

Sistem Rekomendasi Buku Dengan Collaborative Filtering Menggunakan Metode Singular Value Decomposition (SVD)

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Abstract

Books/novels are one of the entertainment media that has never escaped the times. For connoisseurs, books are very important because books are entertainment that will be read according to their mood. reading is also a window to the world, Due to the many titles of books that have been released, it makes it difficult for many people to choose the books they want to read. In this problem a system is needed that can facilitate users in finding books / novels that match their interests, a recommendation system is felt to be able to solve this problem.

Therefore, this research builds a book recommendation system with User-based Collaborative Filtering using the singular value decomposition (SVD) method. And accuracy measurements are made using the MAE and MSE methods and the MAE accuracy result is 0.7063 and MSE is 0.913.

Keywords: Recommender System, User Based Collaborative Filtering, SVD.