

ABSTRACT

At the time of growing needs, now costs for personal needs such as petrol for motor, motor service for time, eat, drink, and others. Although the motor vehicle is not a staple, almost everyone uses it. Motorists need to be treated in order not easily broken. But not everyone remembers the time service of motor vehicles. To prevent damage then needed a system that can alert users of two-wheeled vehicle.

In general the time service two-wheeled vehicle as seen from the distance traveled as well as the tempo of the month. It was used for the Microcontroller and the Rotary Encoder. By converting the rounds into the distance, then the time of service. When approaching the time of service, it will be given a warning. The system of service displayed on the LCD.

Digital odometer testing results obtained output voltage on the power supply of the voltage, 4.66 V while active sensors amounted to 4.48 V and when not active registration 0.107 V, testing the distance per 10 kilometers to automatic mode and manual work. The results of testing with different speed variants can be known to it and the system can inform the time of service.

Keywords: Microcontroller, Rotary Encoder, Service, Two-Wheeled Vehicle.