

**THE DISTRIBUTION STUDY OF MAHANG KAPUR
(MACARANGA HYPOLEUCA) IN UiTM JENGA FOREST RESERVE
(BASE LINE 1: LINE 1-LINE 5 AND LOGGING ROAD)**

By

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ABSTRACT

The research was done to study the distribution of *Macaranga hypoleuca* in UiTM Jengka Forest Reserve. The study plot is about 515 m x 10 m in Baseline 1: Line 1- Line 5 (6.4 acre with the percentage 2.55 % to the whole areas of UiTM JFR). The study plots 5 meter stands on right and left from the inventory line. The category for Diameter Breast Height (dBH) of *Macaranga hypoleuca* must more than 5 cm. The study plot also make in logging road area for make comparison with Line 1- Line 5. In this study, the distribution of *Macaranga hypoleuca* in UiTM JFR which have dBH more than 5 cm was distributed randomly mainly at hill area. The overall total of *Macaranga hypoleuca* in Line 1- Line 5 and at logging road is 92 number of trees where 71 or (77%) at Logging Road and 21 or (23%) in line. In Line 5, distribution of *Macaranga hypoleuca* is the highest with total is 14 or (66%) numbers of trees and the lowest in Line 1 have 1 only number of trees. Category Diameter Breast Height (dBH) within 15-30 cm consider as big pole. A total 57 individuals of trees having a girth between 15-30 cm at breast height grew at slow rates around 1 mm year and species group differed in their rates of growth in the following sequence, under storey < main canopy < emergent ~ pioneers.