Abstract

The recommendation system is a feature widely used in software today. The recommendation system is useful for users who use a software, especially the book recommendation system, as this feature can spoil the user by providing book recommendations that may fit the desired book preferences. The recommendation system in this Final Project uses Trust-Aware method, which is the result of combining Collaborative Filtering and PageRank methods. Collaborative Filtering uses similarity metrics to perform rating calculations, and PageRank uses trust metrics to calculate each book visited by performing a synopsis show. Then will be measured test results on this recommendation system using MAE. Testing is done with 3 scenarios that use 3 different types of data amount. The test results give the numbers 1,267, 1,294 and 1,181, which means the three values do not have a difference that is not too far away. So it can be concluded that the Trust-Aware method can be used on the book recommendation system and is not affected by the number of books used.

Keywords: recommendation system, *collaborative filtering, pagerank, trust-aware*