

## ABSTRACT

Yusiana, Dian. 2011. *Study Of The Utilization Of Non-Timber Forest Vegetation By People Among Resort Pemangku Hutan (RPH) Kedungrejo, Kecamatan Pujon, Kabupaten Malang, Provinsi Jawa Timur*. Thesis. Biology Department, Faculty of Science and Technology, The State Islamic University of Maulana Malik Ibrahim Malang. Advisor I: Dr. Eko Budi Minarno, M.Pd. Advisor II: Dr. Munirul Abidin, M.Ag

**Key words:** Non-Timber Forest Products, Utilizing, RPH Kedungrejo

Plant in a forest vegetation is very benefit for life, because forest deliver for human needed, those are timber as the main forest production, also leaf, fruit and raw materials medicine as forest following products (non-timber). non-timber plant forest products are utilized traditionally by people among RPH Kedungrejo. Plant diversity and non-timber plants potential, indigenous knowledge there including it was not research yet before. Technology development is worried in negative effect for people traditional knowledge because modernisations with loss original Indonesian people knowledge. This research purpose to know kinds of diversity and dominance of plant non-timber, also potentials and utilizing procedure by people among RPH Kedungrejo.

This research method is descriptive-explorative which is collaboration between vegetative analyze and ethnobotany by *Observation Participative Plot Sampling* and *Transect-walk Systematic Sampling* method that combine with technique of structuring interview and semi-structure though nearby PEA (*Participatory Ethnobotanical Appraisal*). This research was done on May-June 2011 in RPH Kedungrejo, BKPH Pujon, KPH Malang, Perum Perhutani Unit II East Java. Population in vegetative analyze including all kinds of non-timber plant is in RPH Kedungrejo sub-Colum 37 A, while population of ethnobotany data including human among Tretes village and Ngeprih with total respondent for about 40 persons.

The result was found approximately 48 kinds of non-timber plants. Kinds of non-timber plants that dominant in *under stories* level is gajah grass (*Pennisetum purpureum*) INP 27,703% and SDR is 13,852%, *seedling* level is jack fruit (*Artocarpus heterophyllus*) INP is 32,835% and SDR 16,417%, *sapling* level is Coffe (*Coffea sp.*) INP is 41,538% and SDR is 20,769%, *pole* level is jack fruit (*Artocarpus heterophyllus*) INP is 25,520% and SDR 8,507% and *tree* level is clove (*Syzygium aromaticum* L.) INP 64,286% and SDR 21,429%. Index diversity of forest vegetation in *under stories* level ( $H'$ ) approximately is 3,134; *seedling* level ( $H'$ ) is 2,642; *sapling* level ( $H'$ ) is 1,904; *pole* level ( $H'$ ) is about 2,078, and *tree* level ( $H'$ ) is 1,714. Non-timber plants forest products is utilized by people around RPH Kedungrejo is about 33 species, those are as utilizing for consumption, animal woof, medicines, and others.