

## V. CONCLUSION

### 5.1 Conclusion

Based on the research conducted on sapling vegetation analysis in the Padang Janiah Community Forest area, Lambung Bukik, Padang, the following conclusions were obtained:

1. The composition of sapling vegetation was found to be 23 families, 31 genera, 36 species and 96 individuals. The dominant family was found in the Melastomataceae (30.21%) and the co-dominant family in the Euphorbiaceae (16.67%).
2. The vegetation structure of sapling with the highest IVI was found in *Bellucia pentamera* species by 64.41% and the lowest IVI was found in *Archidendron bulbalinum* species by 2.91%.
3. Diversity Index ( $H'$ ) for saplings in Padang Janiah Community Forest was classified as moderate ( $H' = 2.94$ ).

### 5.2 Suggestion

Based on the results of the research conducted, it is recommended that the management of Padang Janiah Community Forest pay more attention to the presence of invasive species, especially *Bellucia pentamera*, which shows high dominance at the sapling. This species has the potential to disrupt the natural regeneration of native species due to its competitive nature and allelopathic ability. Therefore, it is necessary to control and prevent its spread in a sustainable manner.