

ABSTRACT

Running text is one of digital media for displaying information to the public which displayed by LED (Light Emitting Diode). However, the information displayed must be always up to date, in other words as much as possible the information which displayed is the latest information. Therefore needed device that can change the information in running text quickly and practically.

In this final project, the author makes a running text with a microcontroller. The information of running text can be updated through Android phones with bluetooth communication. In the Android phone, the author makes an application that can send character to change the text contained in running text. Information which is sent will be received at the bluetooth module and it will be processed in the microcontroller then it can be displayed on the LED.

This running text is expected to facilitate user to change the information in running text through Android phones with bluetooth communication. Bluetooth feature is also available at many Android phones, so it can run this applications that have been made. This device is also expected to shorten the time and simplify changing of information in running text.

Keywords : running text, microcontroller, bluetooth, Android