

**BORANG PENGESAHAN STATUS TESIS \***

JUDUL: MHP ONLINE SHOPPING SYSTEM

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# **MHP ONLINE SHOPPING SYSTEM**

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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 TECHNOLOGY  
UNIVERSITI TEKNIKAL MALAYSIA MELAKA**

**DECLARATION**

I hereby declare that this project report entitled

**MHP ONLINE SHOPPING SYSTEM**

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

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## DEDICATION

*I would like to wish my special thank you to my beloved parents Mokhtar Bin Hj. Abdul Manaf and Bastiah Binti Utoh for your love and support in completing my final year project. Not to be forgotten, I would like to dedicate to the people who help and support direct or indirect in finishing my project successfully.*

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## ABSTRACT

Nowadays, computers are used to manage daily works. Many company have already upgrade their daily business and transaction using computerized system. However, MHP Enterprise who is a dealer and manufacturer of Halal food products which is malay traditional snacks like kuah kacang, bahu, rempeyek, kerepek and others in Sekinchan, Selangor still using a manual system in all transaction for example in order item where orders data will save in Microsoft Excels. The manual system usually creates problems, so the development of this website hopefully can solve the problem and can be more efficient than before. For future usage, MHP Online Shopping System is suggested to solve that problem. This system will be operated online where a customer will make online order even they far from the shop. The objective of MHP Online Shopping System is to change the stand-alone system to a web-based system. Besides that, this system will allow the customers to make online orders so that they can also know about the product, prices and the packages offered by this company and also any promotion about new product that they produced. This system follows by System Development Life Cycle and implemented using Hypertext Pre-Processor (PHP) language and MySQL database. It is formed by a few phases which are planning, analyzing, design and implementation and testing. Admin is responsible to manage product registration while the customer can order any products via online system.



## ABSTRAK

Di zaman serba canggih ini, kebanyakan kerja harian di lakukan menggunakan komputer. Kebanyakan syarikat yang ada pada masa kini sudah menggunakan sistem berkomputer dalam menjalankan urusan dan traksaksi harian. Namun begitu, MHP Enterprise yang merupakan pengeluar dan pengedar produk-produk makanan Halal seperti kuah kacang, bahu, rempeyek, kerepek dan banyak lagi di Sekinchan, Selangor masih lagi menggunakan sistem manual di dalam transaksi perniagaan mereka. Oleh itu, Sistem Membeli Belah Di dalam Talian adalah merupakan sistem yang dicadangkan untuk menggantikan sistem yang digunakan sekarang. Sistem ini dibangunkan bagi membolehkan pelanggan membuat pesanan bagi produk-produk keluaran syarikat ini melalui sistem dalam talian walau di mana sahaja mereka berada. Objektif utama sistem ini adalah untuk menggantikan sistem manual kepada sistem berorientasikan Web. Selain itu, objektif sistem ini adalah untuk memudahkan pelanggan membuat pesanan melalui sistem dalam talian di mana mereka boleh mengetahui informasi-informasi produk-produk keluaran syarikat ini dan juga promosi-promosi yang baru. Sistem ini dibangunkan menggunakan dengan menggunakan bahasa pengaturcaraan Hypertext Pre-Processor (PHP) dan pangkalan data MySQL. Metodologi yang telah digunakan dalam membangunkan sistem ini adalah Sistem Pembangunan Semula. Ia terdiri beberapa fasa iaitu Perancangan, Analisis, Reka Bentuk, Implementasi dan Pengujian. Admin bertanggungjawab untuk menguruskan pendaftaran produk manakala pelanggan boleh mengetahui maklumat produk-produk melalui sistem dalam talian (menggunakan aplikasi web).

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**LIST OF ABBREVIATIONS**

AJK	Ahli Jawatan Kuasa
CPU	Central Processing Unit
CSS	Cascade Style Sheet
DBA	Database Administrator
DBLC	Database Life Cycle
DBMS	Database Management System
DCL	Data Control Language
DDL	Data Definition Language
DFD	Data Flow Diagram
DML	Data Manipulation Language
ERD	Entity Relationship Diagram
FK	Foreign Key
FTP	File Transfer Protocol
GB	Gigabyte
GUI	Graphical User Interface
HTML	HyperText Markup Language
IP	Internet Protocol
LAN	Local Area Network
MAN	Metro Area Network

MB	Megabyte
MHP	Mastura & Haji Panuri
NF	Normal Form
ODBC	Open Database Connectivity
OS	Operating System
PHP	Personal Home Page
PK	Primary Key
PSM	Projek Sarjana Muda
RAM	Random Access Memory
RDBMS	Relational Database Management System
SDE	Software Development Setup
SDLC	System Development Life Cycle
SSADM	Structured Systems Analysis and Design Methodology
SQL	Structured Query Language
TCP	Transmission Control Protocol
WAN	Wide Area Network

## **CHAPTER I**

### **INTRODUCTION**

#### **1.1 Project Background**

MHP Enterprise is a dealer and manufacturer of Halal food products which is Malay traditional snacks like kuah kacang, bahu, rempeyek, kerepek and others in Sekinchan, Selangor. For now this company using a manual system in all transaction for example in order item where orders data will save in Microsoft Excels. The manual system usually creates problems, so the development of this website hopefully can solve the problem and can be more efficient than before.

