

## ABSTRACT

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*Safety systems in kitchen still use manual systems or nothing systems to detect danger around of kitchen, based on the background of the problem,system use Internet of Things designed to control the stove remotely using the Android app. The security system consists of Wemos D1 mini microcontroller system and servo motor to automatically turn off the stove, and there are three sensors namely fire, temperature and gas sensors that serve as inputs in the system, from the test results it is known that all tests are done in accordance with the procedures such as For example servo motors have moved to turn off the stove if fire is detected under certain conditions, then the second is on the Gas sensor also runs smoothly when under certain conditions will turn on the exhaust fan to remove the gas out of the room. So all the components when combined to Wemos D1 mini and have run with the procedure.*

*Keywords: Kitchen safety, smart kitchen, servo motor, ESP8266 module, gas sensor, fire sensor*