

CHAPTER 6

CONCLUSION

The entropy results obtained from the signatures of 15 respondents is varied. After checking the entropy of training data, the original entropy of the tested signatures tended to have a lower average. It caused using different sizes of ballpoint pens, which affect the results. The variation of each person when signing a signature will also affect the entropy results, it appears in the different result for each sample. While fake signatures, the entropy tends to be larger on average, due to ballpoint pen variations and strokes are different.

Analysis results using precision and recall method. First the accuracy is 48% and the second analysis accuracy is 60.3%. The increase in that accuracy is obtained from increasing the number of sample test data. The results of the second analysis that using K-Fold Cross Validation were also unstable.. Where in 3 experiments resulted in a different average accuracy, the highest is 90,6% and the lowest is 68%. From the results obtained in this project, Entropy value method is not recommended to verify signatures. Because it is still random and cannot be strong in verifying signatures. So that in the next research can be added with other algorithms like Naive Bayes or Cosine Similarity that can verify the signature more strong and accurately.