

# ***RFID STORAGE LOCKER BASED ON ARDUINO USING SOLAR PANELS***

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## ***ABSTRACT***

*Lockers are places used to place and store items such as luggage or other valuables. Usually these lockers are placed in crowded places such as shopping centers, tourist attractions, or other places that allow people to carry a lot of luggage or heavy luggage. Because of its function as a place to store goods, the security system must be improved. Not only from the humanitarian side, but also a more accurate security system. There are many incidents of luggage or goods stored in lockers being lost due to negligence and lack of security review from the human side or its users. Conventional locks can still be broken into by irresponsible people. This research functions so that security on lockers can be improved and the potential for theft or burglary can be overcome. This security system uses a solenoid door lock and RFID (Radio Frequency Identification) where each card has a unique code so that it cannot be exchanged with other cards. Using a solar panel power source gives the potential for this locker to be placed in an open place.*

***Keywords:*** *locker, RFID, solenoid, key, security*