

## **ABSTRACT**

*Film is one of the popular entertainment media in society. The number of titles that have been released makes it difficult for people to find which films they want to watch. To overcome this problem, it is necessary to have information about films that will make it easier for the public to find films that match user preferences, therefore users need a system that can provide film recommendations.*

*A recommendation system is a system that is able to provide recommendations for items that may be liked by users. Collaborative Filtering method is one of the methods in the recommendation system. This method utilizes other users' ratings in the form of ratings or other feedback to predict items that may be of interest. Collaborative filtering (CF) used is the User Based Collaborative Filtering method. The application is carried out on the website recommending films for users to watch.*

*At the testing stage, the author tests the overall functionality of the system, testing calculations, this aims to minimize errors when used by the user. Website testing uses the alpha beta method so as to minimize errors on the implementation side. The results of the test are carried out with 3,4,5 genre preferences, from the results of the 4 genre preferences test, it produces a smaller error value of 0.73%.*

*Keywords: Recommendation System, Film, User Based CF, Website.*