

CHAPTER V. CONCLUSION AND SUGGESTION

5.1 Conclusion

Based on the results of the research conducted, the following findings were obtained:

1. The home range of Asian Giant Tortoise (*Manouria emys*) in the Biological Education and Research Forest for three individual tortoises ranged from 2.3 to 25.8 ha. The home range of each individual appears to exhibit a tendency towards nomadic movements.
2. *Manouria emys* inhabits habitats characterized by proximity to water streams within 0-50 meters, dense canopy cover ranging from 65% to 100%, and abundant food sources present in both less preferred and more preferred habitats, including species from the Araceae family.

5.2 Suggestion

Based on the research conducted about the home range of *Manouria emys*, it is required to conduct further research by extending the observation period to several years and increasing the number of individuals observed so that statistical tests can be used to test the relationship between body weight and observation period with tortoise home range. Based on the analysis of the tortoise home range, it is evident that tortoises tend to exhibit nomadic behavior, highlighting the necessity for expansive conservation areas. This is crucial for the conservation efforts of this species, particularly considering its Critically Endangered status.