

## CHAPTER IV

### CONCLUSION

The conclusion of this study revealed four acetylcholinesterase inhibitors which were extracted from bulbs of *Haemanthus multiflorus* Martyn by ethanol and fractionated into petroleum ether, n-hexane, toluene and ethyl acetate, respectively. The compounds were identified by means of their melting points, chemical tests, thin layer chromatographic and spectroscopic methods. They were non-steroidal alkaloids. The acetylcholinesterase inhibitory activity of chemical constituents from this plant suggested its potential in developing new drugs for treatment of Alzheimer disease.