CHAPTER 6
CONCLUSION

The tools made by researchers have been going well. Every process that is done is certainly not always run accurately. The gas sensor that is used does not always produce a value that is almost constant, the value that comes out can go up and down even though no gas is leaking. When this tool is turned off and then turned on again, the value produced by the gas sensor can sometimes go up beyond the specified number. Therefore the device must be restarted to restore the normal gas sensor value.

The value that comes out of the gas sensor can be uploaded to the iot thingspeak website smoothly. The upload process will be repeated every 5 minutes. Researchers have been waiting for the process of sending data that has been set for 3 hours. therefore the researchers concluded that the process of sending data to the iot thingspeak website went smoothly.

The battery is not strong enough to run this device because the battery is only 9V and Arduino itself uses a voltage of more than 5V to power it all. The battery can only run this tool for 10 minutes. after that the tool will stopped working.

Researchers have made a program to send SMS notifications when there is a gas leak through an application called telegram. An SMS will be sent when the value of the gas sensor exceeds the specified value limit. Researchers have tried and succeeded.

For further research it can be deeper to analyze the results of the sensor value. For G\SM Sim800l cannot be done right now because there is a problem with the GSM Sim800l module, which is searching for signals from operators and searching for sim cards problem.