

## **Abstract**

*Security is an important thing for us, increasingly the difficulty of getting a job, many people do a crime such as stealing. But with increasingly advanced times, technology for security is increasing. Therefore, this research make automation for locking of room door using habits. This process is make with Naïve Bayes method. The method is use for processing the dataset from user locking doors on certain days and hours. Load cell and HX711 and PIR will also be an additional variable in this study. Solenoid door lock and ESP8266 are installed on the door to lock and ulock automatically. The result of this research is the system successfully to lock or unlock the door according to habit of the occupants of the rooms and the resulting accuracy is 72% .*