# Abstract

Optical Character Recognition (OCR) software has been growing rapidly along with the growth of artificial intelligence science. What will the final assignment to do in this case is an attempt to make the computer "intelligent" enough to be able to analyze and classify guitar accord in the song text characters in the form of image file as scanner result. This concept can be used in various fields like culture and education systems, training and thus enhancing the process of human computer interaction (HCI). This program was made to implementation image correlation method as a different ways of OCR. Image Correlation conduct character recognition by comparing image patterns with image template. This method conduct character recognition by moving template to every position in a image and evaluate equality level from each position which have been passed by. Character recognition accuration using this method depending on image condition and template size. This software expected to help user as guitar player of beginner in learning existing guitar accords, thus this software supported by existence of optical character recognition facilities so that user can learn guitar accords quickerly and easily.

**Keywords**: *Optical Character Recognition, Template Matching, Image Correlation.*