## Abstract

Platforms on the internet that deal with very large data and continue to grow require a Recommender System (RS) to enable users to find relevant information in a large amount of data. RS works by predicting and displaying the information desired by the user. Over time, RS technology has become increasingly accurate in providing predictions. However, this can lead to new problems, namely the lack of diversity in the results provided by RS which has a negative impact on users and platform owners. This research designs Hybrid RS using the Alternating Least Squares (ALS) algorithm and CatBoost to provide recommendation results that have high accuracy metric values and examine changes that will occur in metric values using anime case studies on MyAnimeList. The final results of the research will be tested using the Root Mean Square Error (RMSE) metric to measure accuracy and Cosine Similarity to measure diversity. The final RMSE results obtained along with Cosine Similarity have a better value when compared to the results of the algorithm itself.

Keywords: Hybrid Recommender, Alternating Least Squares, CatBoost, Diversity, Anime