

## CHAPTER 6

### CONCLUSION

#### 6.1 Conclusion

Based on the results of research conducted can be concluded:

1. This research has been done using data and moisture, acidity of water using pH sensor, calculate network-based water level router, and access location using gps module.
2. The system can be monitored through the http protocol, as well as with the help of php and html to display it.
3. The more sensors installed the greater the effect on the voltage, so it must use additional supply power. Because, each sensor has its own limitations, so it requires a stable power and quite a lot.
4. In testing was proved that wemos is not accurate enough in the use of pH, although more concise in the connection. The shortcomings can only be solved by the installation of arduino UNO and ethernet as connections. There are also limitations of Arduino namely the limited 5v output.

#### 6.2 Suggestions

After doing this research the authors hope some things that need to be developed. Among others:

1. Floats the sensor according to future needs based on the location of the sensor
2. Care and calibration of sensors on a regular basis so that sensors can access data accurately.
3. For further research can create android applications and online data systems.