

Pengaruh Pemberian Kombinasi Pupuk Majemuk NPK (25:7:7) dan NPK Kemasan (10:55:10) terhadap Pertumbuhan Vegetatif Tanaman Kamboja Jepang (*Adenium Obesum*)

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Abstrak

The objectives of this research were (i) to identify the effects of combination of compound fertilizers of NPK (25:7:7) and package NPK (10:55:10) on vegetative growth *Adenium obesum* instead of Japanese frangipani plant, and (ii) to obtain the best combination of dose of NPK (25:7:7) and package NPK (10:55:10) in order to improve plant vegetative growth of *Adenium obesum*. This experiment was conducted in employed completely random design with factorial pattern of 4x4 and three times repetition. Factor I, the dose of NPK (25:7:7) fertilizer in 4 levels of dose: 0.0 g/L; 0.5 g/L; 1.0 g/L; and 1.5 g/L. Meanwhile, factor II, the dose of package NPK (10:55:10) was applied with 4 levels of dose: 0.0 g/L; 0.5 g/L; 1.0 g/L; and 1.5 g/L. The data obtained were analyzed using variance analysis (ANOVA) technique to identify the influence of the treatment towards variables measured and mean separation was evaluated using DMRT with 5% level of difference. The results show that the use of combination of compound fertilizers NPK (25:7:7) and package NPK (10:55:10) improves plant vegetative growth of *Adenium obesum*. However, the use of combination of NPK 0.0 g/L and package NPK 0.5 g/L shows unsatisfactory results. The combination of NPK 0.5 g/L and package NPK 1.5 g/L provides the best result in improving plant vegetative growth of *Adenium obesum*.