ABSTRACT

OPTIMIZING PLANTING DISTANCE ON THE ADVANTAGES OF THE FOREST SENGON

(Case Study of Farmers Group Sengon Wana Jaya, Kota Agung Village, Sub District Tegineneng, Pesawaran Regency)

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Community forest is a forest owned by people with an area of at least 0.25 ha with crown cover woody plants and / or other types of more than 50% and / or plants of at least 500 plants per hectare. Spacing is important, because production is closely linked to the number of results obtained from a plot of land. This study aims to determine the spacing of sengon (Paraserianthes falcataria) is optimal against the benefits of community forests in the village of Kota Agung, Sub districk Tegineneng, Pesawaran regency. This research was conducted in the village of Kota Agung, Sub districk Tegineneng, Pesawaran regency, in July of 2010. The data was collected in a purposive and simple random sampling, then the data were analyzed using ANOVA test (Analysis of Variance). Based on the research spacing 3 m x 3 m is the optimal spacing of ingredients that has the largest volume of 0.417 m$^3$ in each tree and the biggest profit of Rp 257,839, - on every tree. The spacing of 3 m x 3 m and 4 m x 4 m is not significant for the volume and is significant for gains. for spacing of 3 m x 3 m and 6 m x 3 m generate for volume and no real difference is significant for a profit.

Keywords: community forests, sengon, optimality, spacing