

**PENGARUH BERBAGAI MEDIA PERSEMAIAN TERHADAP
PERTUMBUHAN BIBIT ANDALAS (*Morus macroura* Miq.)**

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Abstrak

Media persemaian yang cocok sangat menentukan pertumbuhan bibit andalas (*Morus macroura* Miq.). Percobaan ini membahas tentang pengaruh berbagai media persemaian terhadap pertumbuhan bibit andalas. Percobaan telah dilaksanakan di Nagari Batu Taba, Kecamatan Ampek Angkek, Kabupaten Agam, Sumatera Barat dengan ketinggian ± 945 mdpl pada bulan Mei sampai September 2020. Tujuannya adalah untuk mengetahui pengaruh dari berbagai media persemaian dan mendapatkan media persemaian terbaik untuk pertumbuhan bibit. Metode percobaan menggunakan Rancangan Acak Lengkap (RAL) dengan 3 ulangan dan 4 taraf perlakuan yaitu : pasir + kompos serasah andalas, pasir + kompos jerami padi ditambah kotoran sapi, pasir + kompos jerami padi ditambah kotoran ayam, pasir + kompos sabut kelapa. Data hasil pengamatan dianalisis secara statistik dengan uji F pada taraf nyata 5%. Jika F hitung perlakuan lebih besar dari F tabel, maka dianalisis dengan uji lanjut DMRT pada taraf nyata 5%. Hasil penelitian menunjukkan bahwa persentase perkecambahan, tinggi bibit, jumlah daun, diameter batang, persentase bibit siap sapih, bobot basah, bobot kering, dan rasio tajuk akar memiliki hasil yang berbeda nyata. Media pasir + kompos sabut kelapa (1:1) merupakan media persemaian terbaik untuk pertumbuhan bibit tanaman andalas.

Kata kunci : *Andalas, Kompos, Media, Persemaian dan Sabut kelapa*



THE EFFECT OF VARIOUS NURSERY MEDIA ON THE GROWTH OF ANDALAS (*Morus macrouca* Miq.) SEEDLINGS

Abstract

The suitable nursery media greatly determines the seedling growth of andalas (*Morus macrouca* Miq.). This experiment discusses the effect of various nursery media on the seeding growth of Andalus. Experiments have been carried out in Nagari Batu Taba, Ampek Angkek District, Agam Regency, West Sumatra with an altitude of ± 945 m asl from May to September 2020. This research was conducted to determine the effect of various nursery media on the growth of Andalus seedlings and to get the best nursery media for their growth. The experimental method used a completely randomized design (CRD) with 3 replications and 4 levels of treatment, namely: sand + andalus litter compost, sand + rice straw compost plus cow dung, sand + rice straw compost plus chicken manure, sand + coconut husk compost. Observation data were analyzed statistically with the F test at the 5% level.%. If the F test results were significantly different, then continue using the Duncan's New Multiple Range Test (DNMRT) test at a probability level of 5%. The results showed that the percentage of germination, high seedlings, the number of leaves, diameter stems, the percentage of seeds that were ready to be wet, the Weights of the wet, dry weight, and the root canal ratio had a significantly different result. Sand medium + coconut coir compost (1:1) was the best nursery medium for the growth of Andalus plant seedlings.

Keywords : *Andalas, Compost, Media, Nursery and Coconut coir*

