

Chapter I

Introduction

1.1 Introduction

Basic food is a major requirement for all people whether it is for everyday needs or even for businesses related to basic food. Basic food prices could fluctuate and difficult to predict how large the increase or decline in basic food prices.

Many factors affecting the price of basic foods include climate factors, foreign factors for imported basic foods, fuel increase, distribution factor and speculative factors. For the price influence of spatial factor, it is still not known how the effect on the price of basic foods. Research on the influence of the price of basic foods from spatial factors is still rare and even no one has done. The meaning of the spatial factor here is the facility that is located around the market. Therefore, to know the facilities that affect the price of basic food of analysis needed to determine how the influence of spatial objects on the price of basic food. The author take a case study in Bandung city by taking sampling in five markets in Bandung city according to data from the Office of Industry and Trade of West Java with market details of Kiara Condong Market, Pasar Baru Market, Sederhana Market, Andir Market and Kosambi Market.

Analysis of the influence of spatial objects that affect the basic foods needs a method where the prediction methods that can be used should generate predictions with a high degree of accuracy. The author will use Decision Tree by using ID3 (Iterative Dichotomiser 3) method where this method can find the hidden relation between variables.

1.2 Research Question

1. How to recognize the objects that affect the price of basic food?
2. How does the object influence the price of basic food?

The problem is limited to execution this final project that is not too extensive is,

- a. Analysis of the influence of spatial objects on the price of basic foods will only be done in the market located in the city of Bandung
- b. The data on basic food/sembako prices will be obtained from the Department of Trade and Industry Bandung with details of the market consisting of Andir Market, Baru Market, Kiaracandong Market, Kosambi Market and Sederhana Market.

1.3 Purpose

1. Find objects that affect the price of basic foods
2. Knowing how the object influence the price of basic food.

1.4 Hypotheses

It is expected that the implementation of spatial object influence determination of the price of basic food in Bandung can produce a pattern with a high degree of accuracy and can make it easier to analyze how the influence of spatial objects on the price of basic food.

1.5 Planning

- Study Literatur

Collecting references that will support the research process, including books, journals, papers, and articles on the internet about the influence of spatial objects on the price of basic food.

- Data Collecting

At this stage of data collection according to the research conducted.

- Analysis and Design System

Perform analysis and design of the software that will be built, including determining the programming language to be used, functionality, and system interfaces.

- Implementation

Implement methods into the system.

- Evaluation and Result Analysis

Evaluation and analysis of the test results from the stage that has been done.

- Preparation of the final project report

Preparing reports on the activities and systems are built that includes a background, the formulation of the problem, objectives, implementation of the system until the results of the analysis conducted during the research.

1.6 Writing System

At the end of this systematic writing task will be divided into five chapters, which are

- Chapter 1 Introduction
In this first chapter will explain the background, the formulation of the problem, Purpose, problem definition, hypothesis, methodology of problem solving and systematic writing.
- Chapter 2: Study Literatur
This chapter contains theories that are related to the work on this final project.
- Chapter 3: Methodology
In this third chapter will be discussed system design to make analysis of the influence of spatial objects and the price of basic foods.
- Chapter 4: Results and Discussion
This chapter will discuss the results obtained and the testing of the results obtained.
- Chapter 5: Conclusions and Suggestions
This chapter will contain the conclusions and suggestions from the completed final project.