

ABSTRAK

Yelly Nurliyadin, 2013. Pengaruh Pemberian Jenis Pupuk Bokashi Terhadap Pertumbuhan Dan Hasil Tanaman Ubi Jalar (*Ipomoea batatas* L.) Varietas Cilembu, dibawah bimbingan Cecep Hidayat dan Eri Mustari.

Penelitian yang bertujuan untuk mengetahui pengaruh pemberian jenis pupuk bokashi terhadap pertumbuhan dan hasil tanaman ubi jalar varietas Cilembu telah dilakukan di Desa Tanjungsari Kab. Sumedang sejak Bulan Mei 2013 sampai dengan Bulan September 2013, menggunakan Rancangan Acak Kelompok (RAK) dengan 11 perlakuan yang diulang tiga kali yaitu : (A) tanpa pupuk bokashi, (B) bahan dasar 100%, (C) bahan dasar 75% + pupuk bokashi jerami 25%, (D) bahan dasar 50% + pupuk bokashi jerami 50%, (E) bahan dasar 25% + pupuk bokashi jerami 75%, (F) bahan dasar 75% + pupuk bokashi eceng gondok 25%, (G) bahan dasar 50% + pupuk bokashi eceng gondok 50%, (H) bahan dasar 25% + pupuk bokashi eceng gondok 75%, (I) bahan dasar 75% + pupuk bokashi sabut kelapa 25%, (J) bahan dasar 50% + pupuk bokashi sabut kelapa 50%, (K) bahan dasar 25% + pupuk bokashi sabut kelapa 75%, dengan parameter pengamatan meliputi jumlah daun, jumlah cabang, panjang batang, jumlah ubi per tanaman, bobot per ubi (g), bobot ubi per tanaman (g), hasil ubi ($t\ ha^{-1}$). Berdasarkan hasil percobaan dapat disimpulkan bahwa pemberian pupuk dengan bahan dasar jerami 25% + bokashi eceng gondok 75% per tanaman merupakan takaran pupuk bokashi yang baik untuk meningkatkan pertumbuhan jumlah daun, jumlah cabang, panjang batang, jumlah ubi per tanaman, bobot per ubi, bobot ubi per tanaman, dan hasil ubi ($t\ ha^{-1}$).

Kata kunci : Ubi jalar, pertumbuhan, pupuk bokashi.

ABSTRACT

Yelly Nurliyadin, 2013. Effect of type of Bokashi fertilizer on growth and yield of sweet potato (*Ipomoea batatas* L.) Varieties Cilembu, Supervised by Cecep Hidayat and Eri Mustari.

The study aimed to determine the effect of bokashi fertilizer on the growth and yield of sweet potato varieties Cilembu have done in December Tanjungsari district. Sumedang from May 2013 to September 2013, using a randomized block design (RBD) 11 treatments with three replications, namely : (A) without bokashi fertilizer, (B) the base material 100%, (C) the base material 75% + straw bokashi fertilizer 25%, (D) base material 50% + straw bokashi fertilizer 50%, (E) base material 25% + straw bokashi fertilizer 75%, (F) base material 75% + water hyacinth bokashi fertilizer 25%, (G) base material 50% + water hyacinth bokashi fertilizer 50%, (H) base material 25% + water hyacinth bokashi fertilizer 75%, (I) the base material 75% + coconut fiber bokashi fertilizer 25%, (J) the base material 50% + coconut fiber bokashi fertilizer 50%, (K) base material 25% + coconut fiber bokashi fertilizer 75%, with the observation parameters include the number of leaves, number of branches, stem length, number of tubers per plant, weight per tuber (g), the weight of potato per plant (g), the results of yam ($t\ ha^{-1}$). Based on the experimental results it can be concluded that the application of fertilizer to the base material straw 25% + 75% water hyacinth bokashi per plant is a good dose of bokashi fertilizer to boost growth in the number of leaves, number of branches, stem length, number of tubers per plant, weight per potato, weight tubers per plant, and the results of yam ($t\ ha^{-1}$).

Keywords: Sweet potato, growth, bokashi fertilizer.