CHAPTER 6
CONCLUSION

Based on the results of the fingerprint classification project, it can be concluded that.

1. Fingerprints data cannot be classified based on the patterns but by pixels.
2. The fingerprints data that can be better identified is the fingerprint data that were taken using the scanner. It is because the pattern of the image taken from the scanner is clearer compared to the stamps fingerprints.
3. The amount of noise present in the image can affect the result of the Euclidean.
4. Accuration value that's obtained from the image that is given 10-100% noise, the algorithm can only manage to recognize the fingerprint image with up to 30% noise given
5. The new fingerprint image, either with the available training data or not, get an accuracy value of 0% due to the Euclidean value can only be used to measure the distance based on their pixel, not patterns.

Suggestion for further project:

1. Use another algorithm so the program will be able to classify the fingerprints based on the patterns. CBIR (Content Based Image Retrieval).
2. The image result from the scanning process have to be cropped exactly on the fingerprints otherwise it will affect the Euclidean value if there is any residue of the paper, etc.
3. The size of the image should be identical.