

Abstract

Listening to music via online is one of the main activities on the internet, along with the many digital music player applications. Most music applications make it difficult for users to choose the music to listen to, this limits the expression of user interests. Therefore, a conversation-based recommendation system is needed so that it can help find music that matches the user's interests. Through conversational interactions, users can reveal the functional requirements that recommenders use to find the most suitable music. In this study, the writer applies a music recommendation system approach using a user-based collaborative filtering method built on the chatbot platform. This method is able to generate music recommendations using the rating from the user as a parameter. The average rating from users is 3,47. The results of the performance measurement on the music recommendation system that used the user-based collaborative filtering using the Mean Absolute Error evaluation metric of 1,43. In addition, the results of the level of user satisfaction survey an average value of above 80%.

Keywords: music, recommender system, user-based collaborative filtering