CHAPTER 1
INTRODUCTION

1.1 Background

Ikan bandeng is still be favorited to consume and also as the livelihood source for fisherman and traders. This happens because ikan bandeng is a kind of fish that is easy to be fried, cooked and even presto. As time goes by, the consumption level of ikan bandeng in Indonesia increase and this makes irresponsible traders take advantage by determining which ikan bandeng is good to consume or not.

Some kind of ways are used to be a manual alternatif to examine the level freshness. Computer could help us to find which ikan bandeng is still fresh or not. The Naive Bayes Algorithm could be used here as a method that is integrated into the system to achieve the goal by using probability ands statistic method as a way od the Naive Bayes Algorithm.

From the problems, there will be a desktop application using the Naive Bayes Classifier Algorithm, which is expected to help us to choose the fresh ikan bandeng or not

1.2 Problem Formulation

Based on the background, there are the following problems :

a. How is the implementation of Naive Bayes Algorithm in determining the freshness level of bandeng?

b. How does the application work as a tool for testing the level freshness of ikan bandeng?

c. How are the result obtains from the application as the level freshness of ikan bandeng?

1.3 Scope

These are some scope :

a. The writer only uses eyes, gills colour, and skin colour of ikan bandeng.

b. The writer uses 150 sample picture for data training, and 48 sample pictures for data testing.

c. This research only about measuring the level of freshness in ikan bandeng.

1.4 Objective

The purpose of this research is to make an application that could implement the Naive Bayes Classifier in distinguish the freshness of ikan bandeng.