

JENIS DAN SEBARAN POHON DADAP
(*Erythrina* spp.) DI LERENG TIMUR GUNUNG BIBI,
TAMAN NASIONAL GUNUNG MERAPI

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INTISARI

Gunung Bibi merupakan salah satu gunung yang terletak di timur Gunung Merapi. Wilayah tersebut didominasi oleh dadap (*Erythrina* spp.). Jenis dan persebaran dadap hingga kini belum diketahui, sehingga diperlukan penelitian untuk mengetahui jenis dan sebaran serta mengantisipasi kepunahan dadap akibat terkena erupsi Gunung Merapi.

Pengambilan data dilakukan di Dusun Gobumi, Desa Mriyan, Kecamatan Musuk, Kabupaten Boyolali, Jawa Tengah dengan membuat 30 buah petak ukur 20 m x 20 m (*nested sampling*). Petak ukur dibuat secara random sampling pada ketinggian yaitu 1.300-1.550 m dpl., 1.550-1.800 m dpl., dan 1.800-2.050 m dpl. Jenis dadap yang dijumpai dideskripsikan dan diidentifikasi. Sebaran dadap juga dicatat berdasarkan kelas diameter dan perbedaan ketinggian tempat.

Dadap yang ditemukan ada dua jenis yakni dadap duri (*Erythrina fuscalour*) dan dadap serep (*E. lithosperma*) yang memiliki perbedaan morfologi batang dan bunga. Sebaran dadap pada ketinggian 1.300-1.550 m dpl didominasi dadap berdiameter 51-60 cm dan kerapatannya 92,5., 1.550-1.800 m dpl didominasi dadap berdiameter 41-50 cm dan kerapatannya 82,5., sedangkan pada 1.800-2.050 m dpl dadap tidak ditemukan dan hanya ditumbuhi semak dan perdu.

Kata kunci: Gunung Bibi, Taman Nasional Gunung Merapi, dadap, *Erythrina* spp., jenis pohon

SPECIES DISTRIBUTION OF DADAP (*Erythrina* spp.) AT EAST SLOPE OF GUNUNG BIBI, GUNUNG MERAPI NATIONAL PARK

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ABSTRACT

Gunung Bibi in the east of Mount Merapi dominated by dadap (*Erythrina* spp.). Its species distribution is still unknown. A study was conducted in order to know distribution of dadap and to anticipate the dadap extinction because of Merapi eruption.

The data was collected in Gobumi, Mriyan Village, Subdistrict Musuk, District Boyolali, Central Java using 30 plots of 20 m x 20 m (nested sampling). Plots were made with random sampling at 1.300-1.550 m asl, 1.550-1.800 m asl, 1.800-2.050 m asl. Data of Dadap were then described and to identified. Their distribution of dadap were also recorded according to diameter class and elevation.

There are two species of dadap i.e. *Erythrina fuscalour* and *E. lithosperma*. They have different morphology on trunk and flower colour. Distribution of dadap at 1.300-1.550 m asl is dominated by dadap 51-60 cm in diameter and density 92,5; 1.550-1800 m asl with 41-50 cm dominated by dadap in diameter and density 82,5. We do not find any dadap at 1.800-2.050 m asl, only bush and clump.

Keywords: Bibi mountain, Gunung Merapi National Park, *Erythrina* spp., tree species