

5. CONCLUSION AND SUGGESTION

5.1. Conclusions

Based on research that has been carried out in the Sultan Syarif Hasim Great forest park, Riau Province, it can be concluded as follows:

1. The composition of invasive species at the undergrowth vegetation level consists of 8 families, 18 genera, and 20 invasive plant species, with a total of 302 individuals. The dominant family is found in the family Cyperaceae (20,19%). While the Co-dominant families are Poaceae (16.30%), Melastomaceae (13.38%) and Fabaceae (11.44%)
2. The structure of Invasive species with the highest importance Value Index was found in *Melastoma malabathricum* with a value of 28.14%. The Diversity index of all species combine is 3.04 which considered as high, and the Diversity Index of the invasive species is 2.71 in which considered as moderate.

5.2. Suggestion

Based on the results of research that has been conducted in the Sultan Syarif Hasim Great Forest Park, more than 50% of the Species found are Invasive Species. Though Diversity Index of the overall species is considered as high but diversity index of the invasive species alone is consider to be moderate, and to maintain the diversity of species in the Sultan Syarif Hasim Great Forest Park there should be action that needs to be taken sooner so the Invasive species will not inhibit the growth of other species which may threatens the lives of animal species that live around the invaded area.