

Designing and Testing Electronic Locker Using Fingerprint Sensor

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ABSTRACT

Locker is a place to store stuffs for the owner within a certain period. There are many places that offer luggage storage services for various reasons that cause the owner leaves his stuffs. However, the place of stuffs storage is sometimes not well guarded even left unattended. It causes negligence in placing the stuffs or even the case of loss of storage items. Therefore an electronic locker was created using a fingerprint sensor as a security system and a website-based information system that can only be accessed by the admin containing customer information and the total cost when the customer uses the locker for a certain period of time. A locker using NodeMCU functioned as a microcontroller of all components. It also functioned to send data via wireless through fingerprint sensor to the website where data were saved to a database that created using Xampp.

Keyword : Fingerprint, Item Storage Locker, Website, Xampp