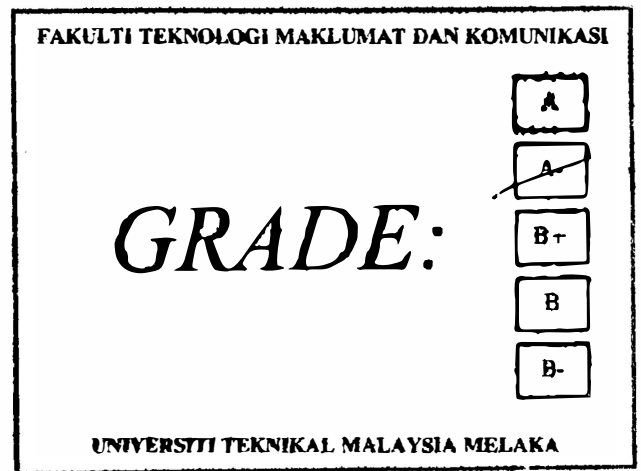


**SISTEM PENGURUSAN INSENTIF PENGELUARAN PADI**

NUR KHAIZURA RASLI



UNIVERSITI TEKNIKAL MALAYSIA MELAKA

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SESI PENGAJIAN: 2009/2010

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**SISTEM PENGURUSAN INSENTIF PENGELURAN PADI (SPIPP)**

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

FACULTY OF INFORMATION AND COMMUNICATION  
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2010

**DECLARATION**

I hereby declare that this project report entitled

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

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**SUPERVISOR** : ..... **Date** :  
(PUAN UMMI RABA'AH BINTI HASHIM)

## **DEDICATION**

To my beloved parents and my family

To my kind supervisor, Puan Umami Raba'ah binti Hashim

To my lecturers and friends

## ACKNOWLEDGEMENTS

Alhamdulillah, praise to Allah S.W.T . I am very pleased and grateful of being able to finish my final year project. I would like to thank my beloved parents and my family for their support and motivation.

I would like to express my highest gratitude to my supervisor, Puan Umami Raba'ah Hashim, who is very kind, understanding, and patience in supervising my final year project.

I also want to thank all my friends who have helped me to finish my final year project. Other than that, I would like to thank all of you who have contributed to this project. Once again, thank you very much.

Wassalam.

## ABSTRACT

Sistem Pengurusan Insentif Pengeluaran Padi (SPIPP) is management system for Pertubuhan Peladang Kawasan Machang in managing the process all the information about paddy farmers and the subsidy they received. The purpose of this system is to develop a system that can manage and recorded all information about plough, fertilizer and pesticides subsidy in a system. Staff will added information about paddy farmers and the acres that will be plant with paddy in the system according to the form that have been fill by the paddy farmers. This system also can print out coupons that contain information about subsidy that will be received by paddy farmer. Beside, this system also can print report.

## ABSTRAK

Sistem Pengurusan Insentif Pengeluaran Padi (SPIPP) adalah satu sistem pengurusan untuk Pertubuhan Peladang Kawasan Machang dalam menguruskan semua maklumat tentang petani dan subsidi yang mereka terima. Tujuan sistem ini dibangunkan adalah untuk mengurus dan merekodkan semua maklumat tentang pembajakan, subsidi baja dan racun perosak dalam satu sistem yang sistematik. Kakitangan akan merekodkan semua maklumat tentang petani dan jumlah ekar tanah yang untuk tanaman padi dalam sistem ini berdasarkan borang yang telah diisi oleh para petani. Sistem ini juga boleh mencetak kupon yang mengandungi maklumat tentang subsidi yang akan diterima oleh petani padi. Selain, sistem ini juga boleh mencetak laporan.



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## LIST OF ABBREVIATIONS

DBMS	Database Management System
PPK	Pertubuhan Peladang Kawasan
IPB	Insentif Peningkatan Pengeluaran Beras Negara
SBPKP	Skim Baja Padi Kerajaan Persekutuan
IPP	Insentif Pengeluaran Padi'
SPIPP	Sistem Pengurusan Insentif Pengeluaran Padi
DFD	Data Flow Diagram
DBLC	Database Life Cycle
ERD	Entity Relationship Diagram
OS	Operating System
PK	Primary Key
FK	Foreign Key
RDBMS	Relational Database Management System
SQL	Structured Query Language
DDL	Data Definition Language
DML	Data Manipulation Language

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## CHAPTER 1

### INTRODUCTION

The project is for recording all the information about paddy farmers and the subsidy they received at Pertubuhan Peladang Kawasan (PPK) Machang. As an overview, the system will be used by which is will make the management more systematic because all information about ploughing subsidy, fertilizer subsidy and pesticides subsidy will be recorded in this system. Staff will added information about paddy farmers and the acres that will be plant with paddy in the system according to the form that have been fill by the paddy farmers. After that, staff will print out coupons that contain information about subsidy that will be received by paddy farmer. Beside, staff also can print report.

#### 1.1 Project Background

Nowadays, the cost of paddy production such as ploughing machine and harvesters, pesticide, labor and transportation had increased many times and Government have introduced 'Insentif Pengeluaran Padi' (IIP) to help reduce paddy farmer's burden due to the increasing cost. Besides IPP, government have also introduced Skim Baja Padi Kerajaan Persekutuan (SBPKP) and Insentif Peningkatan Pengeluaran Beras Negara (IPB). This subsidy, which are IPP, SBPKP and IPB consist of ploughing subsidy, fertilizer subsidy and pesticides subsidy.

