

ABSTRACT

Care on the car is a vital thing to do, the car must be treated regularly in order to perform always good. But because of the hectic schedule, car owners often forget to take care of the condition of his car. Air cleaners, brake pads, and batteries are three things that are big enough to affect the performance of the car, if the air cleaner is too dirty it will hamper the air coming into the combustion chamber so that it can cause the car to spend more fuel, the brake is also a very car part required in running the car, if the brakes do not work properly it will cause an accident, so also with the battery, if the voltage on the battery does not match it should make the car difficult to start (start), the most severe is the car can suddenly strike because the battery is broken. Monitoring the decline in the function of air filters, brake pads, and batteries depend not only on kilometers, sometimes before reaching the specified kilometers the three components may have decreased function. Therefore, it has been designed a Monitoring System For Decreased Function of Air Filter, Brake Pad, and Accumulator and Car Maintenance Periodically Using Microcontroller to help provide reminders to the owner when the three components have decreased function or when it's time car maintenance. From the results of testing the system on the vehicle shows that the system can run well with the accuracy of the out time notification obtained is 100%.

Keywords: Car, Air Cleaner, Accumulator, Brake Shoe.