

V. CONCLUSION AND SUGGESTION

5.1 Conslusion

Based on the research results of the Ecological Study of *Rhizophora apiculata* in the Mandeh Mangrove Area, it can be concluded as follows:

1. Density of *Rhizophora apiculata* in Carocok Tarusan is higher than Nagari Mandeh.
2. The canopy cover in Carocok Tarusan is more open than the canopy cover in Nagari Mandeh.
3. Characteristics of environmental factors based on the descriptive analysis found that the growth of *Rhizophora apiculata* was influenced by pH, water temperature, salinity, and substrate.

5.2 Suggestions

Based on the conclusion that the research location is mangrove, which is included in the moderate category, it means that there is still an open canopy cover so that the density of *Rhizophora apiculata* is decreasing. This is because there are still anthropogenic activities in the form of tourism, ports, and ponds so that mangrove conservation cooperation is needed from all parties, from the community to the government to maintain the sustainability of the ecosystem.