

BORANG PENGESAHAN STATUS TESIS

JUDUL: KINDERGARTEN MANAGEMENT SYSTEM (SKMS)

SESI PENGAJIAN: 2009/2010

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SURIA KINDERGARTEN MANAGEMENT SYSTEM

LEONG SOON MAY

**This report is submitted in partial fulfillment of the requirements for the Bachelor of
Computer Science (Database Management)**

**FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
UNIVERSITI TEKNIKAL MALAYSIA MELAKA**

2010

DECLARATION

I hereby declare that this project report entitled
SURIA KINDERGARTEN MANAGEMENT SYSTEM
(SKMS)

Is written by me and is my own effort and that no part has been plagiarized without citations.

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DEDICATION

To my beloved family who always encouraging my highest hope and praising my small
success

CHAN CHOW LAN
LEONG SOON JIANG
LEONG SOON YOOU
LEONG SOON FATT

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ABSTRACT

Suria Kindergarten Management System (SKMS) is developed primarily to help teachers of Tadika Seri Pelangi Suria to manage and handle operation in a faster, easily and effectively way. SKMS provide a better data storage space for the kindergarten. The system is developed using Microsoft Visual Basic 2005 as the programming language. Microsoft SQL Server 2005 is the database that keeps all the related information about the system. By using the system teacher can save their time, efforts and money. The system is able to help the teachers in managing and searching student information, collecting payment and generating receipt, checking payment status, grading and retrieving reports. Beside that, backup and restore function also providing by the system.

ABSTRAK

Suria Kindergarten Management System (SKMS) dikembangkan terutamanya untuk membantu guru daripada Tadika Seri Pelangi Suria untuk mengurus dan mengendalikan operasi dengan cara yang cepat, mudah dan berkesan. SKMS menyediakan ruang simpanan data yang lebih baik untuk tadika ini. Sistem ini dibangunkan menggunakan Microsoft Visual Basic 2005 sebagai bahasa pengaturcaraan. Microsoft SQL Server 2005 adalah database yang menyimpan semua maklumat berkaitan tentang sistem. Dengan menggunakan sistem ini, guru boleh menjimatkan masa, usaha dan wang mereka. Sistem ini dapat membantu guru dalam pengurusan dan pencarian maklumat pelajar, pengumpulan bayaran dan cetakan resit, menyemak status bayaran, grading serta mengambil laporan. Selain itu, fungsi backup dan pemulihan pangkalan data juga diberikan oleh system ini.

TABLE OF CONTENTS

CHAPTER	SUBJECT	PAGE
	DECLARATION	ii
	DEDICATION	iii
	ACKNOWLEDGEMENTS	iv
	ABSTRACT	v
	ABSTRAK	vi
	TABLE OF CONTENTS	vii
	LIST OF TABLES	xiii-xvi
	LIST OF FIGURES	xvii-xviii
	LIST OF ABBREVIATIONS	xix
	LIST OF ATTACHMENTS	xx
CHAPTER I	INTRODUCTION	
1.1	Project Background	1
1.2	Problem Statement	2
1.3	Objective	2
1.4	Scope	3
1.5	Project Significance	3
1.6	Expected Output	4
1.7	Conclusion	4

CHAPTER II	LITERATURE REVIEW AND PROJECT METHODOLOGY	
2.1	Introduction	5
2.2	Facts and Findings	5
	2.2.1 Domain	5-6
	2.2.2 Existing System	6
	2.2.2.1 Case Study 1: TechBase Edu Education Center Management System	7
	2.2.2.2 Case Study 2: ENOV8 School Management System (SPS)	7-8
	2.2.2.3 Case Study 3: Integrated School Management System (ISM)	8-9
	2.2.3 Technique	9
2.3	Project Methodology	9-10
	2.3.1 Feasibility	10
	2.3.2 Analysis	11
	2.3.3 Design	11
	2.3.4 Implementation	11
	2.3.5 Testing	11-12
	2.3.6 Maintenance	12
2.4	Project Requirements	12
	2.4.1 Software Requirement	12
	2.4.2 Hardware Requirement	12
2.5	Project Schedule and Milestone	13
2.6	Conclusion	13

