

DESIGN AND DEVELOPMENT OF START ENGINE SYSTEM ON MOTORCYCLE USING ARDUINO UNO BASED ON ANDROID

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ABSTRACT

The ignition system on a motorcycle which also functions as a motorcycle safety device needs to be designed and made possible by seafarers to avoid the loss of a motorcycle from theft. This equipment designed to turn on the contact and shut off the engine as well as motorcycle safety uses a mobile phone instead of a conventional key with the Android system via a WiFi network. Wifi input using Arduino uno. Using an arduino uno wemos microcontroller which is a development microcontroller based on the esp8266 microcontroller module as a solution to the high cost of another microcontroller-based WiFi network system. With this system, it is very helpful for motorbike owners to promote and turn off motorbikes only with their cellphones from near or from a certain distance.

Keywords: *Motorbike, Start Engine, Esp8266, Smartphone*