

# Struktur dan Komposisi Hutan Pamah Pegunungan Cyclops serta Pemafaatan Kayu, *Xanthostemon* spp., oleh Masyarakat Etnis Sentani Jayapura Papua

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## Abstrak

This study was designed to examine the structure and floristic composition a lowland rainforest on the southern slope of Cyclops Mountains, Jayapura. at 300-500 m above sea level. Plants were sampled in 6 plots of 40 m x 40 m each and 1 plot of 20 m x 20 m. The study recorded 130 tree species (DBH equal or bigger than 10 cm at dbh) belonging to 39 families, with density of 743 trees/ha and total basal area 1993.62 m<sup>2</sup>. *Anisoptera thurffera* dan *Mallolus echinatus* are the leading species. The biggest diameter recorded was 95 cm (*Anisoptera thunifera*) and the tallest tree reach 50 m (*Anisoptera thur.'ra*, *Hopea iriana* and *Syzygium leptoraphleoides*). Tree species richness is similar to other forests in the north of Papua (Mamberamo) and north of the Cyclops Mountains. Regeneration was very poor. There is an indication that the forest sampled was at one time disturbed.