CHAPTER III ANALYSIS

3.1	Introduction	14
3.2	Problem analysis	14-15
	3.2.1 Problem Statement	16
3.3	Requirement Analysis	17
	3.3.1 Data Requirement	17
	3.3.2 Functional Requirement	17-23
	3.3.3 Non-functional requirement	24
	3.3.4 Other requirement	25
3.4	Conclusion	25

CHAPTER IV DESIGN

4.1	Introduction	26
4.2	High-Level Design	26
	4.2.1 System Architecture	26-27
	4.2.2 User Interface Design	28
	4.2.2.1 Navigation Design	28-30
	4.2.2.2 Input Design	31
	4.2.2.3 Output Design	35
	4.2.3 Database Design	35
	4.2.3.1 Conceptual Design	35
	4.2.3.1.1 ERD and Business Rule	36
	4.2.3.1.2 Data Dictionary	39
	4.2.3.1.3 Database Selection	40
4.3	Detailed Design	40
	4.3.1 Software Specification	40-41
	4.3.2 Physical Database Design	42

	4.3.2.1 Database Creation	42
	4.3.2.2 Table Creation	42-43
	4.3.2.3 Security Mechanism Design	43-44
	4.3.2.4 Create User	44
	4.3.2.5 Database Contingency	45
4.4	Conclusion	45-46

CHAPTER V IMPLEMENTATION

5.1	Introduction	47
5.2	Software Development Environment Setup	47
	5.2.1 Software Environment Architecture	47-48
	5.2.1.1 Software Development Tool	48
	5.2.1.1.1 Microsoft Visual Basic 2005	48-49
	5.2.1.2 Database Development Tool	49
	5.2.1.2.1 Microsoft SQL Server 2005	49
5.3	Database Implementation	49
	5.3.1 Data Access	49-53
5.4	Software Configuration Management	54
	5.4.2 Version Control Procedure	54-55
5.5	Implementation Status	55-56
5.6	Conclusion	56-57

CHPATER VI TESTING

6.1	Introduction	58
6.2	Test plan	58
	6.2.1 Test Organization	59
	6.2.2 Test Environment	59
	6.2.3 Test Schedule	59
6.3	Test Strategy	60
	6.3.1 Classes of Tests	60
	6.3.1.1 White Box Test	60
	6.3.1.2 Black Box Test	61
	6.3.1.3 Performance Test	61
	6.3.1.4 Security Test	61
	6.3.1.5 Acceptance Test	61
6.4	Test Design	62
	6.4.1 Test Design	62
	6.4.2 Test Data	62
6.5	Test Result and Analysis	62
6.6	Conclusion	63

CHPATER VII PROJECT CONCLUSION

7.1	Observation on Weaknesses and Strengths	64
	7.1.1 Strengths	64-65
	7.1.2 Weaknesses	65-66
7.2	Propositions for Improvement	66
7.3	Contribution	66
7.4	Conclusion	66-67

REFERENCES	68
BIBLIOGRAPHY	69

LIST OF TABLES

TABLE	TITLE	PAGE
Table 2.1:	Project Schedule and Milestone	
Table 3.1:	Module Description	24
Table 4.1:	Description of Student Registration form interface design	77
Table 4.2:	Description of Staff form interface design	80
Table 4.3:	Description of New Payment form interface design	82
Table 4.4:	Description of Mark Entry form interface design	84
Table 4.5:	Description of Achievement form interface design	86
Table 4.6:	Description of Payment Record form interface design	88
Table 4.7:	Description of Login Form interface design	89
Table 4.8:	Description of Report Form interface design	91
Table 4.9;	Description of Class Form interface design	92
Table 4.10:	Description of Class Category Form interface design	93
Table 4.11:	Description of Subject Form interface design	94
Table 4.12:	Description of Exam Form interface design	95
Table 4.13:	Description of Grade Form interface design	96
Table 4.14:	Input Design	34
Table 4.15:	Staff Table Data Dictionary	99