Many products from MHP Enterprise nowadays come very popular but the problem is when customers want to buy a product from MHP Enterprise they need to go to the shop or where situated only in Sekinchan and Kuala Selangor or makes a call. This is because M.H.P Enterprise not has a website, so a person from other places where far from the shop cannot buy any product through online order and don't know what MHP Enterprise produced. Only the nearest people can go to the shop but they still don't know much about what MHP Enterprise can offer for them.

Furthermore, the current system is a stand-alone system. So, the enhance system that is going to be develop will add the functionality such as, it will be operated online where a customer will make online order even they far from the shop. This project will



submit the user requirements and take the order product from the customers. Customer should make a full payment before the product will be post to the customer. This can ensure that the customer's product will be send safely. This project enhances one with the skills of developing a website and managing a database.

## 1.2 Problem Statement

A new system must be developed to enhance the current system. This is because the current system lacks function in the following aspects:

**i. Registration customer record use filing system.**

All the information about customer registration stored using filing system and the customer should go to shop or make a call to order a product. Using this system is difficult to manage of the data and maybe the risk of losing data is increase.

**ii. All new product will be store in Microsoft excel file.**

The new product information will be stored using this system. This system is facing many problems like data redundancy, messy of data, lost data and many more.

**iii. Difficult to manage order and payment item.**

All transaction about order and payment using log book. The staff handles many data every day to process order and payment items.

**iv. The all information about staff and product save manually and not has safety.**

Stored data is not using database management system (DBMS). This cause the all important data make risk.



### 1.3 Objective

The objective of this project is to enhance the current system especially to add some functionality that the customer will obviously like about it. There are a few goals that will be achieved in this project:

- **To change the stand-alone system to a web-based system.**

The stand-alone system should be changed to a web-based system so that the interactivity can be added and well managed. Arrangement of data can be more effective because every time data is inserting, it will be store at the specific storage.

- **To make an online order.**

Customers can make online orders so that they can also know about the product, prices and the category product offered by this company. Besides that, this company will make promotion about new product that they produced.

- **To store information in a database**

Information about the customer can be store in a specific database. So as a company staff, all information about a specific customer can be view in a very efficient way. The searching processing also can be done quickly because the data is managed very well.

- **To build a secure system**

As the system will be operated online, customer can be login only with a correct password. So, other internet users cannot login easily and other information will be store safely.

- **To establish a user friendly website**

One of the objectives of this project is to make customers feel that the website is user friendly and they can easily follow all the instructions. If customer open the website, they can see the products and also about this company.

- **To develop backup and recovery system**

As compared to the current system, this enhance system can be recovered automatically when any circumstances happen. Any deleted data that is happen accidentally can be taken back by recovery procedure and any time the system is crashed, any hanging transaction can be manage very well.

## 1.4 Scope

The scope of this project includes the target user, function of the system and also the technology included.

### 1.4.1 User

- **Admin**

Admin is the staff with highest level of user that manage for system maintenances the user level, security and active user.

- **Staff**

Staff that given authority by admin to update all of the information in the database. For example, staff is responsible to insert a new data, update and delete.

- **Customer**

Customer is the internet users that will browse the website to get the information about the product and make an order in any product.

### 1.4.2 Function

The function of the system is to enhance the current system by developing a website and all the transactions can be made online. There are four modules that will be developed which are customer module, staff module, login module and payment module. All processes involved in the module include:

- Customer module can make an order and view the information about product was produced by this company.
- Staff module to update all of the information in the database. While admin will maintain information about products, staff and many more.
- Login module will check whether a staff is a legitimate staff or not. If the staff entered a wrong password, they will be blocked from entering the portal. If they are a legitimate staff, they can view and update specific information.
- Payment module is operated online but still in secure where payment process need to inform staff if the payment using debit card, credit card or check was be done.
- Admin module is the important element in the system which is responsible to maintain the system. Backup and recovery process, user level, grant permission and transaction log are the task that is manage by the admin.

### 1.4.3 Technology

Since MHP Online Shopping System will be developed online, the technology will base on using web-based tools such as:

- Windows XP as the platform
- MySQL as the database
- Hypertext Preprocessor (PHP) as the server side scripting language.
- Appserve Web Server

### **1.5 Project Significance**

This system has the data storage that will help the management of order process and easy to store the specific information about the customer, product and price. MHP Online Shopping System provides a better searching system. This will help users of this system to search specific information in a very efficient ways.

This system also helps in updating data. For example, if the administrator wants to add any information in this system, the time to do the process is less as compared to the previous system. Other than that, the authentication process is provides before any staffs enter the staff area in the website. This will help eliminate any unauthorized user to mess the system.

MHP Online Shopping System also provides with the system of backup and recovery which is when the system crashes, it can be recovered according to the date of backup. So, the system can be operated as usual and any data that is deleted accidentally can be recovered automatically.