

DESIGN AND CONSTRUCTION OF HOUSE DOOR SECURITY SYSTEM USING RFID AND FINGERPRINT BASED ON INTERNET OF THINGS

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ABSTRACT

The security of house doors in general that is used by the community still uses keys, where users have to open or lock the door of the house at close range and sometimes the key is still left on the door due to negligence. In addition, keys are often lost or duplicated so that they can be opened by thieves. Therefore, a door security is needed to overcome problems in the house door system by making security technology for door access by designing a door security system using RFID Sensors and IOT-Based Fingerprint Sensors. Accessing the door can be done using RFID and fingerprint and monitored from the blynk application. Based on testing, the results obtained are 100% accuracy for RFID and 80% accuracy for FingerPrint.