

ABSTRACTION

Removing a car from a garage is certainly a routine activity. The garage itself is useful to protect the car from thieves and solar heat. The opening of the garage door manually additionally tiring is also troublesome because when the car wants to enter the car owner must first open the garage door. In this final project is made an automatic car garage door system which controlling system using remote RF 3215 where when the remote button that contains the command open the garage door on tap, then the garage door will open automatically. With this system the owner of the car does not need to get off the car to open the garage door manually, just keep it in the car and push the button that contains the command open and close in Remote RF 3215 then the garage door will open/closed in accordance with the orders of the car owner. This research is done by designing, creating and implementing system components which include atmega 328 microcontroller as process controller to activate stepper motor as opening or closing automatic garage door. The results showed that the tool is made to function properly and can be developed as expected.

Keywords: Remote RF 3215, Atmega 328 Microcontroller, Stepper Motor