

PENGARUH KOMBINASI ABU JANJANG KELAPA SAWIT DAN MIKORIZA TERHADAP PERTUMBUHAN DAN HASIL TANAMAN KEDELAI (*Glycine max* (L.) Merrill) PADA TANAH BEKAS TAMBANG BATU BARA

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ABSTRAK

Penelitian ini bertujuan Mengetahui pengaruh kombinasi POFA dan mikoriza pada pertumbuhan dan hasil tanaman kedelai pada tanah bekas tambang batu bara dan mendapatkan dosis kombinasi POFA dan mikoriza terbaik terhadap pertumbuhan dan hasil tanaman kedelai pada tanah bekas tambang batu bara. Penelitian dilaksanakan di Teaching and Research Farm Fakultas Pertanian Universitas Jambi, Mendalo Indah, Kecamatan Jambi Luar Kota, Kabupaten Muaro Jambi, Provinsi Jambi. Penelitian dilaksanakan mulai Bulan Maret sampai Mei 2021 Penelitian ini menggunakan Rancangan Acak Kelompok (RAK) dengan satu faktor, yaitu pemberian POFA ditambah dengan Mikoriza yang terdiri dari 6 kombinasi dan perlakuan 4 ulangan. p1 = 27 g POFA + 20 g mikoriza / Polibag, p2 = 27 g POFA + 40 g mikoriza / Polibag, p3 = 54 g POFA + 20 g mikoriza / Polibag, p4 = 54 g POFA + 40 g mikoriza / Polibag, p5 = 81 g POFA + 20 g mikoriza / Polibag, p6 = 81 g POFA + 40 g mikoriza / Polibag. Hasil penelitian menunjukkan bahwa pemberian 81 g POFA + 40 g mikoriza / Polibag adalah dosis terbaik dalam beberapa variabel pengamatan

Kata kunci: Kombinasi, Abu janjang dan Mikoriza, Tanah Tambang, Kedelai.

THE EFFECT OF COMBINATION OF OIL PALM ASH AND MYCORRHIZAE ON THE GROWTH AND RESULTS OF SOYBEAN PLANTS (*Glycine max*(L.) Merril) ON SOIL A former COAL MINING

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ABSTRACT

This study aims to determine the effect of a combination of POFA and mycorrhiza on the growth and yield of soybean plants in ex-coal mining soil and to obtain the best dosage of POFA and mycorrhizal combination on the growth and yield of soybean plants in ex-coal mining soil. The research was conducted at the Teaching and Research Farm, Faculty of Agriculture, Jambi University, Mendalo Indah, Jambi Outer City District, Muaro Jambi Regency, Jambi Province. The research was conducted from March to May 2021. This study used a Randomized Block Design (RBD) with one factor, namely POFA plus Mycorrhiza which consisted of 6 combinations and 4 treatments of replication. p1 = 27 g POFA + 20 g mycorrhizal / polybag, p2 = 27 g POFA + 40 g mycorrhizal / polybag, p3 = 54 g POFA + 20 g mycorrhizal / polybag, p4 = 54 g POFA + 40 g mycorrhizal / polybag, p5 = 81 g POFA + 20 g mycorrhizal / polybag, p6 = 81 g POFA + 40 g mycorrhizal / polybag. The results showed that giving 81 g POFA + 40 g mycorrhiza / polybag was the best dose in several observational variables

Keywords: Combination, long ash and mycorrhiza, mine soil, soybean.

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