**ABSTRACT** 

Locker is a facility that people usually use to store their belongings. Lockers

are usually found in lecture buildings, office buildings, tourist attractions and other

public places. Usually lockers that are commonly found still use conventional keys,

resulting in security of goods inside the locker that are still not guaranteed security

(Based on the results of the questionnaire the author made, 64.7% said conventional

lockers "May be Safe" and 25.5% said "Unsafe"). In addition, conventional locks

also allow the lock from the locker to be lost

In this final project, Locker or storage uses a QR Code (Quick Response

Code) as a security system that is integrated with the microcontroller as hardware,

website and android as the software. The website is useful for seeing which lockers

are not used and login as a admin. To open a locker, it is required to scan the QR

Code attached to the locker using an android application, after the QR Code matches

or correctly it will be processed on the microcontroller (NodeMCU ESP8266).

Selenoid serves as an opening and closing door locker. The advantages of the QR -

Code itself, besides being safer, can also be scanned using a smartphone, where

smartphone is always being carried anywhere and everywhere so there is little

chance that it will be lost.

Based on the results of the tests that have been done, the hardware and the

MyLocker Website are running well. Locker can open using the available QR Code.

And this MyLocker website works well, such as being able to see the number of

registered users, viewing revenue and monthly locker usage, validating top up

users, viewing MyLocker user data and the last being able to see current orders and

order history. All functions on the website works fine.

Keywords

: E-Locker, Selenoid, Mikrokontroler, NodeMCU, QR-Code,

Website

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