

ABSTRAK

Penelitian ini bertujuan untuk meneliti pengaruh pemberian ekoenzim plus terhadap pertumbuhan bibit kopi Liberika Tungkal Komposit di polybag. Penelitian ini dilaksanakan di *Teaching and Research Farm* Fakultas Pertanian Universitas Jambi, Mendalo Indah, Kecamatan Jambi Luar Kota, Kabupaten Muaro Jambi, Provinsi Jambi. Waktu pelaksanaan penelitian ini yaitu selama 4 bulan dimulai pada tanggal 04 Agustus 2023 - 27 November 2023. Penelitian ini dilakukan menggunakan RAL (Rancangan Acak Lengkap) dengan satu faktor yaitu pemberian ekoenzim plus yang terdiri dari 6 taraf perlakuan perlakuan yaitu: p0 = Tanpa pemberian ekoenzim plus + 100% pupuk anorganik, p1 = 5% ekoenzim plus + 50% pupuk anorganik, p2 = 10% ekoenzim plus + 50% pupuk anorganik, p3 = 15% ekoenzim plus + 50% pupuk anorganik, p4 = 20% ekoenzim plus + 50% pupuk anorganik dan p5 = 25% ekoenzim plus + 50% pupuk anorganik. Variabel yang diamati pada penelitian ini meliputi pertambahan tinggi bibit, pertambahan diameter batang, luas daun total, bobot kering tajuk, bobot kering akar, dan rasio tajuk akar. Hasil penelitian ini menunjukkan bahwa pemberian ekoenzim plus berpengaruh nyata terhadap pertambahan tinggi bibit dan bobot kering akar bibit kopi Liberika. Pemberian ekoenzim plus dengan konsentrasi 5% + 50% pupuk anorganik menghasilkan bibit kopi Liberika Tungkal Komposit yang terbaik.

Kata kunci : *Kopi Liberika Tungkal Komposit, Ekoenzim Plus.*

ABSTRACT

This research aimed to examine the effect of giving ecoenzyme plus on the growth of Liberika Tungkal Composite Coffee seedlings in polybags. This research was carried out at the Teaching and Research Farm, Faculty of Agriculture, Jambi University, Mendalo Indah, Jambi Luar Kota District, Muaro Jambi Regency, Jambi Province. The time for carrying out this research was 4 months starting from 04 August 2023 - 27 November 2023. This research was carried out using RAL (Completely Randomized Design) with one factor, namely the administration of ecoenzymes plus which consists of 6 levels of treatment, namely: p0 = without administration of ecoenzymes plus + 100% inorganic fertilizer, p1 = 5% ecoenzyme plus + 50% inorganic fertilizer, p2 = 10% ecoenzyme plus + 50% inorganic fertilizer, p3 = 15% ecoenzyme plus + 50% inorganic fertilizer, p4 = 20% ecoenzyme plus + 50% inorganic fertilizer and p5 = 25% ecoenzyme plus + 50% inorganic fertilizer. The variables observed in this study included the increase in seed height, increase in stem diameter, total leaf area, shoot dry weight, root dry weight, and root shoot ratio. The results of this research showed that the administration of ecoenzyme plus had a significant effect on the increase in seed height and root dry weight of Liberika coffee seedlings. Providing ecoenzyme plus with a concentration of 5% + 50% inorganic fertilizer produced the best Liberika Tungkal Composite coffee seeds.

Keywords: *Composite Tungkal Liberica Coffee, Ekoenzyme Plus*