

## Abstract

Music develops fast now. So, there are a lot of songs which written by many composers. This things progresively open the possibility of music similarity in each song that has been composed and songs plagiarism by irresponsible person . Plagiarism is one of matter that hardly opposed in music.

In this final project, the author will solved this problem. Plagiarism will be examined by system applying music pattern matching. In this case, the method that applied by the author are SIA(M)E and EMD methods, which will compare two music files with MIDI format.

Both of this methods can apply music patern matching well, either from performance side or accuracy of matching. Although SIA(M)E method requires long proceses time, this method gives more accurate result.

**Keywords:** music, plagiarism, *music pattern matching*, SIA(M), EMD