

KOKU MANAGEMENT SYSTEM

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UNIVERSITI TEKNIKAL MALAYSIA MELAKA

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JUDUL: KOKU MANAGEMENT SYSTEM

SESI PENGAJIAN: 2010 / 2011

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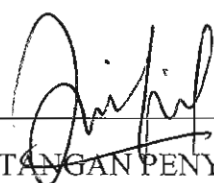
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Tesis dimaksudkan sebagai Laporan Projek Sarjana Muda (PSM)

# KOKU MANAGEMENT SYSTEM

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

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY  
UNIVERSITY TEKNIKAL MALAYSIA MELAKA

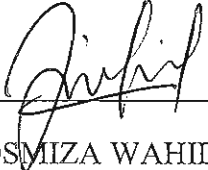
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## DECLARATION

I hereby declare that this report entitled  
**KOKU MANAGEMENT SYSTEM**

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

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(PN ROSMIZA WAHIDA BINTI ABDULLAH)

## DEDICATION

*To my lovely parent and family which are Ab Rahman b Sulong and Nik Mas bt Awang, my supportive supervisor which is Madam Rosmiza Wahida bt Abdullah, my friends and for those who had given me the inspiration and spirit to move on and not to give up for completing this project on the schedule.*

## ACKNOWLEDGEMENT

I owe a great many thanks to a great many people who helped and supported me during do this system.

My deepest thanks to my supervisor, Madam Rosmiza Wahida bt Abdullah the Guide of the project for guiding and correcting various documents of mine with attention and care. She has taken pain to go through the project and make necessary correction as and when needed.

My deep sense of gratitude to Mr Tuan Hj Zainal Abidin as a co-curriculum senior teacher from SMK Durian Tunggal because support and give belief to me to build and complete this system

I would also like to thank my beloved parents and my lovely friends who have been giving me support and motivation throughout my project.

## ABSTRACT

Koku Management System has been developed using Oracle Form Developer 10g as a graphical user interface and Oracle 10g as a scripting language. The system has been divided into seven chapters in this report.

The chapters start from introduction to the system. This chapter was explained more detail about the system and what the system should be. Koku Management System could facilitate students SMK Durian Tunggal to check their co-curriculum marks, knows new announcements from their teachers Next chapter is Literature Review and Project Methodology, this chapter included overall the literature review of the system, domain of the system, techniques to get information and the existing system to serve as a reference.

Then, the next chapter is Analysis. To develop and implement a system, the analysis should be carried out to ensure that all targets to the original purpose are successfully. The problem analysis is describing the current system situation using Data Flow Diagram (DFD) and context diagram. This chapter also is focus on requirement analysis for Koku Management System for SMK Durian Tunggal.

The next chapter is Design. The database design is included in the project. The database design is based on the conceptual and logical database design. Next chapter is Implementation. During the implementation phase, the system is built, tested and installed. The activities for this chapter are include with tasks to make sure the software

deployment are suitable to the system requirement and also discusses the software configuration and the version control procedure.

Then, the next chapter is Testing. The level of testing will be done after the implementation of the system has been completed. At this level, errors that may occur in the system can be detected before the system is handed over to the end user and the last chapter is Project Conclusion. This chapter is about the overall conclusion of the system such as the strengths and the weaknesses of the system also have the proposition of the system.



## ABSTRAK

Koku Management System telah dibangunkan menggunakan Oracle Form Developer 10g yang digunakan sebagai antaramuka grafik dan Oracle 10g Express Edition telah digunakan sebagai bahasa pengaturcaraan. Sistem ini telah dibahagikan kepada tujuh bab di dalam laporan ini.

Bab bermula daripada pengenalan kepada sistem. Bab ini menjelaskan lebih terperinci mengenai sistem dan apa yang sistem boleh lakukan. Koku Management System boleh memudahkan pelajar SMK Durian Tunggal untuk memeriksa markah kokurikulum mereka dan mengetahui pengumuman baru dari guru-guru mereka. bab seterusnya ialah Kajian Sastera dan Metodologi Projek, bab ini termasuk keseluruhan kajian literatur sistem, domain sistem, teknik mendapatkan maklumat dan sistem yang sedia ada untuk dijadikan sebagai rujukan.

