

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 in stead 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 .5 g/L and package NPK 1.5 g/L provides the best result in improving plant vegetative growth of Adenium obesum.