ABSTRACT

APPLICATION OF RECOGNITION AND LEARNING CHORD GUITAR BASED WEB

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In this final project is designed and manufactured Applications and Introduction to Web-Based Learning guitar chords by applying the Fast Fourier Transform Algorithm on an application being made. This application is created using PHP and Java programming language.

Application Introduction and Learning guitar chords are made as a medium of learning that aims to facilitate the activities of learning guitar chords. This application is made in the form of websites and desktop forms. At the application site aims to means of information required in learning the guitar chords, where there is data processing done by the teacher in managing pupil data, materials, and data problems. On the desktop application intended as a medium of learning that prioritizes practical.

Guitar chord is a collection of three or more tone and establish a tone in a chord. A chord has to have an assessment of frequency, so in this case there is no recognition process the input signal or vote for the new converted into frequency. Desktop applications using Fast Fourier Transform algorithm for multiple input detection process the incoming tone. These algorithms used to analyze and select what frequency scale resulting from an input tone on the guitar to match the standard provision in a tone frequency. The process of sound recognition are included on the guitar tuning, exercises and games.

Keywords:

Application Of Recognition And Learning Chord Guitar Based Web, Fast Fourier Transform, chords, Sound Recognition Online.