PENGARUH KONSENTRASI PUPUK ORGANIK CAIR KULIT PISANG TERHADAP PERTUMBUHAN TANAMAN MAWAR

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INTISARI

Penelitian ini dilakukan pada bulan Oktober 2022 sampai Desember 2022. Penelitian dilaksanakan di kebun pendidikan dan penelitian (KP2) Instiper Desa Maguwoharjo, Kecamatan Depok, Kabupaten Sleman, Daerah Istimewa Yogyakarta. Ketinggian tempat penelitian 118 meter di atas permukaan laut. Tujuan dari penelitian ini untuk mengetahui konsentrasi pupk organik cair berbahan dasar kulit pisang yang tepat terhadap pertumbuhan tanaman mawar. Penelitian ini menggunakan perlakuan faktor tunggal yang terdiri dari 4 perlakuan yang disusun di lapangan menggunakan Rancangan Acak Lengkap (RAL) dengan 3 ulangan. Perlakuan yang diujikan adalah pemberian konsentrasi pupuk organik cair kulit pisang kepok konsentrasi 200 ml/liter air, 400 ml/liter air, dan 600 ml/liter air. Variabel yang diamati adalah jumlah tunas, jumlah daun, panjang tunas dan umur saat pertama muncul bunga. Hasil penelitian menunjukkan bahwa pemberian pupuk organik cair kulit pisang kepok berpengaruh terhadap jumlah tunas, jumlah daun, dan umur saat muncul bunga pertama. Pemberian pupuk organik cair kulit pisang dengan konsentrasi 400 ml/liter air memberikan hasil tertinggi untuk pertumbuhan tanaman mawar.

Kata Kunci : Mawar, Pupuk organik cair, konsentrasi

The Effect of Concentration of Banana Peel Liquid Organic Fertilizer on the Growth of Rose

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ABSTRACT

This research was conducted from October 2022 to December 2022. The study was conducted at the Instiper education and research garden (KP2) in Maguwoharjo Village, Depok District, Sleman Regency, and Yogyakarta Special Region. The altitude of the research area is 118 meters above sea level. The purpose of this study was to determine the proper concentration of liquid organic fertilizer made from banana peels for the growth of rose plants. This study used a single factor design consisting of 4 treatments arranged in the field using a completely randomized design (CRD) with 3 replications. The treatment tested was the concentration of liquid organic fertilizer on banana peels at kepok concentrations of 200 ml/liter of water, 400 ml/liter of water, and 600 ml/liter of water. The variables observed were number of shoots, number of leaves, length of shoots, and age at first flower appearance. The results showed that the application of Kepok banana skin liquid organic fertilizer had an effect on the number of shoots, the number of leaves, and the age at which the first flowers appeared. Application of banana peel liquid organic fertilizer with a concentration of 400 mL per liter of water gave the highest yield for the growth of rose plants.

Keywords: roses, liquid organic fertilizer, concentration