DEPARTMENT
FACULTY OF COMPUTER SCIENCE
MERCUBUANA UNIVERSITY
JAKARTA
2013

http://digilib.mercubuana.ac.id/

UNIVERSITAS
MERCU BUANA

WEB APPLICATION FOR SCHOOL MANAGEMENT SYSTEM IN INTERNATIONAL COLLAGE BOHAI UNIVERSITY

Final Project

Proposed As One of Requirements to Obtain a Bachelor

Degree of Computer Science

UNIVERSITAS
MERCU BUANA

By:

RIDHO ENGLA DUSAL
41509010010

INFORMATIC ENGINEERING DEPARTMENT
FACULTY OF COMPUTER SCIENCE
MERCUBUANA UNIVERSITY
JAKARTA
2013

http://digilib.mercubuana.ac.id/

STATEMENT FOR OWN WORKS

The undersigned below:

Name	: Ridho Engla Dusal
NIM	: 41509010010
Thesis Title	: Web Application for School Management System in International Collage Bohai University

State that this final project is my own work. If I take a quote from the others, then I will attach the source according to obtain provision. I'm willing to get a punishment with cancellation this final project if there is proven doing plagiarism.

Thus I made this statement with actual condition.

UNIVERSITAS MERCU BUANA

Jakarta, November 14th 2013

Ridho Engla Dusal

http://digilib.mercubuana.ac.id/

VALIDATION FINAL PROJECT SHEET

Name	: Ridho Engla Dusal
NIM	: 43209010035
Study Program	: Computer Science
Thesis Title	: Web Application for School Management System in International Collage Bohai University

This thesis has been inspected and approved for final hearing

Jakarta, November 14th 2013

Tri Daryanto S.Kom.,MT
Preceptor Final Project

UNIVERSITAS
MERCU BUANA

Sabar Rudiarto S.Kom.,M.Kom
Coordinator Final Project

Tri Daryanto S.Kom.,MT
Head Department of Informatic Engineering

http://digilib.mercubuana.ac.id/

CONTENTS

STATEMENT FOR OWN WORKS i

VALIDATION FINAL PROJECT SHEET ii

ACKNOWLEDGEMENTS iii

ABSTRACT iv

CONTENTS v

PICTURE CONTENTS viii

TABLE CONTENTS x

CHAPTER I INTRODUCTION

1.1. Background 1

1.2. Problem Discussion 2

1.3. Purpose and Benefit 2

1.4. Limitations of Study 3

1.5. Research 3

1.6. Writing Structure 4

CHAPTER II THEORETICAL BASIS

2.1. History of Bohai University 7

2.2. Definition of Internet 8

2.3. Definition of Website 9

2.4. Definition of Apache 10

2.5. Definition of HTML 11

2.6. Definition of PHP 12

2.7. Definition of Flowchart 13

UNIVERSITAS MERCU BUANA

http://digilib.mercubuana.ac.id/

2.7.1. Flowchart Symbols 14

2.8. Definition of Database 15

2.9. Entity Relationship Diagram 16

2.10. Definition of SQL 17

2.11. Software Testing Methods 18

2.11.1. Black Box Testing 19

CHAPTER III REQUIREMENT ANALYSIS AND DESIGN

3.1. Public 21

3.2. Users Requirements 21

3.2.1. Public User Requirements 22

3.2.2. Student Requirements 22

3.2.3. Teacher Requirements 23

3.2.4. Leader Requirements 24

3.3. Design 24

3.3.1. Function Design 24

3.3.2. Database Design 25

3.3.3. Login Schema 29

3.3.4. Website Interface Plan 30

CHAPTER IV IMPLEMENTATION AND TEST

4.1. Implementation 37

4.1.1. Hardware Requirements 37

4.1.2. Software Requirements 37

http://digilib.mercubuana.ac.id/

4.2. Implementation Process 38

4.2.1. Create Database 38

4.2.2. Create Tables 39

4.2.3. Implementation Web Interface Plan 42

4.3 Test 71

4.4 Analysis of Test Results 73

CHAPTER V CONCLUSION

5.1 Concluding Remarks 75

5.2 Recommendations 75

REFERENCES 77

ATTACHMENT 78

UNIVERSITAS
MERCU BUANA

http://digilib.mercubuana.ac.id/

PICTURE CONTENTS

Picture		Page
1.1	Waterfall Model	4
2.1	HTML Sample	12
2.4	Black Box Diagram	20
3.1	Website Stucture	27
3.2	E/R Diagram	27
3.4	Database Relation	28
3.11	Login Schema	30
3.12	Index Page Plan	31
3.13	Register Page Plan	32
3.14	Login Page Plan	32
3.15	Student Page Plan	33
3.16	Teacher Page Plan	33
3.17	Send Comment Page Plan	34
3.18	Student Score Page Plan	34
4.1	Database Manager	36
4.2	Login Table	37
4.3	Register Table	37
4.4	Subject Table	38
4.5	Teacher Table	38
4.6	Student Score Table	39
4.7	Message Table	39
4.8	Index Page	40
4.9	About Page	41

UNIVERSITAS MERCU BUANA

http://digilib.mercubuana.ac.id/

4.10 Course List Page 41
4.11 Contact Page..... 42
4.12 Galery Page 43
4.13 Comment Page 44
4.14 Register Page..... 45
4.15 Invalid E-Mail Address Format 46
4.16 Login Page 47
4.17 Student Page..... 48
4.18 Edit Student Information Page 49
4.19 Change Password Page 50
4.20 Delete Student Information 51
4.21 Student Score Page..... 52
4.22 Teacher Page 53
4.23 Edit Student Info by Teacher Page..... 54
4.24 Delete Student Acount by Teacher Page..... 55
4.25 Add New Student Page 55
4.26 Check New User 57
4.27 Accept New Student..... 58
4.28 Course List Page 58
4.29 Insert New Subject Page 59
4.30 Update Course Information Page 60
4.31 Insert Student Score Page 61
4.32 Score Not in Rang NotificationPage 62
4.33 Leader Page..... 63
4.34 Connector Page 64

UNIVERSITAS MERCU BUANA

http://digilib.mercubuana.ac.id/

TABLE CONTENTS

Table		Page
2.2	Flowchart Symbols	15
2.3	Entity Relationship Symbols	23
3.5	Registration Table	28
3.6	Login Table	29
3.7	Teacher Table	29
3.8	Subject Table	29
3.9	Student Score Table	29
3.10	Message Table	30
4.35	Testing Table	65

UNIVERSITAS
MERCU BUANA

http://digilib.mercubuana.ac.id/