

ABSTRAK

Pada kesempatan kali ini saya akan membuat alat yang berjudul "RANCANG BANGUN PENDETEKSI KETINGGIAN LEVEL CADANGAN AIR RADIATOR PADA SEPEDA MOTOR BERBASIS ATMEGA328". Perancangan sistem ketinggian level air radiator ini memanfaatkan sensor ultrasonik yang berbasis ATMEGA 328 akan mengetahui ketinggian level air radiator yang dibuat dengan level-level tertentu dengan keluaran menggunakan alarm berbasis lightvoice alarm yang berkerja secara real time untuk memberitahukan level ketinggian level air radiator secara langsung. Untuk pengujian pengiriman *Message Service Gateway* (SMS) di dapatkan relatif lebih cepat dibawah 7 detik dengan penggunaan 2 provider berbeda.

Kata kunci: Ketinggian air, sensor air, LED, sim800l, Arduino pro mini

ABSTRACT

The increasing number of motorbike riders whose motorcycles broke down due to engine heat (overheating) and the lack of a vigilance system for the height of the radiator water level on motorbikes (engine cooling). With this situation the author hopes that this tool can be used optimally by the public, especially motorcycle users. The radiator level water level system will heat up when the motorcycle is running. This uses motorcycle users not knowing when the radiator water has run out. Therefore, this automatic system design can determine the height of the radiator water level on a motorcycle. The design of this radiator water level altitude system utilizes an ultrasonic sensor based on ATMEGA 328 will find out the height of the radiator water level that is made with certain levels by output using an alarm based lightvoice alarm that works in real time to notify the level of the radiator water level directly. For delivery testing, Message Service Gateway (SMS) is relatively faster under 7 seconds with the use of 2 different providers.

Keywords: water level, water sensor, LED, sim800I, Arduino pro mini