

## **ABSTRACTION**

Door security is most important factor at building security system. Because people very often access through the door. With the ability of Hand Phone communicating by serial, the SMS (Short Message Service) facility can be used for transmission and data controlling, such as locking-opening door house as one of alternative to increasing door security system. This Final Assignment explains the ability to control door lock simultaneously to open or to close through SMS.

The system consist of a Hand Phone indirectly connected to the door lock which is a solenoid that's connected to the Hand Phone through a more portable media, which is microcontroller, regardless of PC (Personal Computer). This system which 5 users able to accessed has 2 layers of security, by filtering the Hand Phone number and password. Beside that this system able to send message to user about the door house lock's condition. This system can work properly, performance pursuant to time execute tested by comparing time calculation and examination. Difference time is about 1-1.5 second.

*STTTTELKOM*