

**IMBANGAN PENGOMPOSAN APU-APU (*Pistia stratiotes* L.) DENGAN
BERBAGAI BAHAN CAMPURAN
(*Compost Balance Of Water Lettuce (*Pistia Stratiotes* L.) With Various
Compost Mixture*)**

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ABSTRACT

This study aims to determine the effect of the mixture of sawdust and straw on the nutrient content and the quality of water lettuce compost and to obtain the most effective mixtures in the process of composting water lettuce and to obtain a comparison between sawdust and straw which can increase the nutrient content and the quality of water lettuce compost. The study was conducted at the Green House of the Faculty of Agriculture University Muhammadiyah Yogyakarta. The experiment was designed with complete randomized design (CRD) with a single factor treatment design, namely balancing sawdust and straw consisting of four treatments, namely treatment of water lettuce compared to sawdust 5:6, water lettuce compared to sawdust 5:4, water lettuce compared to straw 5:6, water lettuce compared to straw 5:4, and water lettuce 5:0 (control). The results showed that the treatment of water lettuce compared to straw 5:4 was the best treatment of all treatments tested by producing organic C 6,86%, BO 11,84%, C/N 3,90, N 1,76% , P 0,10% and physical quality according to SNI standards.

Key words: compost, water lettuce, compost mixture, sawdust, straw.