

## BORANG PENGESAHAN STATUS TESIS

JUDUL: E- TENDER SYSTEM

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### **E-TENDER SYSTEM**

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Date: \_\_\_\_\_

## **DEDICATION**

This report is dedicated to my beloved parents; friends, supervisors and my dearest to me who have provided encouragement and guidance all the way during the completion of the report.

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## ABSTRACT

**'E-Tender System'** is a system developed based on the need of users which are company who want to purchase the tender documents and staff at the tender organization to manage all the important data about tender and project. The purpose of this system is to develop electronic based Tender. The application of tender documents process will be done via computerized system and user's information will kept in the database. In addition, the system also can be access anywhere as long as there is an internet connection and anytime. As for the users for the system, two users are identified to access the system that they either the company that register to view all the project and fill the tender form to purchase the tender documents ,and the administrator who will register to use the system and will maintaining the system. The functions of the system are produced to ensure the effectiveness flows of the system. Thus, function for instances are login for all the users, registration for user and staff, update user and staff information for their personal info update, filling tender form for user who want to purchase the tender documents, administrator or staff approve the status of purchasing the tender documents, manage tender documents data for administrator to view and check all the data about tender project and company, searching information for all users which are enable users to search important data using keywords or by ID , history table enable administrator or staff to view current activities done by other staff at specific time and date ,and generate report to help staff to produce a standard report and documentation. Besides from the methodologies, the v-model methodology is utilized to develop the system as the major element for the continuous system development. Subsequently as to attain the overall objectives of the system, PHP is preferred as the platform languages whereas Oracle Database on the counterpart is for the database management system.

## ABSTRAK

'E-Tender Sistem' adalah satu sistem yang dibangunkan berdasarkan keperluan dari pengguna iaitu syarikat yang ingin membeli dokumen tender dan kakitangan di organisasi tender untuk menguruskan semua data penting mengenai tender dan projek. Tujuan sistem ini dibangunkan adalah untuk membangunkan sistem Tender berasaskan elektronik. Aplikasi proses dokumen tender akan dilakukan melalui sistem berkomputer dan maklumat pengguna akan disimpan dalam pangkalan data. Di samping itu, sistem ini juga boleh diakses di mana-mana asalkan terdapat sambungan internet dan dapat diakses pada bila-bila masa. Bagi pengguna sistem ini, dua jenis pengguna dikenalpasti untuk mengakses sistem iaitu syarikat yang mendaftar untuk melihat semua projek dan mengisi borang tender untuk membeli dokumen tender, dan pentadbir yang akan mendaftar untuk menggunakan sistem dan akan mengekalkan sistem. Fungsi sistem dihasilkan untuk memastikan aliran keberkesanan sistem. Oleh itu, fungsi untuk contoh adalah login untuk semua pengguna, pendaftaran untuk pengguna dan kakitangan, mengemaskini maklumat pengguna dan kakitangan untuk maklumat peribadi kemaskini mereka, mengisi borang tender untuk pengguna yang ingin membeli dokumen tender, pentadbir atau kakitangan yang akan meluluskan status pembelian dokumen-dokumen tender, menguruskan dokumen tender data untuk pentadbir untuk melihat dan menyemak semua data mengenai projek tender dan syarikat, mencari maklumat untuk semua pengguna yang membolehkan pengguna untuk mencari data penting menggunakan kata kunci atau ID, jadual sejarah membolehkan pentadbir atau kakitangan untuk melihat aktiviti-aktiviti semasa yang dilakukan oleh kakitangan lain pada masa dan tarikh tertentu, dan menjana laporan untuk membantu kakitangan untuk menghasilkan laporan standard dan dokumentasi. Selain dari kaedah, metodologi v-model digunakan untuk membangunkan sistem ini sebagai elemen utama bagi pembangunan sistem yang berterusan. Selepas itu untuk mencapai objektif keseluruhan sistem, PHP lebih diutamakan sebagai bahasa platform manakala pangkalan data Oracle digunakan bagi sistem pengurusan pangkalan data.

