

## **ABSTRACT**

*Existing electric stove not currently have a system timer to set the cooking time so sometimes cooked dishes become too mature and make wasteful use of electrical energy due to forgetting to turn off the electric stove.*

*In this final project created a system that will automatically shut off the electric stove and provide a marker buzzer. Working system of this tool is automatically shut off the electric stove with a set time via the keypad. The time will be displayed through the LCD which is then connected to the Arduino Uno microcontroller. Then the microcontroller output is connected to a series of relays and timers contained a marker buzzer.*

*The output of this system is a device that can automatically turn off the electric stove and remove the marker a buzzer that goes off for 5 seconds. The success rate of the relay circuit breaker and connecting electric stove at 100%. The success rate of a buzzer which sounds after power failure stove is at 100%. Thus the maturity of this marker system can be implemented on an electric stove.*

**Keywords:** *Electric stove, Microcontroller, Relay, buzzer*