Kemudian, bab seterusnya adalah Analisis. Analisis perlu dijalankan untuk memastikan bahawa semua sasaran untuk tujuan asal berjaya. Analisis masalah ini menggambarkan keadaan sistem semasa menggunakan Rajah Aliran Data (DFD) dan gambarajah konteks. Bab ini juga memberi tumpuan kepada analisis keperluan bagi Sistem Pengurusan Koku untuk SMK Durian Tunggal.

Bab seterusnya adalah Rekabentuk. Rekabentuk pangkalan data adalah termasuk di dalam projek ini. Rekabentuk pangkalan data adalah berdasarkan kepada reka bentuk pangkalan data konsep dan logik. Bab seterusnya adalah Pelaksanaan. Semasa fasa pelaksanaan, sistem ini dibina, diuji dan dipasang. Aktiviti untuk bab ini termasuk dengan tugas untuk memastikan penggunaan perisian yang sesuai dengan keperluan sistem dan juga membincangkan konfigurasi perisian dan prosedur kawalan versi.

Kemudian, bab seterusnya adalah Ujian. Tahap ujian akan dilakukan selepas pelaksanaan sistem itu telah siap. Di peringkat ini, kesilapan yang mungkin berlaku dalam sistem boleh dikesan sebelum sistem itu diserahkan kepada pengguna akhir dan bab terakhir ialah Kesimpulan Projek. Bab ini adalah tentang kesimpulan keseluruhan sistem seperti kekuatan dan kelemahan sistem itu juga mempunyai cadangan sistem.

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**LIST OF ABBREVIATIONS**

<b>ABBREVIATIONS</b>	<b>TITLE</b>
<b>KOKU</b>	<b>Co-Curriculum</b>
<b>ERD</b>	<b>Entity Relationship Diagram</b>
<b>DFD</b>	<b>Data Flow Diagram</b>
<b>SMK</b>	<b>Sekolah Menengah Kebangsaan</b>

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# CHAPTER I

## INTRODUCTION

### 1.1 Project Background:

Koku Management System for SMK Durian Tunggal was developed to facilitate students SMKDT to check their co-curriculum marks and views new update information about the co-curriculum activities. SMKDT or Sekolah Menengah Kebangsaan Durian Tunggal is located in Durian Tunggal, Melaka and this school has been established many years ago. Students at this school are increasing every year.

This system is developed to help the student to get their information about activity co-curriculum from their teachers. This system has 9 modules for teacher such as:

- Login.
- Add New Student information.
- Student Information
- Calculation Mark.
- Report.
- Backup Full System.
- Update New Information.
- Others Menu.
- Logout.

## 1.2 Problem Statements:

- Unable to find students details

Previous system of manual system or filing system would be difficult to find a student information such as when the students this year are in form one and the next year at form two. Similarly in the following year, eventually the student information may be lost or difficult to achieve because of too much data stored in the files.

- Time consuming in preparing the student marks

Teachers will take a long time to prepare their students marks and the marks will only be notified in the class, then students cannot see their score but to see the teacher in his office.

## 1.3 Objective:

- To be able to display the marks of co-curriculum activities.
- To be able to reduce the data redundancy so that changes of information will be update consistently.
- To provide a reliable way in accessing data. So, it'll more easily in finding the data.

## 1.4 Scope:

The end user targeted for the project:

(a) The admin

- Log in as admin

Admin must login with valid username and password for the authorized to access to the system.

- Update students information  
Admin can update student's information if the students have any information to update.
  
  - Manage the system  
Admin also need to manage the system. For example the system has any problem or what happened to the system, admin must do it.
  
  - Add new students  
Admin must add new student if have case that a new student transfer from another school or add new students from form one which is register in the earlier year.
  
  - Upload marks, announcement  
Teacher also needs to upload marks and new announcement about new activity co-curriculum that will be held.
  
  - View all record students  
Administration can view the record for each of students
  
  - .
- (b) The student
- Log in as student  
Student must login with valid username and password for the authorized to access to the system.
  
  - View marks and their information detail  
Students can view their co-curriculum marks and their information details.