

STRUKTUR KOMUNITAS TANAMAN BAWAH, DAN JENIS-JENIS YANG BERMANFAAT SEBAGAI TANAMAN OBAT DI KAWAASAN HUTAN LINDUNG KALIURANG

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ABSTRACT

Low layer plants as one of component in forest ecosystem today still lack of attention due to the limited information about them. Low layer plants plays an important role in forest ecosystem, and also they are potential to be use as a medicinal plants, genetic resources and other uses that are not yet revealed. For that reason reseach about *Low Layer Plants ; Community Structure and Their Use as Medicinal Plants* need to be conducted. The objective of this research was to get the information about : (1) Community structure of low layer plants in compartment seven Kaliurang protection forest and (2) Species that are use as a medicinal pants. To fulfill this goal, small plots of 1 x 1 m along forest pathways were made in sampling area. Result showed that as many as 47 species of low layer plants were found in sampling area. There were five main species which has high importance value index : *Eupatorium riparium* Regel. with importance value index 21,29%, followed by *Eleusine indica* Gaertn. 17,82 % , *Oplismenus burmanii* Beauv. 14,61 % , *Diplazium proliferum* 14,04% and *Panicum reptans* Kunth. 11,27 % . From those 47 species, as many as 10 species are known as a medicinal plants, they are : *Melastoma malabathricum* L., *Physalis angulata* Heyne, ex. Wall., *Ageratum conyzoides* Linn., *Elephantopus scaber* Linn., *Psidium guajava* Linn., *Justicia gendarussa* Linn., *Alocasia macrorrhiza* Schott., *Eleusine indica* Gaertn., *Villebrunea rubescens* Bl. and *Phyllanthus niruri* L.

Key words : Community structure, low layer plants, medicinal plants, Kaliurang protection forest

