

Interactive comment on “Minimum forest cover for sustainable water flow regulation in a watershed under rapid expansion of oil palm and rubber plantations” by Suria Tarigan et al.

N. Gintings

ngalokenginting@gmail.com

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1. This topic is very relevant because the research on the problem under study is still rare in Indonesia, but it has lots of benefits for the survival of living things in the earth. The results of this study are very useful for planners to establish forest areas that should be released to be used as plantation areas such as oil palm or rubber plantations. 2. The water flow regulation in the watershed is influenced by several factors such as land cover, number and distribution of rainfall, soil type, topography, and the geology of the place concerned. 3. Although Indonesia declared as an area with tropical rain forest but in the reality rainfall pattern in each location so varied therefor the

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research like this still needed in some different place. 4. SWAT models need to be tested in other areas and the results should be compared with the reality of water availability in the area concerned. 5. Evapotranspiration measurements carried out using lysimeters in several places in Indonesia show that similar species evapotranspiration in several locations are not exactly the same.

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