

ABSTRAK

Finka Rifni Assyifa. 2025. Efektivitas Asam Humat Terhadap Efisiensi NPK 16:16:16 Serta Pengaruhnya Terhadap Pertumbuhan dan Hasil Padi Hitam Lokal Cianjur. Di bawah bimbingan Jajang Supriatna dan Efrin Firmansyah.

Asam humat merupakan bahan organik dengan perannya sebagai pembenah tanah yang dapat mengefisienkan penggunaan pupuk kimia, salah satunya pupuk NPK. Penggunaan asam humat menjadi pilihan yang baik dalam penanaman Padi Hitam Lokal Cianjur karena dapat mengefisienkan penggunaan pupuk NPK sehingga unsur hara dapat tersedia dalam tanah lebih lama. Penelitian menggunakan metode Rancangan Acak Kelompok (RAK) dengan 10 perlakuan dan 3 ulangan, dengan setiap perlakuan terdiri atas 2 unit, sehingga diperoleh 60 unit percobaan. Perlakuan terdiri atas kontrol (NPK 250 kg ha⁻¹), pupuk NPK (187,5; 125; 62 kg ha⁻¹), dan asam humat (0, 3, 6, 9 kg ha⁻¹). Hasil penelitian menunjukkan bahwa aplikasi asam humat dengan berbagai dosis perlakuan efektif terhadap efisiensi NPK 16:16:16 serta pertumbuhan dan hasil Padi Hitam Lokal Cianjur.

Kata kunci : Asam Humat, Cianjur, Efisiensi, NPK, Padi Hitam Lokal



ABSTRACT

Finka Rifni Assyifa. 2025. The Effectiveness of Humic Acid on the Efficiency of NPK 16:16:16 and Its Effect on the Growth and Yield of Cianjur Local Black Rice. Under the guidance of Jajang Supriatna *and* Efrin Firmansyah.

Humic acid is an organic material that functions as a soil conditioner, which can enhance the efficiency of chemical fertilizers, including NPK fertilizers. Therefore, the application of humic acid is a good option in the cultivation of local black rice from Cianjur, as it can increase the efficiency of NPK fertilizer use, allowing nutrients to remain available in the soil for a longer period. The research used a Randomized Complete Block Design (RCBD) with 10 treatments and 3 replications, with each treatment consisting of 2 units, resulting in a total of 60 experimental units. The treatments included a control (NPK 250 kg ha⁻¹), NPK fertilizer (187.5; 125; 62 kg ha⁻¹), and humic acid (0, 3, 6, 9 kg ha⁻¹). The results showed that the application of humic acid at various treatment had an effect on the efficiency of NPK 16:16:16 fertilizer, as well as on the growth and yield of local black rice from Cianjur.

Keyword : Cianjur, Efficiency, Humic Acid, Local Black Rice, NPK