Abstract

Music digital library needs more simple, flexible, and advance search mechanism to suit to user individual needs. Hence needed more befitting index retrieval method and the really good one is the one that can facilitate the search with its psychologic and social function. Indexes referred will specifically focus on information about style, mood, and music similarity.

Refer to the problems above, methods have been developed for information retrieval from music using knowledge from other previous researches in genre classification and speech recognition, one of them is using fuzzy approach. Subjective nature of human perception in classifying emotion suggest that fuzzy logic is a more appropriate tool for this problems. Fuzzy based methods have ability to face problem that require reasoning process such as emotion modeling in music emotion recognition. Thus, fuzzy with two different learning method will be used for the result of each will be analyzed.

Keywords: music emotion recognition, fuzzy inference system, music information retrieval, fuzzy k-nn, anfis