ABSTRACT

The security system at locking currently still uses a conventional key-shaped manual security system because the security is less comfortable because the use of manual security systems is vulnerable to problems such as stored keys and duplication on keys. Making Radio Frequency Identification (RFID) a solution for replacing conventional keys in lockers, but RFID also has disadvantages such as RFID chips that are easily damaged. One who can use RFID is an application that uses MyLocker which already uses QR Code (Quick Response Code) technology to make it easier for Users to rent lockers.

The MyLocker application is designed using Android Studio and QR Code technology. In the MyLocker application, users can see some information such as viewing lockers that have been filled or that is still empty, looking at the duration of the loan and the price that must be paid as long as the User is still borrowing the locker. The MyLocker application has the main function, which is to order lockers and lockers can be opened by scanning the QR Code on the locker. In addition, Users can also replace the balance that the User receives is not sufficient.

The MyLocker application that has been made is able to facilitate the process of borrowing lockers. The MyLocker.APK file size is 49.08 MB. According to the results of the questionnaire, obtained MOS with a final value of 3.7 which means that the application is easy to use, has an attractive appearance and runs according to its function.

Keywords: QR Code, Android, Locker, MyLocker.