

STATE OF BIODIVERSITY CONDITIONS IN SELECTED WATERSHEDS IN THE PHILIPPINES AND INDONESIA

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ABSTRACT

This article highlights the contributions of the local practices being employed by the indigenous communities in the selected watershed areas in the Philippines and Indonesia. Results of the socioeconomic characterization revealed that the upland farmers were already in the second and third generation of the tribes as their mean age was 42 and 38 for the Philippines and Indonesia, respectively. The forest resources within the watershed areas have become their source of livelihoods. The farmers perceived the declining ecological conditions as indicated by the occurrence of soil erosion, the declining soil fertility, scarcity of water sources during the dry season, and the declining forest cover. These observations are validated by the results of biodiversity assessment which revealed a very low to moderate biodiversity index in both study sites. These results imply the need for an intensified information education campaign among the local communities as regards ecological restoration, and establishing a balance between the economic and ecological aspects of their development; as well as the need to engage the younger generation towards ecological restoration activities.

Keywords: ecological restoration, watershed, ecological practices

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Inbox



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Dear **Mrs. Dr. Christine Wulandari**

On behalf of the organizing committee of 5th IBOC (International Biology Conference) 2020, we are very pleased to inform you that your abstract of the paper entitled:

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is accepted for oral presentation. Letter of Acceptance (LoA) and invoices can be downloaded at <http://iboc.its.ac.id/>.

Thank you for joining IBOC 2020. We are looking forward to meet you via online at the zoom meeting.

Warm Regards,

Farid Kamal Muzaki, M.Si
Chairman of Committee of 5th IBOC 2020