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Penentuan Etat Tebangan Dalam Pengelolaan Hutan Rakyat di Desa Jugalajaya, Kecamatan Jasinga, Kabupaten Bogor
YASMIN FARHAT, Dr. Rohman, S.Hut.,M.P
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DETERMINATION OF ANNUAL ALLOWABLE CUT ON THE MANAGEMENT OF COMMUNITY FOREST IN IN JUGALAJAYA VILLAGE, JASINGA SUB-DISTRICT, BOGOR DISTRICT

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ABSTRACK

The increasing number of population encourages more development of the timber industry, so that the need for wood raw material supply is increasing. Currently, community forests are an alternative for the government to meet raw material needs. Therefore, the concept of regulating forest products is needed in a community forest management in order to achieve sustainable results. This study aims to determine the characteristics of community forest management and the determination of felling ethics in Jugalajaya Village, Jasinga District, Bogor Regency. The sample was determined by purposive sampling technique of 30 respondents. Characteristics of community forest management were analyzed descriptively. The etat calculation is done using the Von Mantel method to calculate etat based on volume and the Brandis method for calculating etat based on the number of trees. Based on the research results, it is known that the community forest planting pattern in Jugalajaya Village is dominated by sengon, African, acacia, and teak types with monoculture (pure) and mixed cropping patterns. The silvicultural system used is the selective cutting silvicultural system and the clear-cut silvicultural system with natural and artificial regeneration. The structure of community forest stands based on the number of inverted J-shaped trees resembling a forest that is not of the same age. The results of the etat calculation with the approximate volume were sengon species of 5.076.01 m^3 / year, Africa 611.02 m^3 / year, acacia 323.83 m^3 / year, and teak around 10.66 m^3 / year. The etat calculation is the number of trees for the sengon species as much as 19.557 trees / year, 505 trees / year for Africa, 289 acacia trees / year, and 51 trees / year for teak.

Keywords: annual allowable cut, community forest, characteristics of the community forest, yield regulation

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