

**RESPON PERTUMBUHAN DAN HASIL TANAMAN SELADA KERITING
(*Lactuca sativa* L.) PADA KOMBINASI PUPUK ORGANIK KASCING,
KASGOT, DAN KOTORAN AYAM**

Oleh : Sittahusna Berliana Hapsari

Dibimbing oleh : Maryana

ABSTRAK

Selada keriting (*Lactuca sativa* L.) merupakan salah satu tanaman hortikultura yang banyak dikonsumsi oleh masyarakat Indonesia. Hasil selada keriting dapat ditingkatkan dengan penggunaan pupuk organik kascing, kasgot, dan kotoran ayam. Penelitian ini bertujuan untuk mengetahui pengaruh jenis pupuk organik yang paling baik terhadap pertumbuhan dan hasil tanaman selada keriting. Penelitian dilaksanakan pada bulan Agustus – September 2025 di Greenhouse Fakultas Pertanian UMY, Tamantirto, Bantul, Daerah Istimewa Yogyakarta. Metode penelitian ini menggunakan Rancangan Acak Lengkap (RAL) faktor tunggal dengan 8 perlakuan yang terdiri atas kontrol; tanah+pupuk kascing (1:1); tanah+pupuk kasgot (1:1); tanah+pupuk kotoran ayam (1:1); tanah+pupuk kascing+pupuk kasgot (1:1:1); tanah+pupuk kascing+pupuk kotoran ayam (1:1:1); tanah+pupuk kasgot+pupuk kotoran ayam (1:1:1); tanah+pupuk kascing+pupuk kasgot+pupuk kotoran ayam (1:1:1:1). Data pengamatan dianalisis dengan Sidik Ragam (ANOVA) dengan taraf 5% dan uji DMRT pada taraf 5%. Hasil penelitian menunjukkan perlakuan tanah + pupuk kascing (1:1) memberikan hasil yang baik pada tinggi tajuk umur 2 MST, jumlah daun pada umur 2 dan 3 MST, bobot segar tanaman, bobot segar tanaman per unit percobaan, dan bobot ekonomis tanaman selada keriting.

Kata kunci : selada keriting, kascing, kasgot, kotoran ayam

**RESPONSE TO GROWTH AND YIELD OF CURLY LETTUCE (*Lactuca sativa* L.) IN COMBINATION WITH ORGANIC FERTILIZER
VERMICOMPOST, KASGOT, AND CHICKEN MANURE**

By : Sittahusna Berliana Hapsari

Supervised by : Maryana

ABSTRACT

Curly lettuce (*Lactuca sativa* L.) is a horticultural plant that is widely consumed by the Indonesian people. The yield of curly lettuce can be increased through the use of vermicompost, kasgot, and chicken manure organic fertilizers. This study aims to determine the most effective type of organic fertilizer for the growth and yield of curly lettuce. The study was conducted from August to September 2025 at the Greenhouse of the Faculty of Agriculture, UMY, Tamantirto, Bantul, Special Region of Yogyakarta. The research method used a single-factor completely randomized design (CRD) with 8 treatments consisting of control; soil + vermicompost fertilizer (1:1); soil + kasgot fertilizer (1:1); soil + chicken manure fertilizer (1:1); soil + vermicompost fertilizer + kasgot fertilizer (1:1:1); soil + vermicompost fertilizer + chicken manure fertilizer (1:1:1); soil + kasgot fertilizer + chicken manure fertilizer (1:1:1); soil + vermicompost fertilizer + kasgot fertilizer + chicken manure fertilizer (1:1:1:1). The observation data were analyzed using analysis of variance (ANOVA) at a 5% level and DMRT test at a 5% level. The results showed that soil treatment + vermicompost fertilizer (1:1) gave good results on on plant height at 2 WAP, number of leaves at 2 and 3 WAP, fresh weight of plants, fresh weight of plants per experimental unit, and economic weight of curly lettuce plants.

Keyword : curly lettuce, vermicompost, kasgot fertilizer, chicken manure