

Populasi dan potensi regenerasi tumbuhan penghasil gaharu (*aquilaria microcarpa* Baill) di hutan kota gunung kembang dan hutan karet Kecamatan Sarolangun, Kabupaten Sarolangun, Propinsi Jambi = population and generation potencial of agarwood production plan (*aquilaria microcarpa* Baill) at hutan kota gunung kembang and hutan karet sarolangun sub-district, sarolangun district, jambi province

Agustin Winarni, author

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Abstrak

Agarwood producing plant (*Aquilaria microcarpa* Baill.) is one of the Non Timber Forest Products (NTFP) that high value. However, its population had strongly decreased due to overexploitation. The objective of this study was to know the population of *A. microcarpa*. This study was conducted from October-December 2010. This research used sampling technique by mean of making quadrat transect were laid by systematic. Result of this study were as follows; there were poles and sapling stage at Hutan Kota Gunung Kembang (HKGK) and tree, poles and sapling stage at HKGK. Poles stage of *A. microcarpa* at HKGK was important value index (IVI) 16,18% and sapling stage IVI 20,58%. However, tree stages of *A. microcarpa* at Hutan Karet was 102,75%; pole stage 20,05% and sapling stage 8,85% respectively. A positive correlation was found between DBH and height. Pole density was 35 trees/ha and sapling stage was 320 trees/ha at HKGK. Tree was 67 trees/ha; pole 17 trees/ha, and sapling 67 trees/ha at Hutan Karet. The population density of *A. microcarpa* at HKGK more higher than Hutan Karet.