

## **Abstract**

*Signature is the most frequently used in identifying a person in day-to-day operations such as automated banking, electronic funds transfer, document analysis, and access control. But checking the signatures were up to now is still mostly handled manually. If the signature you want to be checked quite a lot, so when the eyes begin to fatigue, the accuracy in the signature check will be reduced. It required a signature verification system that can recognise the signature well.*

*In this final Hidden Markov Model implemented as a method of classification and feature graphometric as a signature pattern recognition. Next will be an examination of the FRR and FAR on signature verification and conduct an analysis of what factors affect the accuracy of the method of Hidden Markov Model.*

*Based on the observations that have been made, signature verification accuracy rate reached 81% by 10 variation of signature.*

**Keywords** : *Verification, Signature, Graphometric, Hidden Markov Model, FRR, FAR, training data*