

**THE EFFECT OF VARIOUS TYPE OF FERTILIZERS ON GROWTH OF
DENDROBIUM ORCHIDS**

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ABSTRACT

This research was aimed to determine the effect of various type of fertilizers on the growth of Dendrobium orchids. This research was conducted in Green House, Experimenal Farm Unit 1 University of Mercu Buana Yogyakarta, Argomulyo, Kecamatan Sedayu, Kabupaten Bantul started from February - June 2019. Method used in this research was a Completely Randomised Design (RCD) with four treatments and three replications. The tested treatments were (1) NPK Fertilizer 20-20-20, (2) Namira Fertilizer, (3) MSG Fertilizer, (4) Consortium Fertilizer. This research indicated that by giving NPK 20-20-20 affected the elongation of plant height on the growth of Dendrobium. Namira Fertilizer in the other hand affected leaf height and leaf area. Nevertheless Consortium fertilizer showed the best effect amongst the treatments on number of shoot, shoot elongation, and increasing in number of root on the growth of Dendrobium orchid

Keywords : Fertilizer, Dendrobium, consortium.