ABSTRACT

In the current motorcycle security system, security is less guaranteed, it can be proven by the existence of motorcycle safety reports. Therefore in this Final Project will create an additional security system on motorcycles that use Remote systems that are useful for starting and shutting down motorcycle engines, GSM modules used to transmit SMS and using GSM technology that can be used to activate or activate motorcycles through SMS messages, and a GPS module for tracing motorbikes, which is based on Arduino microcontrollers. In this system the motorcycle lock is replaced with the Remote Switch Wireless Switch which if pressed on the A button will activate the functionality of the ignition, if activated Button B will activate / start the motorcycle engine.

Keywords: Microcontroller, Wireless Switch, Thermocouple, Piezo Vibration, Bluetooth, GSM, GPS.