



Added Value of Plants Combination: *Paraserianthes Falcataria* and *Oriza Sativa* at the Community Forest in Kapuas District, Indonesia

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Abstract

This research was aimed to compare the plant combination of *Paraserianthes falcataria* and *Oriza sativa* and monocultural plantation of *Paraserianthes falcataria* in order to increase land productivity in Kapuas District. This research consisted of two treatments and each treatment consisted of 17 plots. Data were analysed using homogeneity test and analysis of variance using SPSS 20.0. Research was conducted in the community forest project areas in Kapuas District, Central Kalimantan Province in 2017 to 2018. The result showed that at the first year, growth of dbh and height of *Paraserianthes falcataria* in plants combination system were 5.44 cm and 5.25 m respectively, whereas monocultural system were just 3.79 cm and 3.53 m respectively. Plants combination system also produced rice namely 3.05 ton ha⁻¹ in the first year. Thereby, the plants combination of *Paraserianthes falcataria* and *Oriza sativa* is better than monocultural plantation of *Paraserianthes falcataria*. This is the best system to increasing land productivity thereby it was give more added value for increasing income and prosperity of local peoples at Kapuas District, Central Kalimantan.

Keywords: *Added value, Oriza sativa, Paraserinthes falcataria, plants combination.*