CHAPTER I
INTRODUCTION

This thesis concerns with an introduction, background, problems formulation, objective and benefits, problem limitation, and research method of this thesis.

1.1 Background

Bakupi Cafe is a cafe business located in Berau Regency, East Kalimantan that is engaged in the business of selling food and drinks. This cafe has been established since 2020 until now. Over the past two years, Bakupi has had an increasing number of customers. This cafe focuses on food quality and customer convenience.

Bakupi Cafe has a variety of menus, namely Salmon Mentai Rice, Dimsum Mentai, Spicy Korean Ramyeon, Chicken and Prawn Dimsum, Curry rice, Cookie Crumble Frappe, Matcha Latte, Lotus Biscoff Frappe, Thai tea original, and many other menus. From these data, we can conclude that the raw materials used are complex and numerous.

In order to differentiate itself from other cafes in Berau, Café Bakupi incorporates elements from external influences, such as the modern cuisine served in Bandung. These elements are then served at Café Bakupi. The number of customers has climbed from the first opening, which only had a seat occupancy rate of 30%, to ninety-five percent as a result of the influence of the new food sector and the extension of the space in café bakupi. This is due to the fact that people are starting to notice the influence that current food has had on the food industry. Therefore, cafe Bakupi needs to deliver the best service possible in order to keep the occupancy level at or above 95%. In order to keep the performance of the café consistent and to keep the occupancy level at 100% every night, the availability of food and raw materials in the cafe needs to be steady and recorded. Taking stock opname is vital in order to accomplish the objective.

To increase the customers, Bakupi Cafe must continue to provide the best service for customers. Therefore, raw material data processing has become a primary requirement for carrying out food and beverage service activities. This increasing number of requests has forced the Bakupi Cafe to improve the existing system at the Café. If demand increases, the raw materials used will be escalated. So it is necessary to record accurate raw material stocks to ensure the number of raw materials

available. [1]

Currently, Bakupi Cafe uses a manual system for recording raw material stocks using handwriting on a paper which can be lost or damaged at any time. In addition, records must be clear, for the in and out of each raw material, the remaining raw materials, and the final balance of raw materials used each month. The weakness of this manual system is that the recording is unclear because the recording process is through manual counting, then the recording process is inefficient because it has to use a lot of paper, and employees must always remember old records and combine them with new records.

This allows for a large number of human errors so that at any time the recorded raw materials did not match the raw materials in the warehouse. Thus, if these raw materials are needed urgently in large enough quantities, it can delay the food-making process resulting in late food preparation and consumers being dissatisfied with cafe services that are late in serving ordered food and drinks.

Therefore, to support this cafe's performance in recording the raw materials, this cafe needs to develop an information system for stock recording. The system will record incoming and outgoing raw materials, the remaining stock of raw materials, and the recapitulation of raw materials used for a specific period. The raw materials stock monitoring system can show that the raw material inventory exists and is tracking its physical condition. While the valuation method used is the FIFO method, where the raw material will be first in first out.[2]

This system is based on Android which is suitable for everyday use by all groups of people. This system can be installed on several hardware devices such as tablets, cellphones, Smart TVs, and other hardware devices that support the Android system. This system can be used by Bakupi Cafe owners and employees to input and receive reports on raw materials efficiently. From the background above, a study was conducted to develop an Android-based application system to record raw materials stocks at the Bakupi Cafe.

1.2   Problem Formulation

Based on the background above, the problem in this study is that Bakupi Cafe still uses the manual method to record raw material stocks which are inefficient and time-consuming for Bakupi Cafe employees because they have to buy raw materials during the cafe's operating hours. The technology used to record raw material stocks is Android-based, where we can track raw material stocks every day. This study aims to create an Android-based application to record raw material stocks in

Bakupi Café.

1.3   Objectives

The purposes of this thesis are

1. Design an Android-based application system for recording raw material stocks used in the inventory data collection process, so this process does not have to be done manually.

2. Design an Android-based application system for recording raw materials so that cafe owners and employees can track the stock every day.

3. Simplify the stock monitoring of food and beverage raw materials at the Bakupi Cafe.

1.4   Scope of Problem

The scope of problem used in completing this thesis are:

1. This application only recording of food and beverage raw materials at Bakupi Café

2. The raw material used are small sausages, large sausages, nuggets, potatoes, milk, Milo, Ovaltine, butter, noodles, fried noodles, Ramyeon noodles, chicken katsu, chicken wings, cooking oil, syrup per bottle, sweetened condensed milk "A", sweetened condensed milk 'B', sweet soy sauce, seasoning, liquid sugar, soda, and drink powder.

3. This application is based on Android with the Java programming language.

1.5   Method of Research

The research methodology carried out on this thesis are:

1. Study of Literature

   Learn basic concepts and theories related to this thesis from various references i.e books, journals, trusted internet articles, and conferences.

2. System Planning

   Carry out application system design and configuration by sorting required software to be used and test it.

3. System Simulation and Implementation

   Implement the system by testing it, do simulation with corresponding hardware and software and collect all required data.

4. Testing Analysis

   Analyze the data collected from the implementation and ensure the system is working properly and look for errors that may occur in the system and do a questionnaire to Bakupi Cafe employee

5. Report Writing

   The last stage of the research methodology is writing the thesis including the implementation documentation

1.6   Thesis Organisation

The rest of this thesis is organized as follows:

- CHAPTER II : BASIC CONCEPT
  This chapter contain basic concepts and theories used in the working process of this thesis that source from books, journals, articles, and conferences.

- CHAPTER III : MODEL AND SYSTEM DESIGN
  This chapter contains steps taken in system design and its implementation.

- CHAPTER IV : IMPLEMENTATION AND ANALYSIS
  In this chapter, implementation process is carried out and the software analysis data will be collected by specified parameters which then will be analyzed.

- CHAPTER V : CONCLUSION AND SUGGESTION
  In this chapter contain the conclusion of the thesis that obtained from the result data analysis.