ABSTRACT

Music is one of the most popular forms of entertainment. Along with the development of information technology, music streaming platforms such as Spotify, Apple Music, and Deezer are increasingly popular among users. However, with thousands of songs available on these music streaming platforms, users often find it difficult to find songs that suit their tastes. Therefore, there is a need for a music recommender system that can assist users in finding songs that match their preferences. In this research, the author proposes the development of a content-based music recommender system using a combination of Content-Based Filtering and Deep Neural Network (DNN) methods. The DNN used is a Convolutional Neural Network (CNN) which functions to increase the percentage of accuracy and produce diversity to provide results that suit user needs. This research aims to develop a music recommender system that can provide personalised recommendations to users according to the preferences of users.

Keywords: music, content-based recommender system, deep neural network, convolutional neutal network, spotify