



**Title :** Effect of Fermented Liquid Endosperm Coconut on Growth and Yield of Marigold (*Tagetes erecta* L.) Var. Sovereign

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### **ABSTRACT**

The effect of fermented liquid endosperm coconut on growth and productivity of Marigold (*Tagetes erecta* L.) Var. Sovereign was test. Completely Randomized Design (CRD) with 4 treatments 8 replications was used. The result shown that

treatment 4, prepared by 8 liters of young-coconut liquid endosperm fermented with ripe pumpkins, ripe banana, ripe papaya, and ripe pineapple each 1 kilogram, was most effective to growth and productivity of Marigold. Number of flowers per plant, flower size, weight of fresh flower, weight of dried flower, weight of fresh plant, and number of twigs shown significantly different ( $p < 0.01$ ). However, the treatment 4, 3, 2, and control which used 8 liters, 6 liters, 4 liters of young-coconut liquid endosperm, and 4 liter of clean water, respectively ; fermented with ripe pumpkins, ripe banana, ripe papaya, and ripe pineapple each 1 kilogram, have no significantly different ( $p > 0.05$ ) over number of leave, plant height, plantwidth, and plant dried weight.