ABSTRACT

The system of GPS Tracker was designed and implemented with microcontroler, GSM&GPS module, and short message service (SMS) as data sender medium, has ability to send information of vehicle position in the form of latitude and longitude. This system uses memory card (SD Card) that embedded on this tracker as data back up.

In this final project, the tracker that positioned in the vehicle is going to send information of vehicle position to receiver continuously. Receiver, in this case, is a mobile phone with a GSM number that will receive information from short message service.

The result of final project, the GPS tracker is able to run basic function like has been tried on the functional test. On the first performance test, is test of delay, it has many factors out of the tracker, impact to the result of delay, while on the second performance test, the GPS tracker can save the information of GPS every second during one hour.

Keywords: GPS, tracker, SMS