



ABSTRACT BOOK

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THE INFLUENCE OF MICROCLIMATE FOREST TOWARDS THE DIVERSITY OF EPIPHYTES IN LOWLAND DIPTEROCARP FOREST

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ABSTRACT

The aim from this research is to find out the correlation between condition of micro climate at the the climax to the broadness of 6 hectares and the log over area to the broadness of 12 hectares in the at lowland dipterocarpaceae forest at Malinau regency.

The dominance index value of type (C) in all parts of the tree vertically (crown, stem and bole) in climax forest is lower than the logged forest, whereas Various Index of species (H) at the crown 1,75346, the bark 1,32234, and at the bole trees 1,24137. The similarity Index of species form Sørensen (ISs) at the crown 36,5, the bole trees 32,2 and bark trees 32,2. And the other hand ISs at the same as levels climax forest and log over areas indicate highest at the bole trees (96,2), and than crown (90,7) and bole trees the lowest (61,4). Daily average humidity and lighting in the climax and log over area be found have strong correlation with number of species epiphytes.

Keywords: *microclimate, climax, log over area, diversity, correlation*

