

Diah Nor Fatma 180311100089. Pengaruh Respon Pertumbuhan dan Hasil Tanaman Sawi (*Brassica juncea* L.) Terhadap Komposisi Media Tanam dan Pupuk Organik Cair. **Pembimbing Mustika Tripatmasari, S.P., M.Si dan Ir. Slamet Supriyadi, M.Si**

ABSTRAK

Sawi merupakan tanaman sayur yang banyak dikenal dan digemari masyarakat karena kandungan gizinya. Produktivitas sawi sendiri belum mencukupi kebutuhan konsumsi masyarakat. Komposisi media tanam dan pemupukan dapat mempengaruhi produktivitas sawi. Tujuan penelitian ini adalah mengetahui respon pertumbuhan dan hasil tanaman sawi terhadap komposisi media tanam dan pupuk organik cair. Penelitian ini menggunakan Rancangan acak Kelompok Faktorial dengan 8 kombinasi perlakuan dan 3 ulangan. Hasil penelitian menunjukkan bahwa media tanam arang sekam (M1) dan pupuk 12 mL/L air (P3) memberikan pengaruh nyata pada tinggi tanaman 34,42 cm, jumlah daun 14,33 helai, luas daun 1.425,35 cm², bobot basah 51,72 g, bobot kering 4,55 g, dan kandungan klorofil 13,96 mg/L.

Kata kunci: Sawi, Media tanam, Pupuk organik cair

Diah Nor Fatma 180311100089. Response of Growth and Yield of Mustard (*Brassica juncea* L.) to the Composition of Planting Media and Liquid Organic Fertilizer. **Supervisor Mustika Tripatmasari, S.P., M.Si and Ir. Slamet Supriyadi, M.Si**

ABSTRACT

Mustard is a vegetable plant that is widely known and favored by the public because of its nutritional content. The productivity of mustard it self is not sufficient for public consumption. Planting media material and fertilization can affect the productivity of mustard greens. The purpose of this study was to determine the growth response and yield of mustard greens, the composition of the growing media and liquid organic fertilizer. This study used a factorial randomized block design with 8 treatment combinations and 3 replications. The result showed that rice husk charcoal (M1) and 12 mL/L water fertilizer (P3) had a significant effect on plant height 32.42 cm, number of leaves 14.33 strands, leaf area 1,425.35 cm², wet weight 51.72 g, dry weight 4.55 g, and chlorophyll content 13.96 mg/L.

Keyword: Mustard, Media material, Liquid organic fertilizer