

## **INTISARI**

Penelitian ini dilaksanakan di lahan Jogja Youth Farming yang terletak di desa Argomulyo, Sedayu, Bantul, Daerah Istimewa Yogyakarta dan Laboratorium Agroteknologi Universitas Mercu Buana Yogyakarta pada bulan 23 Oktober 2020 sampai dengan 17 Desember 2020 dengan tujuan untuk mengetahui interaksi antara dosis pupuk NPK dan 3 varietas terhadap pertumbuhan dan hasil mentimun selain itu juga untuk mengetahui dosis pupuk NPK dan 3 varietas mentimun yang memberikan pertumbuhan dan hasil yang terbaik. Penelitian ini menggunakan Rancangan Acak Kelompok Lengkap (RAKL) faktorial dengan faktor Dosis Pupuk NPK yaitu tanpa pemupukan/kontrol, dosis pupuk NPK 20 g per tanaman dan dosis pupuk NPK 30 g per tanaman. Faktor Perlakuan Macam Varietas Tanaman Mentimun yaitu Zatavy F1, Mercy F1 dan Metavy F1 yang masing-masing perlakuan terdiri dari 3 ulangan sehingga terdapat 27 satuan percobaan. Hasil penelitian menunjukkan bahwa tidak terdapat interaksi antara dosis pupuk NPK dan macam varietas terhadap pertumbuhan dan hasil mentimun, pemberian dosis pupuk NPK 30 g per tanaman memberikan pertumbuhan dan hasil mentimun yang terbaik dibandingkan dosis pupuk NPK 20 g per tanaman dan tanpa pemupukan, ketiga macam varietas mentimun tidak menunjukkan pertumbuhan dan hasil yang berbeda, namun secara kualitas Zatavy F1 mempunyai bobot per buah terbesar.

Kata kunci : Mentimun, Dosis Pupuk NPK, Varietas

## **ABSTRACT**

*This research had been carried out in Jogja Youth Farming land located in the village of Argomulyo, Sedayu, Bantul, Yogyakarta Special Region and the Agrotechnology Laboratory of Yogyakarta Mercu Buana University from 23 October 2020 to 17 December 2020. The reaserch was aimed to know the interaction between NPK fertilizer dosage and cucumber varieties, and the best combination of NPK fertilizer dosage and kind of variety which had the best cucumber growth and yield. This study used a factorial Randomized Complete Block Design (RCBD) with two treatment factors i.e. dosage of NPK fertilizer and kinds of cucumber variety. NPK fertilizer dosage factor were consisted of without fertilization / control (A0), 20 gram per plant and 30 gram per plant. The various cucumber varieties were consisted of Zatavy F1, Mercy F1 and Metavy F1. All of the treatments had three replications so that there were 27 experimental units. The results of the reaserch showed that there was no interaction between NPK fertilizer dosage and kinds of variety on cucumber growth and yield, and 30 gram of NPK fertilizer for each plant could gave the best cucumber growth and yield compared to 20 gram per plant and without fertilization. The three varieties of cucumbers did not show significance different growth and yield, but Zatavy F1 had the heaviest weight of fruit.*

*Key words: cucumber, NPK fertilizer dosage, variety*