ANDROID-BASED REMOTE CONTROL OF MOTORIZED VEHICLES

NURDI DWI WAHYU
Informatics Study Program, Faculty of Science & Technology
University of Technology Yogyakarta
Jl. Ringroad Utara Jombor Sleman Yogyakarta
E-mail : nurdiwahyu@gmail.com

ABSTRACT

Motorbikes are private vehicles that are widely used by people to travel near or even to distant places. In general, motor vehicle security systems still have many shortcomings, so additional security systems are needed to protect against theft. In this research, a vehicle security system was developed that integrates a microcontroller with an Android application. This system consists of hardware such as GPS Ublox Neo-6M, NodeMCU ESP8266 as the main controller, and relays. The GPS module is used to track the vehicle's location directly. From the Android application you can control the motorbike by using the NodeMCU ESP8266 to activate the relay connected to the motorbike's electricity to function as turning on or off the motorbike engine.

Keywords: Motorcycle Security, NodeMCU ESP8266, GPS Ublox Neo-6M, Relay, Internet of Things.