CHAPTER 1
INTRODUCTION

1.1 Background

Manga is a part of Japanese culture that is very popular with people. Manga can be said in Indonesia as a Japanese comic in which there are various pictures and stories. Until now, manga is still popular, especially among teenagers and the number is now more than a million pieces. In reading manga, of course everyone has a genre that they like. Many people even want to read manga online on the web that provides reading manga for free and some download special applications to read manga itself.

Due to the large number of genres that can be read, the user will be given a recommendation after the user reads the manga in the application or on the web. Usually,the recommendation system will recommend manga based on the genre they've read, the author, and the story synopsis.Therefore, a good recommendation system is needed to assist users in finding the manga that suits their preferences.if there is a good recommendation system, users can read manga according to the genre or story they like.

There are several ways to create a recommendation system, one of them is to use the Naive Bayes algorithm. By using the Naive Bayes algorithm, we only need a little user data to use to provide recommendations. for the system itself, it requires data such as title, status, chapter, genre, author, and rating given to the web or application that provides it.

Through this project, a recommendation system that uses 2 algorithms, namely j48 and Naive Bayes is developed. J48 is used to prove whether j48 can be used to make system recommendations. Why use 2 algorithms? because by comparing the most frequently used algorithms with others, it can be seen which algorithm produces good recommendations.

1.2 Problem Formulation

System recommendations are needed to recommend something according to the user's needs, especially those who want to take a rest or want to refresh after doing strenuous activities. Because we need a good recommendation system, then the problems we have to solve are:

1. Can J48 be used to provide good recommendations in the recommendation system?
2. Which one from 2 algorithms is good if someone wants to make a manga recommendation system ?

1.3 Scope

Since the focus of this project is to create a recommendation system, we must determine what scope the system is required to have. Therefore the scopes in this system are :

1) The recommendation system can only display recommendation results based on manga data stored in the system.
2) The manga recommendation system can only provide recommendations if the user has read more than 10 manga. Less than that, recommendations will be given based on the most popular manga.

The results of the recommendation system are divided into 2, namely for J48 and for Naive Bayes.

1.4 Objective

The purpose of this project is to create a manga recommendation system that can adjust the preferences of each user using the Naive Bayes and J48 algorithms. By using 2 algorithms, the results of the recommendations from the 2 algorithms will be compared. That way, the best algorithm will be obtained that will be used to make a recommendation system.