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**LIST OF ABBREVIATIONS**

DFD	-	Data Flow Diagram
IS	-	Information System
TMS	-	Tender Management System
OTS	-	Online Tender System
PHP	-	PHP:Hypertext Preprocessor

## **CHAPTER I**

### **INTRODUCTION**

#### **1.1 Project Background**

The current manual system of managing the tender was outdated. Users have to come to the organization that manages the tender to see and examine all the existing projects before purchase the tender document. This is a problem because users are forced to take heavy elements of time and cost to the organization. To overcome this problems, a computerized system was developed to enable users to access all of the data on the existing projects, examine the amount of payment for a tender project documents and view the status of the project tender documents . Besides that, users also can fill out the form to purchase tender documents online without the need to attend to the organization. Users can check the status of purchasing the tender documents online after two weeks and the notification of any information about the tender documents will be notified by the staff via email and phone calls.

e-Tender System is a web-based system where there are two users which are users is a company and admin. Before using this system, users need to register by filling in the relevant information about the company into the system. Additionally, admin also need to register personal information to the system and handle the purchasing of tender documents. After register, the user is given unique id number as a username and used own created password to log in the system.

The computerized system will be managed and maintained by the administrator or staff of a tenders organization. Manual system used once gave a lot of problems to the staff to manage their time efficiently to accomplish the tasks in the workplace. This happens when there is a shortage of staff at a peak times when labor is needed in the organization to treat their customers, comprising of representatives from the company. In addition, staff are also facing problems to manage and store the tender form in a specific storage. Staff also facing problems to examine one by one purchasing application form and review the project tender payment of a tender documents for each company organization is deal with. The computerized system has been developed to help ease the task and saved staff time and help to complete the tasks more efficiently. Staff only have access to all information about the company, the purchase application form, tender documents, and update the status of tender documents payment online. This computerized system help to reduce the problem of missing data and users essential information needed by the organization.

## **1.2 Problem Statement(s)**

All information about the company application for tender documents of the project are currently handled manually by the staffs. Therefore, current manual system has caused some problems to the organization.

The first problem which seems to arise from the current manual system is unsecured data which seems that data was not well kept in secure storage place. The

probability of the data lost or damage is high. Company personal information or tender form may be change by irresponsibility person or lost.

The second problem which seems to arise from the current manual system is difficult to access information. There is no way how company be able to get to know about the tender documents of the project offer at which location and the total payment for each project. Company is require the physical presence of their officer to go to the centre to ask for availability, make a call or sent an email for further information about the project.

Last but not least, unsystematic report may be generated. Staff collected all the data to generate a report. Current manual system that may cause the lost of data can cause the analysis of the data inaccurate. Thus, reporting for future reference cannot be done.

### **1.3 Objective**

- i. To develop web-based Tender.

The data will not put aside in a paper format anymore. The application of tender documents process will be done via computerized system and user's information will kept in the database. All the data will be considered as a secure and only the admin which is staff has the right to read and make any modifications. The admin use the username and password to access the secure information. The data will lost or damage or changed by illegal person.

- ii. To improve security by limit the access of information.

To provide an e-tender system which can be accessed everywhere and every time by the users of the system which are company and admin.

- iii. To generate e-report and documentation.  
By using the computerized system, the report can be generate with the accurate data that was measured. Admin which is staff work force could be decrease and the staff can spend time to work on another tasks.

## 1.4 Scope

This project is divided into two scopes. User scope is for the users that use the system. System scope is the system modules that include e-Tender System.

### 1.4.1 Modules

- i. User scope
  - Company  
Users who will view all the project and apply the tender form to buy the tender documents.
  - Administrator.  
Users who will maintain the system by managing the project and handle the purchasing of tender documents.
- ii. Function/Modules
  - Login Module  
This module is used as security to the system whereby login is required in order to proceed with the functionalities of this system.
  - Company and Admin Registration Module

Register the user of the system .The user and admin can register themselves at the main page.

- Update Company and Admin Information Module

Update the profile information of the users. Each user will have the access to update their own information such as name, address and email address.

- Application Tender Form Module

User which is company register the tender form application to buy the tender documents in this system after view all the project ,location and the payment of tender documents.

- Checking Status Module

Admin which are staff are responsible to check and approved the status of purchasing the tender documents of each company. Besides, admin also check and update the payment status of the tender documents.

- Manage Tender Documents Data Module

The module that can only be managed by the administrator of the system. The administrator is a staff of the organization that responsible to fill the data about the project, location and payment of tender documents in the system.

- Searching Information Module

The module that facilitate the users of the system to search important information by entering keywords in search box. User will get to view the details of the information needed.