

ABSTRACT

Vinolia, Isrovievie. 2014. Distribution and Population Character Maja (*Aegle marmelos* L. Correa) In District Trowulan Mojokerto Regency. Thesis. Department of Biology, Faculty of Science and Technology of the State Islamic University of Malang Maulana Malik Ibrahim. Supervisor Biology: Ruri Siti Resmisari. Supervisor Religion: Andik Wijayanto.

Keywords: *Aegle marmelos*, Sociability, Vitality, Periodicity.

Maja (*Aegle marmelos*) is a plant that belongs to the family Rutaceae. Habitus a tree that grows in lowland to highland. Maja can grow up to 20 m with a towering canopy above and the wood is very hard, but it maja also has several benefits such as fruits, roots and leaves are antibiotics. Twigs and leaves can be used as a fish poison. This study aims to determine the distribution and character of the population (sociability, vitality and periodicity) maja (*Aegle marmelos*) in the temple site Trowulan District Trowulan Mojokerto regency.

The research method is done by using the method of exploration. Exploration carried out in eighteen sites Mojokerto District Trowulan. Do plants recording maja (*Aegle marmelos*) by observing the distribution of population character. Character population maja (*Aegle marmelos*) performed by analyzing sociability, vitality and periodicity Braun-Blanquet assessment. The distribution of the number of individual plants maja (*Aegle marmelos*). Analysis of the data distribution maja (*Aegle marmelos*) using index morisita deployment and data analysis qualitative descriptive character of the population.

The results showed that maja (*Aegle marmelos*) in eighteen sites in the District Trowulan Mojokerto regency with the largest distribution in the temple site Bajang Queen. Distribution pattern based analysis morisita index is clustered. Sociability maja (*Aegle marmelos*) was found with a value of 2 is because people live in small groups of less than one hundred (100) people. Value vitality maja (*Aegle marmelos*) in District Trowulan included in the third category is the value of 3 means that the vitality of the plant population maja no shoots, there is in the form of shrubs and trees. Periodicity maja (*Aegle marmelos*) value of 4 at all sites, which means the plant is not found flowers and fruit.