Table 4.16:	Student Table Data Dictionary	100
Table 4.17:	Subject Table Data Dictionary	101
Table 4.18:	Exam Table Data Dictionary	101
Table 4.19:	Class Table Data Dictionary	102
Table 4.20:	Class Category Table Data Dictionary	102
Table 4.21:	Class Teacher Table Data Dictionary	103
Table 4.22:	Grade Table Data Dictionary	103
Table 4.23:	Mark Table Data Dictionary	104
Table 4.24:	Parent Table Data Dictionary	105- 107
Table 4.25:	Payment Table Data Dictionary	108
Table 4.26:	Achievement Table Data Dictionary	109
Table 4.27:	Subject Teacher Table Data Dictionary	110
Table 4.28:	Student List Table Data Dictionary	110
Table 4.29:	Subject Offered Table Data Dictionary	111
Table 5.1:	Software Environment Architecture	48
Tables 5.2:	Version Control Procedure	55
Table 5.3:	Implementation Status	56
Table 6.1:	Testing Environment	59
Table 6.2:	Test Schedule	60
Table 6.3:	Login Module Test Description	127
Table 6.4:	Records Management Module (Student Registration) Test Description	128
Table 6.5:	Records Management Module (Student Profile) Test Description	129

Table 6.6:	Records Management Module (Staff Profile)	130
	Test Description	
Table 6.7:	Records Management Module (Class Management)	131
	Test Description	
Table 6.8:	Records Management Module	132
	(Class Category Management) Test Description	
Table 6.9:	Records Management Module (Subject Management)	133
	Test Description	
Table 6.10:	Records Management Module (Exam Management)	134
	Test Description	
Table 6.11:	Achievement Management Module Test Description	135
Table 6.12:	Payment Management Module Test Description	136
Table 6.13:	Report Module Test Description	137
Table 6.14:	Test data for Login Module	139
Table 6.15:	Test data for Record Management module:	139
	Student Registration	
Table 6.16:	Test data for Record Management module:	140
	Student Profile	
Table 6.17:	Test data for Record Management module:	140
	Staff Profile	
Table 6.18:	Test data for Record Management module: Class	140
Table 6.19:	Test data for Record Management module:	141
	Class Category	
Table 6.20:	Test data for Record Management module: Subject	141
Table 6.21:	Test data for Record Management module: Exam	141

Table 6.22:	Test data for Achievement Management Module	142
Table 6.23:	Test data for Payment Management Module	142
Table 6.24:	Test data for Report Module	142
Table 6.25:	Test Result and Analysis	143-
		146

LIST OF FIGURES

DIAGRAM	TITLE	PAGE
Figure 2.1:	Waterfall model	10
Figure 3.1:	Context Diagram	18
Figure 3.2:	Admin Level 0 DFD	19
Figure 3.3:	Teacher Level 0 DFD	20
Figure 3.4:	Level 1 DFD: Payment	21
Figure 3.5:	Level 1 DFD: Achievement	22
Figure 3.6:	Level 1 DFD: Student Registration	23
Figure 4.1:	SKMS System Architecture	27
Figure 4.2:	Student registration form interface design	74
Figure 4.3:	Staff profile form interface design	78
Figure 4.4:	New Payment form interface design	81
Figure 4.5:	Mark Entry form interface design	83
Figure 4.6:	Achievement form interface design	85
Figure 4.7:	Payment Record form interface design	87
Figure 4.8:	Login form interface design	89
Figure 4.9:	Report Form interface design	90
Figure 4.10:	Class Form interface design	92

Figure 4.11: Class Category Form interface design	93
Figure 4.12: Subject Form interface design	94
Figure 4.13: Exam Form interface design	95
Figure 4.14: Grade Form interface design	96
Figure 4.15: Admin Navigation Flow	29
Figure 4.16: Teacher Navigation Flow	30
Figure 4.17: Entity Relationship Diagram	37

