

## **ABSTRACT**

*Smart Home is a system used for connected to all things in home. Smart home can help home owner to control electrical equipment and home security centered in one controller. Controller in smart home is smartphone home owner that connected to Raspberry Pi 3. Raspberry pi 3 can be system center and smartphone be control center.*

*This smart home have two system that is automation system and security system. This automation system can control the relay module to control the outlet and can turn on or off the electronic equipment connected to the outlet. This security that smoke sensors for tell home owner if there was a fire via telegram application. If home owner want to enter into home don't use key but can with message via telegram application.*

*As is this system then home owner can save power and add comfort moment in home because home owner can control system in home with smartphone anytime and everywhere.*

*Keywords: : Smart home, Smoke Sensors, Raspberry Pi 3, Smartphone, LDR, Modul Relay, Telegram*