Abstract

Now more and more transportation vehicles are land, sea or air. Increasing the vehicle, the buyer or population is even more dense. The increase in population and vehicles makes road accidents increase, one of which is four-wheeled vehicles. Accidents have many determinants including when overtaking vehicles and when maneuvering where accidents cause various losses both the driver or the environment. So to minimize accidents due to driver behavior is made " Complementary Filter Reads Angle Of Four-Wheeled Vehicles Mounted On The Steering System". Intended to see the behavior of the driver when doing when driving a four-wheeled vehicle. This tool uses the IMU (Inertial Measurement Unit) which is very useful in navigation and control systems. The IMU consists of six degrees of freedom composed of three accelerometer sensors and three gyroscope sensors, each of which is placed on three axes (x, y, and z) and perpendicular to each other.

Keywords: IMU, *Accelerometer,Ggyroscope*.