Farmers' Preferences for Tree Species Selection in Agroforestry Patterns in Batutegi Protected Forest Management Unit, Lampung Province

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Abstract

Tree species developed by farmers with agroforestry patterns vary. The study aimed to describe farmers' knowledge about tree species selection in agroforestry systems based on biophysical, landscape, and socioeconomic considerations using the Local User Value Index (LUVI) approach. This research was conducted in February 2021 with a case study in four Forest Farmer Group Associations (Gapoktan), namely Gapoktan Hijau Makmur, Gapoktan Mahardika, and Gapoktan Cempaka in the Batutegi Protected Forest Management Unit, Lampung Province. Data collection was conducted by focus group discussion and structured interviews with questionnaires. Based on the study's results, socioeconomic factors score the highest in selecting tree species planted by farmers. In this factor, the type of tree that has the highest LUVI value in Gapoktan Hijau Makmur is Jengkol (*Archidendron pauciflorum*), in Gapoktan Mahardika is Clove (*Syzigium aromaticum*), and Gapoktan Cempaka is Rubber (*Hevea brasiliensis*). The highest LUVI value on biophysical factors, which is the second consideration in tree species selection, is *Jengkol* for Gapoktan Hijau Makmur and Gapoktan Mahardika, while for Gapoktan Cempaka is Dadap (*Erythrina variegata*). The landscape factor has the lowest consideration score, with the tree species that have the highest LUVI values being *Jengkol* for Gapoktan Hijau Makmur, Clove for Gapoktan Mahardika, and Rubber for Gapoktan Cempaka.

Keywords: biophysical, focus group discussion, landscape, Local User Value Index, socioeconomic.

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Bogor, 26 October 2023

Dear Rommy Qurniati
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Thank you for your registration and abstract submission for **the 1ˢᵗ International Conference on Sustainable Forest Management (ICOSTFOM) 2023:** *Managing Tropical Forest Sustainably Facing Landscape Dynamic and Climate Crisis*, organized by the Department of Forest Management, Faculty of Forestry and Environment, IPB University, and KOMHINDO (Komunitas Manajemen Hutan Indonesia/Indonesian Forest Management Community), which will take place at IPB International Convention Center (IICC) Bogor, Indonesia on November 3-5, 2023.

We are pleased to inform you that your abstract, titled "Farmers' Preferences for Tree Species Selection in Agroforestry Patterns in Batutegi Protected Forest Management Unit, Lampung Province" is **accepted**, and you can give **an oral presentation** at the conference. Please prepare the full paper by 01 November 2023. The information regarding how to submit the full paper and the oral presentation schedule will be updated on our website: icostfom.webflow.io. For any other information, please feel free to contact ICOSTFOM via email at mnh_seminar@apps.ipb.ac.id or WhatsApp at +62-82331591768 (Ms. Hasna).

Sincerely yours,

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