

## CHAPTER VI

### CONCLUSION

#### 6.1 Conclusion

From the project that has been created it can be summed up :

1. The results of the recognition of the signature image is influenced by several factors including the scanned image is affected some things namely ; resolution, noise and brightness/contrast, the number of scratches on the image signature, and position of the signature object in the image.
2. The testing result with some image signatures with various difference is:
  - a. Signature image from drawing with mouse can known 80%
  - b. Signature image which given a rotation can known 75%.
3. There is wrong identification because of the signature object that has similarities with one another so that the value of correlation coefficients are approaching each other. The similarity of image signatures can be influenced by several factors, namely the existence of a scratches similar to the other signature, the form of handwriting that is almost the same, and the number of scratches that are almost the same.

## 6.2 Further Research

In this project there are still many shortcomings, so this is some suggestions to be developed namely :

1. Need to do another feature extraction process to know the pattern of information from image signature.
2. Signature Images that used must be good because it is very affect the result of this program.
3. Need to do pattern recognition with other edge detection method so can known for the most optimal results.
4. Other methods development needs to be done to know the signature image similarity for example with artificial intelligence techniques or other Correlation Coefficient Formula.

