

BORANG PENGESAHAN STATUS TESIS*

JUDUL: FRESURE BEVERAGE MANAGEMENT SYSTEM (FBMS)


SESI PENGAJIAN: 2007/2008

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Tesis dimaksudkan sebagai Laporan Projek Sarjana Muda (PSM)

FRESURE BEVERAGE MANAGEMENT SYSTEM

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

**FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
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2008**

DECLARATION

I hereby declare that this project report entitled
FRESURE BEVERAGE MANAGEMENT SYSTEM (FBMS)

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 parents,

I sincerely appreciate the importance of your presence, in guiding me along the way to grow mentally and spiritually apart from intellectual provisions. I can finally see your points from the facet of your eyes... Thank you.

ACKNOWLEDGEMENT

Assalamualaikum Warahmatullahi Wabarakatuh

Firstly, thanks to Allah the Almighty for his blessing and mercy, at last I can complete my report at the fixed time. I would like to take this opportunity to thank to my Supervisor, Puan Nor Hafeizah binti Hassan for giving the guidance and support me to do the report and also to build the system.

Secondly, I would like to thank to my parents for their support and giving me some advices to improve my inspiration during my task completion. Very special thanks to all of my friends especially Kamarul Fahmi, Amir Khalid, Syariff and Haliki for their helping hands, supports and knowledge sharing.

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ABSTRACT

Idea to develop this project: Fresure Beverage Management System (FBMS) we got because of our interest to know better and closer how the companies that involves in small and medium industry manage their products and all components of the company such as staffs, stocks, and sales. It is seldom to hear that a foods and beverages based manufacturing company using a modern computerized system to manage the information or data about the company such as products and staffs. So, by developing this system, it is indirectly can attract the companies to use this system to help the company to increase business efficiency and sales performances. By using this system, it can save all the important and useful company data into one database system. We hope that the company that involves in this type of industry like beverage Production Company can compete with the other competitors whether in small-medium Industry Company or big industry company and can market their products to the global. We hope also that more people will be interested to involve in business field.

ABSTRAK

Idea untuk membangunkan projek Fresure Beverage Management System (FBMS) ini telah diperoleh berikutan sikap ingin tahu bagaimana sebuah syarikat yang terlibat dalam industri kecil dan sederhana (IKS) menguruskan produk keluaran mereka. Jarang sekali terdengar sebuah syarikat penghasilan dan pemprosesan produk berasaskan tumbuhan alam semulajadi menggunakan satu sistem berkomputer yang canggih untuk menguruskan data tentang syarikat mereka seperti produk keluaran dan pekerja. Sistem ini secara tidak langsung disyorkan kepada syarikat-syarikat sedemikian untuk digunakan sepenuhnya kemajuan teknologi maklumat pada hari ini agar ia dapat meningkatkan produktiviti dan prestasi syarikat. Dengan adanya satu sistem yang dapat menguruskan segala data syarikat dengan berkesan, syarikat-syarikat yang menceburkan dalam bidang IKS ini seperti kilang penghasilan minuman contohnya diharapkan mampu bersaing dengan syarikat gergasi dan dapat terus bersaing hingga ke peringkat global. Di samping itu, dengan adanya system seperti ini, semakin ramai pihak yang akan berminat untuk menceburkan diri dalam bidang perniagaan.

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CHAPTER I

INTRODUCTION

1.1 Project Background

Small and medium industry (SMI) plays an important role in economy achievement and development of the country. There are so many products are come from SMI such as plant and fish based product. In this project, I will develop a system called Fresure Beverage Management System. This system is going to be developed for a new company which is named as Plantis Sendirian Berhad that has involved in a small industry in Malaysia. The brand name of all products manufactured by this company will be named as Fresure. The company is focuses on processing of fruits based beverage products such as juices that were made from orange, apple, pineapples, litchi, mango, kiwi, grape, pink guava, lime, strawberry and others. As we already know, most of the agriculture based product companies do not have a good and comprehensive system to manage the business process of the company.

So by using this system, it will help the company to manage their business process efficiently. The company has four departments that will do certain duty to manage the company which are Administration & Management Department, Staffs Department, Sales & Marketing Department, and Production Department. Because this company is a new company, it has no modern system to manage their business process. The current system that is used by the company cannot handle big amount of data efficiently.

1.2 Problem Statements

The problem statements of this project are listed as below:

a) Company use conventional system which not really efficient and comprehensive on this new era.

- The conventional style is not relevant yet to be used at this time and in the future too. The current computerized system used by the company is not suitable yet to use nowadays because it used out-dated software.

b) The security level of the current system used by this company is low.

- The current computer system that is used by this company is simple and not emphasize in security level because the system does not have backup and recovery and also user privileges.

c) Current system is not efficient and cannot store a big amount of data.

- The company will record/ handle a big amount of data, so it should have a system that can store all the data safely. This system will use Database Management System (DBMS) that can store a lot of data and easy to maintain.

d) No efficient system to manage staffs attendance.

- The current system only use log book to record about staff attendance and workdays for the staffs.

e) The computer system that is currently used by this company is related only with order and products.

- The function that is provided by current system is limited and not records all the information that related to their business. As example, the system has no functions to manage all records about customer, stocks, and staffs.

