CHAPTER 1
INTRODUCTION

1.1 Background

The grantees of Sandjojo Foundation Scholarship is still classified manually by UPT sector three of Soegijapranata Catholic University. This matter affected the process of decision-making could not be done quickly, accurately, and efficiently. Therefore, it often happened that the grantees of the scholarship were not right on the target. So, it is expected that this project could help the university automatically on making decisions whether the recipient is eligible or not to get the Sandjojo Foundation Scholarship.

With this project, it is believed that it can increase the accuracy of the grantees of the Sandjojo Foundation Scholarship. By using Naïve Bayes method, the determination of the scholarship grantees could be easier because of the method of learning the data of scholarship grantees that has already registered before. Then, it is converted in an arrangement of two-dimensional array which is processed and produced a probability value as the determination for each class of the data.

This project classified the data into two groups such as the eligible students and ineligible students. To receive the scholarship, the students must meet the requirements such as their GPA must be above 3,00, submit their parents' income sheet, and must be an active student in organization that is proven by scanned certificates.

1.2 Scope

Based on the background of this project, there were some problems formulation as follows :

1. Can the Naïve Bayes method be used to create a support system for decision-making to students who are eligible to get the Sandjojo Foundation Scholarship?
2. How does the Naïve Bayes method testing the application in accuracy of success?

1.3 Objective

The purpose of this project is to make a support system for decision-making of Sandjojo Foundation Scholarship grantees using Naïve Bayes method. The function of this project are also to improve the accuracy of the eligibility of scholarship grantees and test the accuracy of the system with existing data.