

## **CHAPTER VI**

### **CONCLUSION AND FURTHER RESEARCH**

#### **6.1 Conclusion**

This application that use Huffman coding as the main algorithm, could compress an image file into smaller size and could decompress it. The image processed by Huffman coding and the result is bit type file with smaller file size than the original image. The result of compression cannot be opened until the decompress process. And the result of the decompress process is a image with the same quality of the original image. If an image had a few of same data block, the effective ratio was low. So, if there were a lot of same data block in an image, the compression was more effective.

#### **6.2 Further Research**

This application still simple and need to be developed. This application still focusing on basic huffman coding. From the limitation in this application, this application just can compress jpeg and png file. For the further research, this application can be developed using Adaptive Huffman coding and other algorithm and also the other image format file and improve the performance of the application.