

ABSTRACT

News about kitchen fires usually heard that causes by gas leakage. Besides that, human error could be one of the factors that makes the LPG explode. for example, forgot to turn of the stove after cooking. Based on that case, need a system that can monitoring the kitchen, control the stove and exhaust then send a notification to the user. Notification and controlling system could be set via Telegram Messenger. Hopefully this system could be reduce the volume of house that cought on fire causes by gas and other human error reasons, the users can monitor the kitchen situation directly without any worried. Examination of this system with a monitoring scenario, controlling system, and notification system using a internet network and 5V electricity. this project is done 100% and will continue to develop become a better and usefule system, especially for Indonesia.

Keyword : wildfire, gas leakage, human error, monitoring, controlling, notification, network.