

ABSTRACT

Motorcycle are one of the the most popular vehicles in Indonesian. With so many people using motorcycle, there are also many people who experience difficulty finding the location of their motorcycle while parking. At this time people search for the whereabouts of their motorcycle by using their own memory, and if they forget, it will be difficult for the owner of the vehicle. So with this motorbike location detector, it will greatly assist vehicle owners in finding the location of their vehicle when it is parked. Therefore this tool is very suitable to be applied to vehicles. This tool is equipped with a GPS module which functions to detect the coordinates of the location of the motorbike, if the motorbike is lost, this GPS module can make it easier to find it. The GPRS module functions to control the devices on this tool by using the SMS or short message feature, the bluetooth module functions to connect existing applications on smartphones with this tool, the Buzzer functions as an alert for the presence of the vehicle by emitting a sound, and the LED functions as notify the whereabouts of the vehicle by issuing a light. In this tool, there is a GPS module that can generate the coordinates of the location of the motorbike, and this GPS module can be activated using the GPRS module via SMS messages, then the GPRS module can also activate existing devices such as Buzzers and LEDs using SMS messages. The bluetooth module can control existing devices such as GPRS, GPS, Buzzer, and LED using the application.

Keywords: Bluetooth, GPS, GPRS, smartphone.