

ABSTRACT

The high mobility needs in today's society is directly proportional to the needs of the vehicle can be a lull. One cause of congestion is the number of drivers who parked carelessly in the parking ban. Therefore, implemented a system using Global Positioning System (GPS) that can help officers to know when there are vehicles, especially motorcycles parked diarea ban by providing notification via mobile phone officers. The accuracy of GPS is not so good then, it is implemented Kalman Filter in order to reduce errors from GPS. Kalman Filter can provide an increase of 2.77 meters.

Keywords: Motorcycles, Monitoring System, Kalman Filter, GPS