



Group B06-ABS FUND
Diversity of Dragon's Blood Palm (*Daemonorops* spp.) in
Bukit Duabelas National Park, Sumatra, Indonesia

Revis Asra¹, Holger Kreff²

¹Graduate School of Science Education, Department of Biology, Jambi University. Jambi, Indonesia .
Phone (+62) 0741-32258 Fax (+62) 0741-34058

²Georg August University Goettingen, Germany

Phone: +49 551 39 10727

Email: r.revisasra@yahoo.com

Bukit Duabelas National Park is one of the habitat jernang rattan (*Daemonorops* spp.). It is one of high economic value. It has red rubber (resin), so this rattan also called as Dragon's Blood Palm. Anak Dalam Tribe usually use its fruit. They extract the fruits to took the red resin, and then they sold it to the local collecting . The red resin can be used as medicine and natural colour. The concept and objectives of this research were to knowing the species of Dragon's Blood Palm (*Daemonorops* spp.) in Bukit Duabelas National Park, the number of clumps / plots, number of individuals / clump and the growth rate in each clump. This study used survey methods and data collection was carried out by the method of *purposive random sampling*. The four forest core plots of the CRC (BF1, BF2 BF3 and BF4) include the sampling. Each plot with size 10 x 10 m. From CRC plots obtained 100 sub plots. It will also be made in the outside of CRC plots. The locations on drained, about 20 plots. Based on the observation in the field, specifically in the CRC Plot consisting of BF1, BF2, BF3, and BF4, there was not found *Daemonorops* spp species in those plots. Interview taken from ranger officer in Bukit Duabelas National Park at Dusun Baru Resort and Pematang Kabau Resort indicated that all variety of rattan was kept away from the construction of CRC Plot. Survey result showed that *Daemonorops* spp. was found in Demplot Jernang location in Bukit Duabelas National Park area. The location of demplot rotan jernang is the protected habitat of Dragon's blood palm in Bukit Duabelas National Park. The species in demplot area was *Daemonorops draco*, and only one clump *D. draco* was found with total of 15 individuals/clump. Sex of this individuals was female, which was indicated from the fruit of the plant. The Level of growth analysis of *D.draco* were youngest 3 individu, young 5 individu, mature 2 individu,and aged 2 individu.

Key words: *Daemonorops* spp., Bukit Duabelas National Park, Level of growth.