

## ABSTRAK

Penelitian tentang efektivitas media tanam untuk perbanyak spora glomus hasil isolasi dari rizosfer *Pternandra echinata* Jack. telah dilakukan dari bulan Februari - November 2013 di rumah kaca dan Laboratorium Fisiologi Tumbuhan Jurusan Biologi Universitas Andalas. Penelitian ini bertujuan untuk mengetahui jenis media tanam yang efektif untuk perbanyak Glomus hasil isolasi dari rizosfer *Pternandra echinata*. Penelitian ini menggunakan rancangan acak lengkap dengan 3 perlakuan dan 9 ulangan. Perlakuan terdiri dari jenis media tanam yang digunakan yaitu pasir, zeolit, dan pasir zeolit. Hasil penelitian menunjukkan bahwa media tanam yang digunakan memberikan pengaruh yang berbeda nyata pada pertambahan tinggi tanaman jagung dan jumlah daun. Sedangkan kepadatan spora dan bobot kering akar jagung menunjukkan hasil yang tidak berbeda nyata. Semua perlakuan menunjukkan bahwa tanaman jagung terinfeksi tinggi oleh spora glomus. Secara umum media tanam pasir, zeolit, pasir zeolit efektif untuk perbanyak spora glomus hasil isolasi dari *Pternandra echinata* Jack.

Kata Kunci : Efektivitas, Glomus, Media Tanam

## ABSTRACT

The study about effectivity of growth medium for multiplication of glomus spores isolated from the rhizosphere *Pternandra echinata* Jack. has been conducted from February to November 2013. This experiment was conducted in the greenhouse Plant Physiology Laboratory Department of Biology, Andalas University. This study to determine the appropriate type of growth medium for multiplication of glomus isolated from rhizosphere *Pternandra echinata*. The experiment used a Completely Randomized Design with 3 treatments and 9 replications. The treatment consisted of the type of medium i.e. sand, zeolite, and zeolite sand. The results showed that growth medium gives a significant effect on the increase of corn height and number of leaves. Meanwhile, the spore density and dry weight of the root of corns showed non significantly different between all treatments. All treatments showed that corns were highly infected by glomus spores. In general, all growth medium were suitable for multiplication of glomus spores isolated from the rhizosphere *Pternandra echinata* Jack.

Keywords : Effectivity, Glomus, Growth Medium