CHAPTER 1
INTRODUCTION

2.1. Background

PD Subur Jaya is a regional beverage distribution company located in Bogor. Currently, they have 4 suppliers with about 11 kinds of products in several types of packaging. They sell their goods through direct sales and phone order. Their administration includes recording all data related to sales, customers, stocks, income and expenses. They deal with the suppliers in acquiring goods, bonus way in doing claims and payment.

Currently they are using the conventional their administrative business. All things are manual and hand written. All data are not integrated. The current system can’t adequately provide them with the data they need. In addition, it is time and labor consuming. They would certainly take advantage from a computerized and integrated system.

This company is a good real life case study for system development. They are totally conventional and are open for changes. As they don’t have any IT system at the moment, they would be a very good model for integrated system development and implementation.
2.2. **Scope**

This thesis covers the analysis and design of an information system of PD Subur Jaya. The system would have these main functions:

- Controlled user access.
- Record expenses and sales
- Record account receivables (A/R)
- Remind due A/R
- Record customer data
- Elicit information regarding customer and their A/R performance
- Calculate profit, expenses, sales
- Create claim data
- Compare claim data with realization
- Elicit information related to expenses
- Get data about company state: stock on hand, sales, profit, bottles on hand, bottles receivables, account payable.
- Record purchase order, invoice.
- Show monthly target in HL (Hecto litre) unit
- Calculate whether the cost of sending x number of goods is bigger than profit
1.3. **Aims and Benefits**

The benefit of the integrated system should be:

- time and labor efficiency
- accurate and timely data
- would help the company in knowing its current state and future direction

2.4. **Structure**

Chapter 1 Introduction

The introduction will consist of background, scope, aims and benefits and the structure of the thesis. The background will cover the brief description of the company which will be used as the thesis base. The scope will provide list of functions that would be available in the system resulted in the thesis. The aims and benefits will describe the aims and benefits of the proposed system to the company. The structure would give the short description of what each chapter would consist.
Chapter 2 Theoretical Foundation

Chapter 2 will consist of 2 subchapters: theoretical foundation and theoretical framework. The theoretical foundation would provide the list of theories used in the thesis. The theoretical framework would list the framework that is adapted and used in the thesis.

Chapter 3 Problem Analysis

Problem Analysis will provide the description of company current state. This will include the current state of the company, the organizational structure, the existing system and the existing problem. To understand more about the current state, appropriate diagrams will be included in the chapter.

Chapter 4 Solution Designs

The solution design will provide the system proposed to counter the existing problem in the company. The solution design will be presented in diagrams such as use case, sequence diagram, collaboration diagram, class diagram, entity relationship diagram, and data flow diagram.

Chapter 5 Interface and implementation plan

The chapter will provide snapshot of the proposed system interface with short narration to describe the interface. The chapter will also provide the implementation plan of the proposed system.
Chapter 6 Conclusion and Recommendation

Chapter 6 will conclude the thesis and also provide the list of recommendation for the implementation and future expansion.