

V. CONCLUSIONS AND SUGGESTIONS

5.1 Conclusion

The results of phylogenetic analysis based on the part of cytochrome b gene (559 bp) showed that the kinship relationship of *Ichthyophis elongatus* in West Sumatra and other Asian *Ichthyophis* is monophyletic.

5.2 Suggestion

Based on the results of the research that has been obtained, it is recommended to make DNA barcodes for *Ichthyophis elongatus* and then registers with the BOLD system as evidence of Sumatran biodiversity, as well as compare ecological data such as habitat and behavior of *Ichthyophis elongatus* those in West Sumatra with other species to complement the information obtained in this study.

