

## The Effect of Organic Matter and Cultivation System on *Kaempferia galanga* Growth and Development

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### ABSTRACT

The objective of this experiment was to evaluate the effect of organic matter, especially manure, and cultivation system on kencur (*Kaempferia galanga*) growth and development. The experiment was carried out at Balitro Experimental Field at Cibinong, Bogor. The treatments consisted of planting method, manure dosage, and planting depth. Planting method consisted of dibble and row systems. Manure dosage consisted of 0, 10, 20, and 30 tons ha<sup>-1</sup>, while planting depth consisted of 5 and 10 cm. The result indicated that the planting method affected number of rhizome, fresh root weight, and its yield. The planting depth affected only fresh root weight and its yield. The interaction of planting method and manure dosage affected the length of leaf and the interaction of those three treatments affected the width of leaf and shoot diameter. The best treatment was dibble method, 30 tons ha<sup>-1</sup> manure, and 10 cm planting depth.