LIST OF ABBREVIATIONS

DFD	-	Data Flow Diagram
ERD	-	Entity Relationship Diagram
SDLC	-	System Development Life Cycle
DBMS	-	Database Management System
SKMS	-	Suria Kindergarten Management System

LIST OF ATTACHMENTS

ATTACHMENT	TITLE	PAGE
Appendix A:	Project Schedule and Milestone	71-72
Appendix B:	User Interface Design	73-96
Appendix C:	Data Dictionary	97-111
Appendix D:	Software Specification	112-116
Appendix E:	Table Creation	117-125
Appendix F:	Test Description	126-137
Appendix G:	Test Data	138-142
Appendix H:	Test Result and Analysis	143-146

CHAPTER I

INTRODUCTION

1.1 Project Background

The Suria Kindergarten Management System (SKMS) is proposed to be developed under the needs to computerize the current system of Tadika Seri Pelangi Suria which is located at Taman Sri Damak, Jerantut, Pahang. Due to the complexity of the kindergarten, and expanding in the business area, it is necessary to computerize the current system to improve the quality, speed, efficiency and accuracy of the kindergarten management system. Currently, the manual system is using Microsoft Excel and log book to keep track all data. There is no database providing to record data. Thus, the new system is primarily use for storing data effectively so that it can be accessed and used efficiently in creating reports and data analysis to make quality decisions.

By using SKMS, teachers easily retrieve student information without going through stack of files. A receipt is printed by the system for each parent after them conducting the compulsory monthly or registration fees payment. SKMS auto generate grade for each score entry. Grade is auto generated by the system while mark is entered. A teacher can retrieve exam analysis; enrollment statistics and payment report from SKMS. Therefore, the system offers faster process and reduces the cost. The cost includes the manpower uses and time issues.

1.2 Problem Statement

Currently, the kindergarten stores students, staff/teachers, fees payments and other essential records in diskette, files and log book. No database providing to store related data. As the number of student increased from year to year, the kindergarten has problem to manage the data storage. It is not easy to find data from the current system. Teachers cannot retrieve information immediately. The process of retrieve student information in the file system became a time-consuming and cumbersome task. In addition, storing data in current system will cause the information is easily accessible by unauthorized people and increase the risk of data loss. An unauthorized person can view, delete and update data without permission.

Furthermore, teachers have to manually calculate students' average mark and transfer all student results into computer if they want to generate student achievement report in graph and chart form. This action is time-consuming and may lead to data error or inaccurate due to human mistakes. Moreover, class teachers faced problem in tracking payment status. Outstanding balances have to be manually calculated

1.3 Objective

This system is developed to fulfill the following objectives, which are:

- i. To make data management more efficient and effective
- ii. To provide a secure management system with different level of authorization
- iii. To generate variety type of useful report
- iv. To make grading process more faster and easier

1.4 Scope

The system is a stand-alone system. Scope of the system is represented by system user and system function as below:

i) System user:

There are two target users of the system which is administrator and teacher.

ii) Function of the system:

1. Able to do the basic add, update operation.
2. Authenticate each user by username and password. Administrator and teachers use different account to log on the system. This is for security purpose to ensure the individual is who he or she claims to be.
3. Provide information searching function to help users immediately get desired information.
4. Able to backup entire database. Admin is responsible to backup the database. So user does not have to worry of losing data information.
5. Able to auto generate grade and compute average mark. Thus, teachers need not to compute manually.
6. Able to print students 'achievement slips.
7. Able to collect payments and generate receipts.
8. Able to generate graphical reports.

1.5 Project Significance

The system can help the teachers in the kindergarten to manage operation in an easier, faster and effective way. SKMS is able to make data storage management become more smoothly and effectively. All data is kept securely and orderly in the database. The system provides a quick information searching function so that teachers can get information in a second. Beside that, several types of reports can be generated