

ABSTRACT

Internet of Things is a concept where Internet connectivity can be utilized as an exchange of information between devices, one of which is to anticipate from theft vehicle. In anticipation of no theft of the vehicle is required a device controller and monitor integrated with embedded system (embadded system) that can be monitored remotely. The Internet of Things application for vehicle controllers and monitors is a technology that utilizes the application as a user interface and device as a machine control that is enabled to turn off and track the vehicle. In the controller and monitoring device there is a GPS (global positioning system) used to perform monitoring or supervision of the position of the vehicle. In this thesis research is trying to make the application of Internet of Things to control and monitor the vehicle by using raspberry device pi 3, GSM modem, GPS mudule, and DC relay. The result of position data received by the server directly (realtime) will be displayed through the mobile application (android) with visualization integrated google maps API.

Keywords: *Internet of Things, raspberry pi, gsm modem, gps module, DC relay, server.*