

RANCANG BANGUN SISTEM KEAMANAN SEPEDA MOTOR DENGAN RADIO FREQUENCY IDENTIFICATION (RFID) DAN WEMOS D1R2 BERBASIS MIKROKONTROLER

by

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ABSTRACT

The purpose of this research is to find out how to design a motorcycle security system and determine the effectiveness of a vehicle security system with an RFID sensor MFRC 522 and wemos D1R2. The design used in this research was the design of a vehicle security system tool by made a design that used Wemos D1R2 as a microcontroller with an RFID sensor as a reader sensor and a servo motor as a driving system. The results of this research indicated that when the programmable RFID tag brought closer to the RFID sensor, the Wemos D1R2 could read it as a microcontroller and then gave a command to the servo motor to pushed the pin so that it could lock the disc brake.

Keywords: MFRC 522 RFID Sensor, Vehicle Security System, Wemos D1R2, Servo Motor.