ABSTRACT

Motor vehicles are one type of transportation to make it easier for people to move places. However, mistakes often occur such as losing the ignition key, damaged ignition keys, even more serious crimes such as theft of motor vehicles. This encourages motorcycle manufacturers to design a security system that can increase the safety and comfort of consumers using motorbikes. Therefore, a motorized vehicle security system using Voice Command via a smartphone is designed. This tool has a voice command feature that can turn on and turn off a motorized vehicle so that it can minimize problems if the vehicle ignition key is not found. In this tool there is a Neo-6m U-blox GPS which functions to determine the coordinates of the location of the presence of motorized vehicles and also there is a security system that can connect and disconnect the electricity of motorized vehicles to prevent in the event of a crime. From the results of the system testing on the tool on each button it can function when the appliance gets electrical energy and a stable connection, with a voltage at 5v for each component of the tool, the network on ping 71ms system will run in an average time of 2.02 seconds.

Keywords: Voice Command, GPS Ublox Neo-6m, Maps, Security system.