

ABSTRACT

Development of a Waste Transport Truck Tracking Device With this GPS Module it supports the transportation of transport trucks online to ensure that the transport of waste including (B3) is in accordance with the treatment plan before being discharged into the environment. Then designed a system consisting of a microcontroller, GPS module, SIM800L, HC-SR04, and a load cell mounted on a truck. The aim is to release the truck so that it is not thrown away. The advantage of this device is that it can display truck movements, display contents and weight on the tank of the truck. The results of this test can determine the position of the truck with the coordinates received from the GPS module and the contents and weight of the truck tank can be understood. Which is then transferred to the database using GPRS communication.

Keywords: Microcontroller, GPS, Prototype, and Online.