PENGARUH WAKTU PENYIANGAN GULMA TERHADAP PERTUMBUHAN DAN HASIL TANAMAN TERONG UNGU (*Solanum melongena* L)

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ABSTRAK

Tanaman terong merupakan komoditas hortikultura yang bernilai tinggi. Namun, produktivitasnya sering terkendala dengan persaingan gulma. Persaingan perlu dikendalikan agar hasil terong bisa meningkat. Tujuan penelitian untuk mengetahui pengaruh waktu penyiangan gulma terhadap pertumbuhan dan hasil tanaman terong. Penelitian dilaksanakan di Kebun Praktik Fakultas Pertanian UPN "Veteran" Yogyakarta, Wedomartani, Ngemplak, Sleman, pada bulan November 2025 hingga Januari 2026. Penelitian menggunakan Rancangan Acak Kelompok Lengkap (RAKL) dengan satu faktor yaitu waktu penyiangan. Perlakuan yang digunakan adalah kontrol (tanpa penyiangan), penyiangan 3 MST; 5 MST; 7 MST; 3 dan 5 MST; 3 dan 7 MST; 5 dan 7 MST; serta 3, 5, dan 7 MST, dengan 3 ulangan. Data dianalisis menggunakan ANOVA jenjang 5% dan dilanjutkan dengan uji Beda Nyata Terkecil (BNT) jenjang 5%. Hasil penelitian menunjukkan bahwa waktu penyiangan gulma berpengaruh terhadap pertumbuhan dan hasil tanaman terong. Perlakuan penyiangan pada umur 3, 5, dan 7 MST memberikan hasil terbaik terhadap tinggi tanaman, umur berbunga, panjang buah, jumlah & bobot buah per tanaman dan per petak, serta bobot buah per hektar.

Kata kunci : *Terong ungu, Waktu Penyiangan Gulma, Pertumbuhan, Hasil Tanaman*

EFFECT OF WEEDING TIME ON THE GROWTH AND YIELD OF EGGPLANT (*Solanum melongena* L.)

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ABSTRACT

Eggplant is a high-value horticultural commodity. However, its productivity is often constrained by weed competition. This competition needs to be controlled to increase eggplant yields. The purpose of this study was to determine the effect of weed weeding timing on the growth and yield of eggplant. The research was conducted at the Experimental Garden of the Faculty of Agriculture, UPN "Veteran" Yogyakarta, Wedomartani, Ngemplak, Sleman, from November 2025 to January 2026. The study utilized a Randomized Complete Block Design (RCBD) with a single factor, namely the weeding timing. The treatments used were a control (no weeding); weeding at 3 WAP; 5 WAP; 7 WAP; 3 and 5 WAP; 3 and 7 WAP; 5 and 7 WAP; as well as 3, 5, and 7 WAP, with 3 replications. Data were analyzed using ANOVA at a 5% significance level and followed by the Least Significant Difference (LSD) test at a 5% significance level. The results showed that the timing of weed weeding affected the growth and yield of eggplant. The weeding treatment at 3, 5, and 7 WAP yielded the best results for plant height, flowering age, fruit length, number & weight of fruit per plant and per plot, as well as fruit weight per hectare.

Keywords : *Eggplant, Weed, Weeding Time, Growth, Yield*