# ABSTRACT

The whiteboard is the main means of teaching and learning in the world of education. Until now, almost everything included in the world of education still uses the manual way to erase the whiteboard, namely by human labor. This requires time which can reduce the efficiency of teaching and learning activities. Therefore, an application is made in the form of an android mobile application for a bluetooth and arduino-based whiteboard eraser system. The language to be used is the java programming language and android studio as the official Integrated Development Environment / IDE for Android application development. In this application there are 2 ways, namely selecting fields manually and by voice. In this final project, it can be concluded that the application can be used with a bluetooth network connected to the device and can make it easy to control the whiteboard eraser by operating the application through manual selection and with a sound that matches the test results.

**Keywords:** *Whiteboard, Whiteboard Eraser, Java, Bluetooth, Android Studio, Speech Recognition.*