CHAPTER 6
CONCLUSION

Based on the results of system testing, the following conclusions can be drawn:

1. The implementation of a home security system has been successfully made using the ESP32-CAM microcontroller and PIR Sensor so that it can work well in detecting human movement as planned. The system can detect and send notifications if there is a danger sign.

2. This tool has been tested to detect a maximum effective movement within 4 meters, beyond that distance the success rate is reduced.

3. With the IoT concept, device performance can be monitored using the Telegram Platform which has been connected to the homeowner's cellphone. So that homeowners can know the condition of the house well and can reduce anxiety and fear.

Based on the results of this final project, suggestions are needed for further system development, here are some suggestions:

1. For further research, the tool can be developed by adding other variations of sensors.

2. In order for the home security system to run optimally, use the internet with a stable network.