

THE EFFECT OF GIVING RABBIT URINE
VERTILIZER AND VERMICOMPOST FERTILIZER TO GROWTH AND FORM
ATION OF PORANG TUBERS (*Amorphophallus muelleri* Blume)

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ABSTRACT

The aim of this study was to examine the effect of POC of rabbit urine with vermicompost fertilizer on accelerated growth and formation of porang tubers. The research method used factorial Completely Randomized Design (CRD) factorial (3x3 + 1 control). The first factor was giving POC rabbit urine at 3 different concentration levels, namely 200 mL/L; 400mL/L; 600mL/L. The second factor was the provision of vermicompost fertilizer at 3 dose levels, namely 12,5 g; 25g ; 37,5 g. Data were analyzed using Sidik Ragam at 5% level and DMRT (Duncan's Multiple Range Test followed by Orthogonal Contrast Test. The results showed that the combination of different treatments was significantly better than the control on the number of leaf blades 60 DAP and 75 DAP, plant height 45 DAP - 90 DAP , stem diameter 45 DAP – 75 DAP, fresh weight of leaves and stems, and dry weight 60 HST and 75 HST There was an interaction of POC rabbit urine 20 mL/L and vermicompost fertilizer 25 g on the number of leaves 75 HST , plant height 45 HST and 90 HST, stem diameter 45 DAP – 90 DAP, fresh weight of plants, fresh weight of leaves and stems, tuber diameter, tuber volume, root weight, sprouting speed, and percentage of growth. Rabbit urine POC concentration of 200 mL/L gave the best results on body weight dry porang plants 75 HST. Provision of vermicompost fertilizer at all doses to get the same good results

Key word : *Porang bulbs, Rabbit urine fertilizer, vermicompost fertilizer*