Arduino Uno Based Car Parking Sensor Prototype Using DFPlayer Mini

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ABSTRACT

At this time the car is a means of transportation that makes it easier for humans to travel, however drivers often experience problems parking their vehicles. So an arduino uno based car parking sensor was made using the mini dfplayer to make it easier for drivers to park their vehicles. In this study using one sensor, namely the Ultrasonic Sensor HC-SR04, in this study using a variation of the distance of 100 cm, 30 cm, 20 cm, and 10 cm. The purpose of this study was to analyze the accuracy of the HC-SR04 ultrasonic sensor. The results of the ultrasonic sensor sensitivity test HC-SR04, the average percentage of error was 4,3 %, the study showed that the percentage error was smaller than in previous studies.

Keywords : Ultrasonic Sensor HC-SR04, Arduino Uno, Mini DFPlayer and Sensitivity Sensor Test

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