THE STUDY OF MACRONUTRIE CONTENT OF COMPOST: A CASE STUDY OF FERMENTATION IN WOOD BASKETS

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ARTICLE HISTORY
Received: 03 January 2023 **Revised:** 06 January 2023 **Accepted:** 12 January 2023

ABSTRACT
The objectives of this research were to study 1) the macronutrient content of compost at different watering and 2) the macronutrient content of fermented compost on the ground and in the soil. The fermentation was carried out in 0.045 cubic meters of wooden baskets, with 8 kg of dry leaves per basket, total of 3 sets of experiments. Baskets 1, 3, 5 were placed on the soil and baskets 2, 4, and 6 were placed in the soil. Basket 1 was fermented. -2 will be watered with tap water, baskets 3-4 are watered with tap water mixed with PD1, baskets 5-6 are watered with tap water mixed with molasses Water 1 time/week in the amount of 500 ml. The fermentation period is 90 days. Days were analyzed for nitrogen, phosphorus and potassium content. The results showed that the compost placed on the soil Watering with tap water mixed with PAD.1 Provides maximum nitrogen and phosphorus content. And watering with tap water mixed with molasses will give the highest potassium content. The average nitrogen content was between 0.06±0.02 wt. The phosphorus content was between 0.07±0.01 wt. The average potassium content was 0.13±0.01 wt. It was found that the main nutrient contents of the compost on the soil and in the soil were lower than the standard values of organic fertilizers. (Department of Agriculture, 2012) that must contain nitrogen content of not less than 1.0 percent by weight, phosphorus and potassium content. Not less than 0.5 percent by weight.
Keywords: Macronutrients, Compost, Bamboo Baskets

CITATION INFORMATION: Phianchana, A., Kaewpatcha, J., & Wongsmbut, C. (2023). The Study of Macronutrie Content of Compost: A Case Study of Fermentation in Wood Baskets. *Procedia of Multidisciplinary Research, 1*(1), 8.

Data Availability Statement: The raw data supporting the conclusions of this article will be made available by the authors, without undue reservation.

Conflicts of Interest: The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.

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