

CHAPTER 5

CONCLUSIONS AND SUGGESTIONS

5.1 Conclusions

Based on the results of the tool trials that have been carried out, it can be concluded several things as follows:

1. This research has been running according to the plan.
2. This research has been able to secure internet of things devices by encrypting and decrypting using the 128 bit AES algorithm.
3. Research has a different encryption even though the distance data read is the same, thus increasing data security.

5.2 Suggestions

There are still many shortcomings in this research, so there is a need for development and additions to make it better. The following are suggestions for further research development:

- 1) In future research, it is expected to add how much time is used in the encryption and decryption process.
- 2) Further research is also expected to show how much memory is used during the encryption and decryption process.
- 3) Further research is also expected to conduct data security experiments on internet of things devices using a better algorithm than the 128 bit AES algorithm.