

**FOREIGN WORKER AGENCY INFORMATION SYSTEM**

**JUNENIKA BTE MAHARJUI**

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

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**DECLARATION**

I hereby declare that this project report entitled  
**FOREIGN WORKER AGENCY INFORMATION SYSTEM**

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 parent, my supportive supervisor, Mr. Mohd Fadzil Zulkifli and to all my friend thank you that has given me moral support and encouragement throughout this project. Without all of them I mentioned, I would not be able to undergo my PSM successfully.

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With the helps from above, I managed to accomplish the project successfully.

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## ABSTRACT

Foreign Worker Agency Information System (FWAIS) is a project to help employer in hiring foreign worker as an employee. This project will be developed using MySQL as the database, Apache HTTP as the server and PHP MyAdmin as the server side scripting language. The literature review is used as a guide to find what the problem in the current system. Besides that, the methodology that used to develop this system is Object Oriented Analysis Design (OOAD) and Database Lifecycle (DBLC). The target user of this system is for foreign worker agency and also to employer and the main objective of this project is to help employer to make application through online application.

## ABSTRAK

Sistem Maklumat Agensi Pekerja Asing (FWAIS) merupakan satu projek yang dibangunkan untuk membantu majikan untuk mendapatkan pekerja asing sebagai pekerja atau pembantu rumah. Pekerja asing yang dimaksudkan adalah merujuk kepada pembantu rumah. Projek yang dibangunkan ini menggunakan MySQL sebagai pangkalan data, Apache sebagai HTTP Server dan PHPMyAdmin sebagai 'Scripting Language'. Kajian mengenai sistem sedia ada dapat membantu sebagai panduan untuk mengatasi masalah yang sedia ada. Kaedah atau metodologi yang digunakan dalam sistem ini adalah Analisa dan Rekabentuk Berorientasikan Objek. Pangkalan data yang digunakan adalah Kitar Hayat Dalam Pembangunan Pangkalan Data. Sasaran pengguna untuk sistem ini adalah majikan dan juga agensi pekerja asing di negara sumber. Manakala pentadbir sistem ini akan menentukan status permohonan majikan. Objektif projek ini adalah untuk membantu majikan membuat permohonan secara dalam talian.

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**LIST OF ABBREVIATIONS**

<b>TERM</b>	<b>DESCRIPTION</b>
DBMS	- Database Management System
DCL	- Data Control Language
DDL	- Data Defination Language
DDLC	- Database Life Cycle
DML	- Data Manipulation Language
ERD	- Entity Relationship Diagram
FK	- Foreign Key
FWAIS	- Foreign Worker Agency Information System
GUI	- Graphical User Interface
PK	- Primary Key



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## **CHAPTER I**

### **INTRODUCTION**

#### **1.1 Project Background**

Agency is a middle medium for employer to get the foreign worker. All the processing about the foreign worker is managed by the agency. With Internet and broadband becoming more and more common each day, many employers can enjoy the convenience of short-listing their foreign workers or maids online before contacting the agency concern.

Types of user will be involved in this process is foreign worker agency at the source country, employers and the agency that using this system able to manage the process. The system that will be developed is Foreign Worker Agency Information System. The purpose of developing this system is to enable employer to find and apply the foreign worker as a maid through online application. Through this system is setup with the aim of making it easier for potential employers to select their maids from the comfort of their homes and offices.

This system also enable agency to register foreign worker details through the online registration. All information about the foreign worker will be displayed in the system. Then, if employer wants to get a worker or maid, they can access the details through this system and apply which the worker they needed. The agency will manage and define the status of application.

Agency at the source country will register their foreign worker through the online registration. Then administrator of agency at this country will manage all information about the employer and agency in the database. Administrator will verify the status of application to employer either approved or rejected.

## **1.2 Problem Statements**

I have identified some of the problems that arising with the manual system. The problems are:

### **i. Database based on paper**

First problem had been identified is no central database that cause delay and hardship in achieve data within a short time. Sometimes current system cause data overlap where same data placed at the different places. Additionally, manual system still using file to keep data that necessitated large spaces. Consequently difficulty to reach data possibly happens.

