Chapter 1

INTRODUCTION

In this chapter is briefly discuss about the overview of this project. It contains six parts. The first part is background; follow by the problem statement. Next is the objectives where the project’s goal is determined, followed by the scopes of the project. Lastly, is about the software development methodology of the system.

1.1 Background

Seri Barat Mixed Sdn Bhd is a main office of Dimensi Timal Sdn Bhd, Damai Kuari Sdn Bhd and Kuari Dinar Sdn Bhd which is located at different locations in the state of Kelantan with its major source of revenue continues to be derived from construction sector and road premix production. It is a registered Class “C” Contractor with PUSAKA BUMI, is presently managed by a professional management team with more than 20 years of experience in this sector of business.

However, the company has inefficient of communication between the branches. The main office need to manage the planning, collecting, and reporting the documents from each branch offices every day with different standard through email into a spreadsheet. This documentation, a major road premix production in premix plant, plays a vital role in producing a report. The road premix daily report forms collects information about sale, and production of each premix plant in each branch. During reporting, a clerk systematically collects, verifies, and analyses the documents to derive a date range, daily, monthly, and yearly report accordingly.

In order to replace the paper-based documentation, the main aim of this project is to develop a RPMS for Seri Barat Mixed Sdn Bhd in Web-based management system which enables operation between main branch and branch offices to communicate efficiently and effectively.
1.2 Problem Statement

Recognizing the problems to be solved is a good engineering method. The following problem statements have been discovered with Seri Barat Mixed Sdn Bhd:

i. Disorganized of communication, sharing of information, and co-ordination among main office and the branch offices thus further relief the productivities of the company in terms of resources such as time.

ii. Cost increased in collecting documents and lacking approaches through email to main office and produced a monthly report using spreadsheet.

iii. The company collected the data for sales and production every month and produced a differences of sales and productions quantities in metric tonnes of each branch using Microsoft Excel spreadsheet and had difficulties in analyzing, collecting, and managing data from each branch.

1.3 Objectives

The current problems in Seri Barat Mixed Sdn Bhd will be solved which involves three main objectives. The following objectives will be developed according to the development plan:

i. To develop a Web-based management system for data entry and management of the data and information into a database by using Laravel Framework and MySql.

ii. To develop a Web-based management system for collecting on daily reports that dynamically extracting information from different districts into a customize form of tabular and graphical chart by using Google Chart.

iii. To calculate the differences of sales and productions of road premix in metric tonnes.
1.4 Scopes

The stated scopes have been identified for the development of Web-based management system. This will be categorized into two parts, in the scope and out of the scope. For in the scope, there are two main users that will compliment in the system which are administratively from the main branch and branch. Each of them would be considered within the scope and has their roles and responsibilities in sales management, and production management until the generation of daily report, monthly report, and yearly report of sales and productions.

i. Administrator: Manager

Manager in main branch has accessibility to enter sale and production data. Main branch manager can generate report according to the date range, daily report, monthly report and yearly report. Only main branch can generate the report of each branch. The report composed of sales and productions of road premix.

ii. Administrator: Branch Manager

Branch manager has access to enter sale and production data. Branch manager also can generate report according to the date range, daily report, monthly report and yearly report. The report composed of sales and productions of road premix.