ABSTRACT

Security system technology has grown very advanced, especially on the door security system. Wireless networks are one of the technologies used so that we can control our homes at any distance. It makes the security system of the existing door that can be accessed using RFID, Bluetooth, or barcode.

But usually such a system is only used in private rooms such as houses and apartments while public rooms such as meeting rooms seldom use the system. In this final task will be created application for security system door that can be implemented in public room such as meeting room. The goal is so that we can filter people who can access the meeting room. This is because the generated Qr code is unique, it can only be used by one user, and has a time limit. The app will connect to the Internet and database which makes us can request room access anytime and anywhere.

From this research obtained results based on testing black box that user applications and admins can run as expected. Testing questionnaires from 30 correspondents got an average yield of 82% which is very agreed. From the feedback form, there are 15 respondents who often book rooms and feedback reports can be seen in the appendix.

Keywords*: Door lock system, QR code ,Smart Building, IoT.*