

**PENGARUH TAKARAN INOKULAN MIKORIZA *Glomus fasciculatum* TERHADAP PERTUMBUHAN BIBIT SUREN
(*Toona sureni* Merr)**

Oleh:

Raden Muhamad Lyra Ismail

NPM 195001032

Dosen Pembimbing:

Dedi Natawijaya

Amir Amilin

ABSTRAK

Suren (*Toona sureni* Merr) merupakan tanaman kehutanan yang tergolong kedalam *high quality timber species* berfungsi sebagai bahan utama untuk bangunan, dekorasi, perahu dan kotak penyimpanan. Dikarenakan manfaatnya yang luar biasa tanaman suren dieksploitasi secara terus menerus terutama tanaman yang berasal dari habitat alamnya di hutan, namun tidak ada keseimbangan dalam proses peremajaan tanaman yang telah dimanfaatkan. Penelitian ini bertujuan untuk mengetahui takaran mikoriza *Glomus fasciculatum* yang berpengaruh paling baik terhadap pertumbuhan bibit tanaman suren. Penelitian ini dilaksanakan pada bulan juni hingga September 2023 di Lahan praktek Fakultas Pertanian Universitas Siliwangi. Percobaan dilakukan menggunakan Rancangan Acak Kelompok (RAK) 1 faktor yang terdiri dari 5 taraf pengujian pemberian takaran inokulan mikoriza *Glomus fasciculatum* (0 g, 5 g, 10 g, 15 g dan 20 g/tanaman) dan diulang sebanyak 5 kali. Data hasil penelitian dianalisis menggunakan sidik ragam dan dilanjutkan dengan Uji Jarak Berganda Duncan dengan tingkat kepercayaan 95%. Hasil pengujian menunjukkan takaran inokulan mikoriza *Glomus fasciculatum* memberikan dampak positif terhadap pertumbuhan bibit suren. Takaran mikoriza *Glomus fasciculatum* 5 g/tanaman berpengaruh paling baik dan efektif untuk meningkatkan pertumbuhan bibit suren (*Toona sureni* Merr).

Kata kunci: *Glomus fasciculatum*, Inokulan, Suren

**EFFECT OF *Glomus fasciculatum* MYCORRHIZAL
INOCULANT DOSAGE ON GROWTH OF SUREN
SEEDLING (*Toona sureni* Merr)**

By:

Raden Muhamad Lyra Ismail

NPM 195001032

Under Guidance of:

Dedi Natawijaya

Amir Amilin

ABSTRACT

Suren or surian (*Toona sureni* Merr) is a forestry plant classified as a high quality timber species, functioning as the main material for buildings, decorations, boats and storage boxes. Due to its extraordinary benefits suren plants are exploited continuously, especially plants that come from their natural habitat in the forest, but there is no balance in the process of aging plants that have been utilized. This study aims to determine the dose of mycorrhiza *Glomus fasciculatum* that has the best effect on the growth of suren plant seedlings. This research was conducted from June to September 2023 in the practice field at the Faculty of Agriculture, Siliwangi University. The experiment was conducted using a 1-factor Randomized Block Design (RBD) consisting of 5 levels of testing the inoculant rate of *Glomus fasciculatum* mycorrhiza (0 g, 5 g, 10 g, 15 g and 20 g/plant) and repeated 5 times. Data from the study were analyzed using variance analysis and continued with Duncan's Multiple Range Test with 95% confidence level. The test results showed that the inoculant dosage of mycorrhiza *Glomus fasciculatum* have a positive impact on the growth of suren seedlings. The dose of mycorrhiza *Glomus fasciculatum* 5 g/plant has the best and most effective effect to increase the growth of suren (*Toona sureni* Merr) seedlings.

Keywords: *Glomus fasciculatum*, Inoculant, Suren