CHAPTER 6
CONCLUSION

Final conclusion that can be taken after the trial in terms of Functional and performance of project home automation system design using Node Red is:

1. In accordance with the results of publish topic experiment 1000, 10000, 50000, and 100000 on the MQTT server, does not show an increase in memory usage. Due to the MQTT protocol running over the TCP / IP stack, and has a small data packet size with low overhead (minimum 2 bytes), so the effect on consumption of the power supply is small enough.

2. Control and monitoring of the sensor according to the experimental results, no errors in sensor readings or sensor controls. Because it has been tested with subscribe manual using terminal and serial monitor arduino result according to publish topic.

For further research, can use the same concept by using different hardware and framework, for example using esp8266 as a microcontroller, Raspberry PI and openhab as framework or use as system hardware controller. This project can be further developed with additional sensors or in red nodes synchronized with twitter or given notify, etc.