

## V. CONCLUSIONS AND SUGGESTION

### 5.1 Conclusions

1. There are six bioactive compounds identified potential as anti-diabetic neuropathy namely *Thiosemicarbazone*, *Oleic acid*, *Eucalyptol*, *Decanoic acid*, *Acetic acid* and *Arginine*.
2. Andaliman fruit extract could effectively relieve the loss of sensation in foot function disorders and motor balance disorders due to diabetic neuropathy
3. Andaliman fruit extract could not significantly reduce the accumulation of malondialdehyde (MDA) in the tissues of the central nervous system area due to diabetic neuropathy
4. Andaliman fruit extract could ameliorate purkinje cell damage in diabetic neuropathy.

### 5.2 Suggestions

The suggestions from the research that has been done are that it is necessary to test the safety of andaliman fruit extract through toxicity tests and further studies in vitro (with neuronal cell culture) and that it is necessary to further purify the compounds contained in andaliman fruit (*Z. acanthopodium*) and test their bioactivity comprehensively.

