

INTISARI

Penelitian ini berjudul. “Pengaruh Kombinasi Pupuk Organik Cair Limbah Ikan Laut dan Urea Terhadap Pertumbuhan dan Hasil Tanaman Sawi (*Brassica juncea* (L.)”. dilakukan di *Green House* Fakultas Pertanian Universitas Muhammadiyah Yogyakarta dari bulan Maret sampai dengan Mei 2018. Penelitian ini menggunakan metode rancangan lingkungan yang disusun dalam rancangan acak lengkap dengan perlakuan tunggal yang terdiri dari 100% N-Urea (P1), 75% N-Urea + 25% N-POC Limbah Ikan Laut (P2), 50% N-Urea + 50% N-POC Limbah Ikan Laut (P3), 25% N-Urea + 75% N-POC Limbah Ikan Laut (P4), 100% N-POC Limbah Ikan Laut (P5). Hasil penelitian menunjukkan bahwa kombinasi Pupuk Cair Limbah Ikan Laut dan Urea berpengaruh dalam proses pertumbuhan dan hasil tanaman sawi. Perlakuan (P3) 50% N-Urea + 50% N-POC Limbah Ikan Laut atau setara 0,3 gram Urea + 4,4 ml Pupuk cair limbah ikan laut memberikan potensi hasil 38.777,5 ton/helktar.

Kata Kunci: Pakcoy, Limbah Ikan, Kombinasi Pupuk Cair.

ABSTRACT

A research entitled “Combination of Liquid Fertilizer of sea fish waste and Urea on mustard growth and yield (Brassica juncea L.)” was carried out in the Green House, Faculty of Agriculture, Universitas Muhammadiyah Yogyakarta from march up to may 2018. This research was conducted using environmental method and arranged in Completely Randomized Design with single factor. The treatments were consisting of 100% N-Urea (P1), 75% N-Urea + 25% N-Liquid fertilizer sea fish waste (P2), 50% N-Urea + 50% N- Liquid fertilizer sea fish waste (P3), 25% N-Urea + 75% N- Liquid fertilizer sea fish waste (P4), 100% N-POC Liquid fertilizer sea fish waste (P5). The results showed that combination of Liquid fertilizer sea fish waste and Urea govern on mustard growth and yield. Treatment (P3) 50% N-Urea + 50% N- Liquid fertilizer sea fish waste equal to 0,3 gram Urea + 4,4 ml gave the potential yield 38.777,5 tons/hectare.

Key Words : Pakcoy, Fish Waste, Combination of Liquid Fertilizer.