

Abstract

Genre, Mood and Tones are a variety of categories that are owned by a song. Because more and more a collection of songs this time, manually search for the song will be difficult, especially with the specific category. So it takes an application that can handle such cases[18,4]. In this final project will be built an application by combining the feature extraction for genre, mood and tone. On genre feature extraction Bass Frequency Variation, High Frequency Strength of Half Beat, Mid Frequency Beats, Mid Frequency Beat Offset, General Spectral Power, Attack Velocity are used[15]. On mood feature extraction is using timbre features extraction [3,10,11] and Harmonic Fast Fourier Transform [8] is used for tone feature extraction. Then Euclidean Distance is used for calculating the similarities[5,14,17]. After the similarities are obtained, will be given a weight on each category which later will be added, so that combination of the three categories are obtained. Development on this application 420 data sets are used with the distribution of reference 410 data and 10 test data. Genres that are used such as rock, pop and dance. Mood divided into two, good and bad, and twelve tones This Application is tested by people who love to hear music , can play music and understands about music. The test result shows that this application is effective on rock genre, any moods, any tones

Keyword: *Information Retrieval, Search Engine, Genre, Mood, Tone*