

Pengujian Daya Tumbuh, Kecepatan Tumbuh serta Keserempakan Tumbuh terhadap Beberapa Galur dan Ukuran Benih Jagung Hibrida (*Zea mays* L.).
*(The Viability, Growth Speed and Growth Simultaneously Test of Several Hybrid Maize Strains (*Zea mays* L.) and Seed Size. Supervised by : Dr. Ir. N. Bambang Eko Sulistiono, Msi and Agus Supriono, SP.*

Deka Dewi Lestari
Study Program of Seed Production Technique
Department of Agricultural Production
Program Studi Teknik Produksi Benih
Jurusan Produksi Pertanian

ABSTRACT

*Seed Quality Test is one method to determine the viability and vigor of the seed. One of problem on seed procurement is determine how to select high physiological quality seed that related with seed size. Maize seed (*Zea mays* L.) has a various size of seed, there are big, medium and small size. This research aims to determine the best strains and seed size toward quality of hybrid maize seed. this research was conducted in December 2018 to January 2019 in Kanigoro Village, Pagelaran, Malang Regency. This research was using faktorial Randomized Complete Block Design (RCBD) with 2 faktors and 4 replications. The first faktor was strains consisted 2 levels there were Syn 103 (G_1) and Syn 105 (G_2). The second faktor was seed size consisted 3 levels, there were Big size (U_1), Medium size (U_2) and small size (U_3). The data was analyzed by using f Test (ANOVA) and followed by BNT 5%. The result of this research shows that there is an interaction between strains seed size. The best interaction is Syn 02 and big seed size (G_2U_1) on seed viability with value of 95,00%, and on growth simulatneously with value of 85,25%.*

Key words : *Maize, Seed Size, Strains*