### **ii. Slow the access of data**

The employer have to fill forms for apply foreign worker. In addition to that, this process takes times and not very efficient. For example, there many foreign worker and employer take time to view and make decision.

### **iii. No report generated.**

The current system cannot generate how many foreign workers that were registered and no payment receipt for booking process. Therefore admin also need to spend a lot of time to refer the record for producing the report.

### 1.3 Objectives

This objective is to deal statement problem such as stated above. The objectives are:

- i. Centralized database**

Through this system, FWAIS able to keep data in the centralize database. By using database, data can be arranged with orderly and easy to achieve. In the same period, FWAIS can avoid data from overlap.
- ii. Data accessing become faster.**

Through online application, data accessing become swiftly and to allow employer make booking process with faster and efficiently.
- iii. To generate reports.**

Systems will be able produce deposit payment deposit booking. Through this application, employer can print the receipt by login the system. Admin also can view and the details of foreign worker.

### 1.4 Scope

Foreign Worker Agency Information System describes briefly the scope in term of users about the online application system. There are three (3) types scope of system users for Foreign Worker Agency Information System, there is scope of system user, scope of system modules and scope of system technology. Scope for system user is divided into two (2) users; there is external user and internal user.

#### a) Scope of System User

For the system user, it gets 2 different of system users. There are external and internal system users. Below is a description of external and internal users.

### **i. External user**

- **Agency foreign worker at source country**

Agency must register before they can access the system. The foreign worker will register through their agency at source country using online application. The details of foreign worker will be saving in the system. Administrator will manage the details and define the status of employer application.

- **Employer**

Employer must register to access this system or to make an application. Then, when have an authentication, employer can view data of foreign worker and they can apply if they interested. Admin will verify the status of application whether accepted or not.

### **ii. Internal user**

- **Administrator**

For internal user, administrator will do the task such define the application status, import and export data and also generate the report. The administrator will define all the applications status from employer and foreign worker

## **b) Scope of System Module**

In the Foreign Worker Agency Information System, there are several functions for external and internal user.

### **i. Employer registration process**

Employer will make a registration through the online application. This registration is to search and apply a foreign worker as their employee. Though this site, employer will type the details and they can search and apply foreign worker when they needed after make a registration.

**ii. Foreign worker registration process**

Foreign worker registration process can be done only the record is made by the agency at the source country through online registration. They can make application at the nearest consulate or anywhere as long as has an Internet connection.

**iii. Status of application process**

The administrator will identify the status of the application. After the status is defined, employer can check their application whether successful or not.

**iv. Reporting**

This system is able to generate report about the numbers of foreign workers that have been registered in the FWAIS.

**c) Scope of System Technology**

System technologies for Foreign Worker Agency Information System (FWAIS) used web based tool as below:

- i. MySQL Database
- ii. Apache HTTP Server
- iii. PHPMyAdmin Scripting Language

FWAIS will be used Object Oriented Analysis Design (OOAD) as a methodology to develop this system. Then, database development in this system that will be used is Database Life Cycle (DBLC) as a method.

### **1.5 Project Significance**

The significance for FWAIS is making the process become faster and accessible. The employer can make online application and can choose the foreign worker that have in the database. Admin will approved the application to employer and notify the status of the application.

This system will be used to agency at Malaysia as a medium to reduce times to get foreign worker data from the source country. Thorough this system, all process become more easy and faster. The foreign worker information can get through the online registration. The employer also can directly access data about the foreign worker. Then, they can make a selection.

### **1.6 Expected Output**

My expectation of this system is employer can make an online application and apply foreign worker as their employee. This system also, provides online registration for foreign worker through the agency at the source country. Employer can view all data about foreign worker and can apply if they interested. After make a selection process, admin of this system will verify the status of application whether approved or not. If the application is accepted, the agency will continue to process the application until the employer gets the foreign worker as an employee.

### **1.7 Conclusion**

As a conclusion, this chapter is explaining about the system that will be developed. It includes project background, the problem in the current system and also what the objective developed this system. This system developed based on the problem that has in the current system.

The next chapter will be explaining about the facts and finding which related with the project. Related references with this system are based on the reality situation and must have a source to approve the sources. This section also explain what the methodology will be used to develop this project.