

IMPLEMENTASI WEB SERVER UNTUK AUTENTIKASI PENGGUNA DAN KONTROL PADA PINTU *FINGERPRINT* DAN PINTU *RFID*

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Abstract

North Kultubai Building 2nd Floor Telematik University Telkom's expertise group has been using fingerprint technology to access the room. However, the technology still has the lack of user data is still stored in the device memory, no user history data, no time management open and close the room and no time limits users in accessing the room. This research implements a web server for user data authentication and access control on the door. In addition to maximizing the use of RFID technology at Telkom University, this research also use RFID technology to access the room. Raspberry Pi is used as a bridge between Device Node and web server.

Based on the test results obtained good results for all test parameters. Parameters tested during the authentication process are door schedules, user data in the database, permissions and user lifetime. In the implementation of web server succeeded in storing fingerprint and RFID data so that registration process is done only once and users who can access the room only the user whose data is stored in the database that has fulfilled some parameters that is door schedule, user data on the database, access rights and active users. In open door testing in superadmin mode, the door can be opened through a web page that is already available.

Keywords : Web Server, Fingerprint, RFID

