

morphological description of Jogorogo Mangoteen; *Garcinia mangostana* L

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Abstrak

This research aimed to obtain phenotypic information based on morphological character of Jogorogo Mangosteen (*Garcinia mangostana* L.). This research was conducted with direct observation through primary and secondary data recording, and documenting parts of Jogorogo Mangosteen plant specifically, that was, in vegetative part: stalk and leaf, as well as generative part: flower, fruit and seed. Jogorogo Mangosteen may reach hundreds years of life span, it had an average height of 9 meters, stalk diameter of 1 meter and crown diameter of 6 meter. The tree crown of Jogorogo Mangosteen plant was triangular in shape, with horizontal and irregular branching pattern and various densities. The leaves of Jogorogo Mangosteen were elliptic. The tip of the leaf was pointed, the base of the leaf was blunt, and the leaf edge was flat with the smooth and shining surface. The flower of Jogorogo Mangosteen was a hermaphrodite and a perfect flower. The fruit was small with 59 grams weight/fruit with 4.5 cm long and 4.45 cm wide. The fruit was purple-blackish with the continuous fruit ripening with high fruit bearing level. The Jogorogo Mangosteen fruit was sweet with a little yellow sap. 1-2 seeds were formed in every Jogorogo Mangosteen fruit with 1.6 cm long, 0.8 cm wide and 2.75 mm thick. The seed is spheroid and ellipsoid with light brown color wrapped with white aril.