ABSTRACT

Internet of Things, also known by the acronym IoT is a concept that aims to extend the

benefits of internet connectivity that connect on an ongoing basis. As for capabilities such as

data sharing, remote control, and so on, as well as on objects in the real world. Kitchen

devices such as that of the University kitchen laboratory in Telkom has lots of facilities that

should be in a desirable and monitored the use of human. Such as lights and water taps are

often the small things that are overlooked by users of the kitchen, because the second deadly

often forget him before leaving the kitchen.

Microcontroller device used in the system of smart kitchen this is ESP8266 where the

ESP8266 function to set the incoming data to control servo motor water faucets are also

integrated by relay lights also solenoid. It also serves to connect to the database at

Thingspeak, which will store the data from the system to turn on the IoT and turn off the

lights and water faucets through Android applications.

Testing of the system has done a smart kitchen and menyalan to turn off the water

taps and lights pengimplementasikan Testing Laboratory of the University Kitchen done in

Telkom, the tool works well and carried out testing the value of the delay on the application

to the device when the lights are turned on to happen when 8.3 seconds and delay turned off

ensued delay 7.3 seconds, as well as water faucets turned on 9.11 seconds delay occurs and

when turned off ensued delay is 9 seconds.

Keyword: Internet Of Things, Thingspeak, Smart Kitchen, ESP8266.