Sistem Pengurusan Insentif Pengeluaran Padi (SPIPP) is a system that will be develop function in recording all the information about paddy farmers and the subsidy they received. This system is developing as current system that using by Lembaga Pertubuhan Peladang Kawasan (LPPK) which is 'Sistem Skim Baja Padi Kerajaan Persekutuan' (SSBPKP) function in recorded information about fertilizer only. Pesticides subsidy and plough subsidy has been recorded in different system. So, the system in this project will make the management more systematic because all information about plough, fertilizer and pesticides subsidy will be recorded in a system.

For to-be system, manager of LPPK will decide who will receive the subsidy and it will be recorded in this system. Staff will added information about paddy farmers and the acres that will be plant with paddy in the system according to the form that have been fill by the paddy farmers. After that, staff will print out coupons that contain information about subsidy that will be received by paddy farmer. Beside, staff also can print report. Manager also can register new staff to use this system. This system also will record whether the paddy farmers have received the subsidy or not.

## **1.2 Problem Statement**

Due to the current system, it functions in recorded information about fertilizer only. Pesticides and plough subsidy has been recorded in different system. Problem lies when the staff need to searching and retrieving data when the data is required. Besides, data about IPP and IPB are recorded in different system and it can cause risk of data mistake. As the staffs are using different system, so they need to key in data about paddy farmer which is same in both the system. Paddy farmer who are receive subsidy will be given coupon. Currently, the staffs need to fill the coupon manually which is does not guarantee the accuracy of data. Lastly, data about pesticides subsidy and plough subsidy are not secure as unauthorized user can access the data. It is because; both of this information is saved on Microsoft Excel.

### 1.3 Objective

The objectives of Sistem Pengurusan Insentif Pengeluaran Padi are:

- a) To store data systematically, efficiently and effectively by using Microsoft SQL SERVER 2000.
- b) To facilitate the management system. The management will be much more arranged and smooth as all data will be recorded in a system. Searching for records can be done more easily than before. Besides, all records can be add, delete and update automatically.
- c) To increase database security. All records can only be access by the authorize users.
- d) Time Saving. Staff can print out the coupon and no need to do it manually. So, staff can reduce the time usage. Searching data can be done faster.
- e) To enable staff view and print out report of management about IPP.

### 1.4 Scope

The scope of this system consists of three parts. The first part is the system users, and the second part is the client and lastly is system functions.

#### 1.4.1 System User

- a) Admin –Administrator has the full privilege of the system. Admin can retrieve data in all tables. Admin also can add, delete, edit and

update all data that have been inserted in this system. Admin can also print report.

- b) Staff- Staff can retrieve, add, delete, update and edit data in all tables except in table staff. Staff can also print report.

#### **1.4.2 Client**

Client for this system is admin and staff of Pertubuhan Peladang Kawasan Machang (PPK Machang). This PPK Machang consists of 14 staff and a manager. Only two staff and manager will be using SPIPP. This two staff are responsible in manage the subsidy for paddy farmers.

#### **1.4.3 System Function**

The system scopes are:

- 1) Register Staff – In this module, admin will register the staff. This module enables admin to add, save, delete, update or edit data.
- 2) Register paddy farmers – In this module, admin and staff can add, save, update, edit and delete data about paddy farmers.
- 3) Register season – In this module, admin and staff can register the season for planting paddy. This module enables admin and staff to add, save, update, edit and delete data.
- 4) Register territorial division (mukim) – Admin and staff can add, save, delete, edit and update data about territorial divisions in this module.

- 5) Register Pengesah - In this module, admin and staff can register Pengesah that authenticate the information about paddy farmers. This module enables admin and staffs to add, save, update, edit and delete data.
- 6) Register Information about land - Admin and staff can add, save, delete, edit and update data about the land in this module.
- 7) Register subsidy – In this module staff and admin can register the subsidy that will be received by paddy farmers. In this module, staff and admin can add, save and delete data. This module also enables staff and admin to calculate amount of the subsidy will be receive by paddy farmers.
- 8) Item - In this module, staff can update, save, delete, edit and add data.
- 9) Generate Report – In this module, staff and admin can print report such as report for information about distribution of subsidy to farmers.

## 1.5 PROJECT SIGNIFICANCE

This system is beneficial for staffs and manager Lembaga Pertubuhan Peladang Kawasan Machang. This system will help in prevent unauthorized usage and increase the security of system. Login function will help to secure data from being seeing or usage by unauthorized users. This system will give more advantages to staff as they can manage data easily in one system compare to the current system which is need to manage in different system. Staff also can accessing data more easily and faster and update, delete and add data can be done more easily. Fully computerized system saves a lot of

times. Staff can print out the coupon and report and no need to do it manually.

## **1.6 EXPECTED OUTPUT**

The expected outputs from this system are:

i. Login

The login function is used to secure data from unauthorized user because this function only allow an authorize user to access the system.

ii. Manage Data

This module is managed by Staffs of Lembaga Pertubuhan Peladang Kawasan Machang. Staff can store information about padi farmer and subsidy, and also can viewing or searching data. Besides, staff also can change, update or delete data in Sistem Pengurusan Insentif Pengeluaran Padi. So, data can be managed in effectiveness and consistent.

iii. Generate Report

Staffs will be able to manage and print out the report such as report for information about distribution of subsidy to farmers.

iv. Calculation

During this task, staffs can calculate amount of subsidy that padi farmers get based on how many acres of land that will be plant with padi.