

## ABSTRACT

In the development of mobile gadgets, there are many types of gadgets are offered to consumers. One gadget that is currently selling the android gadgets. Android is a linux-based operating system. Android provides an open platform to developers for creating your own application. Android current applications are extremely diverse. Doog gaming applications, GPS, multimedia, and many others. Android application built using java programming language. Utilization of a gadget for musical purposes. In the word of music today has no tool names tunner. Tunner is used to detect the tone (frequency) of a stringed musical instrument for harmonizing tones so users can play music wirh a tone of harmony, but now the price of the tunner is still quite expensive.

Based on the above problems, at the end of this project has made an application for the android operating system that can replace the function of the tunner. This application uses the microphone of the mobile phone as an input into the application, after which the application will detect the sound and the screen displays the phone to be known by user do users can adjust the tone according to the desired tone. Software to be used is eclipse. Eclipse is use to assit in the development program into the android platform.

In this final project has created an application that can detect the tone of a stringed musical instrument. So that user can sync musical tone easily and correctly. And do need to buy a tool that is quite expensive these tunner.

**Key words:** android applications, *Tunner*, musical instrument, microphones, Eclipse, tone.