

**PEMBERIAN BERBAGAI KONSENTRASI GIBERELIN DAN JENIS  
MULSA TERHADAP PERTUMBUHAN DAN HASIL TANAMAN  
MENTIMUN BABY (*Cucumis sativus* L.)**

Oleh : Valentina Livia Muliasari  
Dibimbing oleh : Ari Wijayani

**ABSTRAK**

Rendahnya produksi mentimun yang diakibatkan rontoknya bunga dan kondisi lingkungan yang kurang optimal. Penelitian ini bertujuan untuk mendapatkan konsentrasi giberelin dan jenis mulsa yang paling baik terhadap pertumbuhan dan hasil tanaman mentimun baby. Penelitian merupakan percobaan lapangan dengan menggunakan Rancangan Acak Kelompok Lengkap (RAKL). Faktor pertama yaitu pemberian konsentrasi giberelin 100, 150, dan 200 ppm. Faktor kedua yakni mulsa plastik, mulsa jerami, dan mulsa sekam padi. Data yang diperoleh dianalisis dengan ANOVA taraf 5% dan di uji lanjut dengan uji DMRT dengan taraf 5%. Hasil penelitian menunjukkan bahwa terdapat interaksi antara perlakuan konsentrasi giberelin dan macam mulsa terhadap diameter batang 14, 21 HST, jumlah daun 14, 21, 28, dan 35 HST serta umur muncul bunga. Konsentrasi giberelin 200 ppm memberikan hasil terbaik pada jumlah buah per tanaman dan bobot buah per tanaman. Mulsa plastik memberikan hasil terbaik pada jumlah bunga betina, jumlah bunga jadi, kerontokan bunga, bobot buah per buah, dan bobot buah per tanaman.

Kata Kunci: *Mentimun baby, Giberelin, Mulsa*

**APPLICATION OF VARIOUS CONCENTRATIONS OF GIBBERELIN  
AND TYPES OF MULSA TO GROWTH AND YIELD OF BABY  
CUCUMBER (*Cucumis sativus* L.)**

By : Valentina Livia Muliasari  
Supervised by : Ari Wijayani

**ABSTRACT**

Low cucumber production is caused by flower fall and suboptimal environmental conditions. This study aims to determine the concentration of gibberellin and the type of mulch on the growth and yield of baby cucumber plants. The research was organized using a Completely Randomized Block Design (CRBD) with 2 factors. The first factor is the provision of gibberellin concentrations of 100, 150, and 200 ppm. The second factor is plastic mulch, straw mulch, and rice husk mulch. The data obtained were analyzed with ANOVA at 5% level and further tested with DMRT test at 5% level. The results showed that there was an interaction between gibberellin concentration treatment and mulch type on stem diameter 14, 21 HST, number of leaves 14, 21, 28, and 35 HST and age of flower appearance. Gibberellin concentration of 200 ppm gave the best results on the number of fruits per plant and fruit weight per plant. Plastic mulch gave the best results on the number of female flowers, the number of finished flowers, flower loss, fruit weight per fruit, and fruit weight per plant.

*Keywords:* Baby cucumber, Gibberellin, Mulch