1.3 Objectives

The objectives for this project are:

a) To replace the conventional system with a new modern system that is more efficient.

- The staffs of the company will increase their productivity when using a new modern system because it is more reliable and easy to maintain.

b) To provide company with a good and high security system.

- The system that will be developed will provide high security level because it has several function such as password authentication, user privileges, and also backup and recovery. The current system has low security level to manage data.

c) To handle/ store a big amount of data.

- The current system is not relevant yet at this time to manage the data when the staff had to write or record the data into some books. By using this system, staffs can store a big amount of data in only one computer system.

d) To manage staffs attendance.

- The current system is not reliable for staff's attendance. By using this system, it can record the attendance of staffs each time they come to work. By using this system also, the latecomer's staff will be given penalty.

e) To help the company increase business efficiency and manage their business process easily.

- The system that we are going to develop is multifunction system and will record all necessary information about the company so then the company can easily monitor all information that is involved within the company hence make it easier to manage and increase efficiency.

f) To save more time and money for the company.

Time:

- By using this system, staffs can browse/ view the data easily and faster by using search function. It is different for current system when staffs need more time to search, update or view the data in log books.

Money:

- This company will use the computer system to manage the data and need not to buy a lot of books to make report or record data. It will save more money to the company.

g) To monitor best period for fruit stocks

- In this module also, the system will help workers produce the product. For example, when the workers want to store fruits for a period as a stock, the system will alert the workers if the time has reached their limit so that the fruits stay in fresh condition before processing. From this function, the quality of product would be better compare by doing it manually.

1.4 Scope

Target Users

1. Administration/ Manager

- The one who can use the full system and manage all records including sales, supplier, and staff records of the company. As example, manager can add, delete and update data such as to change information about staffs and sales.

2. Employee/Staffs

- Staffs can only manage customers, orders, stocks and products of the company. As example, a staff can add, delete and update customers and stocks details.

Area of Usage

1. Inside the company factory

- Because this system is stand alone system, the system can be used only inside the company factory such as to add, update and delete data.
- Only one user can use the system at one time.

Modules

The modules that are going to be developed are Staff, Product, Sales, Stock, Orders, Customer, Supplier and Login Module.

(i) Staff

This module will manage all information about staffs. In this module, the administrator can insert, update, delete and search data about staffs. The system also can record the attendance of staffs each time they come to work.

(ii) Product

This module will record all data about the product that is produced by the company such as product id, product name, price and product type.

(iii) Sales Report

In this module, it covers about sales of each company product refers to product id and order date from orders table. It will calculate the sales of each day and can produce a report for administrator use.

(iv) Stock

This module will cover about all the stocks of the company. The stocks can be products produced by the company; things used to produce the product or can be anything used by the company as the company assets for their business like processing machines and plastic bottles. By this module, the system can estimate the period for the fruits to be stored before the fruits can be processed or shall be discarded if out of date.

(v) Orders

This module will cover about the orders by customers. This module contains order id, order date, total price, quantity, product id and customer id.

(vi) Customer

This module will cover about the customers of the company such as dealers, hypermarkets, supermarkets or common customers who buy directly from the company instead from dealers.

(vii) Supplier

This module will cover about the suppliers that will supply stocks for the company to manufacture company's products. This module contains supplier name, supplier id, address and phone number.

(viii) Login Module

This module will provide function login to user. Unauthorized users cannot login to the system because they have no permission or password to enter the system. Each user will has one account and each account has specific user privilege to access tables in database.

1.5 Project Significance

By developing this project; there is some significance to the company and also to the related industry. Database can be used to manage records such as sales, staffs, stocks, customers, and suppliers. Manager and the other users also can delete, update and search for the data besides data storing. The manager can track the latecomer's staffs by checking to the system. This system will serve company with a system which can manage business process of the company efficiently. This system is too important to the company because by using this system, it will increase the productivity of the company because there is a system that can replace some tasks that should be done by people before this. The company also no need to worry about the safety of the data because the system provide several high security functions. By using this system, the company can increase their efficiency and compete with other companies especially in the same industry. The company also can be as most success and famous beverage company in Malaysia with the help of this system.

1.6 Expected Output

Without this system, the manager and the staffs of the company still had to use the conventional system to manage the production of the Plantis Company beverage product. The company will have a database system that can store and display all information about the company such as sales record, staffs, stocks, products, and employee. The user only need to insert, delete and update any of data faster and easier without should write or record the data into some log books. By using this system, the manager and also the staffs can analysis about the sales performances of each product. This system also serves the company with high security level because it has several function such as password authentication, user privileges, and also backup and recovery. It is also useful to manage staff attendance and can monitor period for certain fruit stocks. More time and money can be saved by the company by using this system according to the objectives that were stated above.

1.7 Conclusion

This chapter is the introduction of the Fresure Beverage Management System. It illustrates and explains the project background, the problem statements, objectives, scope of the project, project significant and the expected output. This chapter determines the overall understanding of the project and the importance of it.

The methodology to the development process will be explained in next chapter. In the next chapter, all the related literature will be review and determine. Literature review is importance to ensure the project is in a right track which refer to previous and future similar researches that have done worldwide.