

## CHAPTER 6 CONCLUSION

After automated testing on the ArtemisDev Trial Server using the black box method, boundary value analysis techniques and selenium tools, it can be concluded that:

1. The black box method is a suitable method for testing because the author performs functional testing on the ArtemisDev trial server, kode perusahaan, site, and lokasi menu. Next, for making test cases using boundary value analysis techniques by determining the lower and upper limits on a data.
2. The tool used for testing on the ArtemisDev test server is the Selenium tool. Selenium is used to perform automated testing and is suitable to be applied in this research. The reason for using the selenium tool in this research is that it is open source, supports various programming languages, is flexible, and supports various platforms.
3. Testing on ArtemisDev conducted by PT. Hartono Istana Teknologi is based on a concept that has been created by the company, so that testing can be carried out in stages, structured and the main purpose of testing can be achieved.

Based on the conclusions above, the authors provide suggestions for further research in order to develop, namely:

1. For further testing, it is recommended to use the white box testing method. White box testing, namely testing software / applications by analyzing the program code whether there is something wrong or not.
2. It is hoped that testing can be carried out on different menus and buttons to reduce the risk of data similarity in a study.
3. Software testing tool changed to Katalon Studio, to compare Selenium and Katalon Studio usage. Comparison in terms of performance and effectiveness.