

**PENENTUAN POTENSI DAN ETAT HUTAN RAKYAT  
DI DESA NGLANGGERAN, KECAMATAN PATUK  
KABUPATEN GUNUNGKIDUL**

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**INTISARI**

Petani hutan rakyat pada umumnya tidak mengetahui secara pasti potensi kayu yang dimiliki dan etat tebangan yang dianggap masih dapat mempertahankan kelestarian. Penelitian ini bertujuan untuk menghitung potensi dan etat tebangan tahunan hutan rakyat di Desa Nglanggeran. Penelitian ini dilakukan menggunakan metode *Multi Stage Sampling* untuk menghitung potensi tegakan dan metode *von mantel* untuk menghitung etat. Hasil penelitian menunjukkan potensi hutan rakyat di Desa Nglanggeran dengan luas 200,25 ha sebesar 4.264,04 m<sup>3</sup> dan Jumlah pohon sebanyak 76.952 pohon. Etat tebangan tahunan yang dianggap masih dapat menjaga kelestarian tegakan hutan rakyat di Desa Nglanggeran adalah sebesar 607,98 m<sup>3</sup>/tahun.

Kata kunci : Hutan rakyat, *von mantel*, volume tegakan, jumlah pohon, etat.

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**THE DETERMINATION OF THE POTENTIAL AND ANNUAL ALLOWABLE  
CUT (AAC) OF COMMUNITY FOREST IN NGLANGGERAN VILLAGE, PATUK  
SUB-DISTRICT, GUNUNGKIDUL REGENCY.**

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Abstracts

Farmers of community forests generally uncognize the potential of timber in their forests and the amount of felling that secure for forest sustainability. This study aims to determine the potential and annual allowable cut (AAC) of the community forests in Nglanggeran Village, Patuk Sub-District, Gunungkidul Regency. Multi-Stage Sampling method to determine forest stand potential and *von mantel* method to determine annual allowable cut (AAC), both of them had been used for this research. The results showed that the timber of community forest in Nglanggeran Village with an area of 200.25 ha potentially is 4.264,04 m<sup>3</sup> and the number of trees as many as 76.952 trees. The annual allowable cut which is considered secure for forest sustainability is 607,98 m<sup>3</sup>/year.

Keyword : Community forest, *von mantel*, volume of stands, number of trees, annual allowable cut (AAC)

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