

## INTISARI

### **PENGARUH SERBUK ARANG DAN SERBUK KAYU SEBAGAI MEDIA SIMPAN TERHADAP VIABILITAS BENIH KAKAO (*Theobroma cacao* L.)**

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Penelitian ini bertujuan untuk menentukan jenis dan takaran media simpan yang optimal untuk mempertahankan viabilitas benih kakao (*Theobroma cacao* L.) selama penyimpanan. Penelitian ini dilaksanakan di Laboratorium Teknologi Benih, Jurusan Budidaya Pertanian, Fakultas Pertanian, Universitas Gadjah Mada, Yogyakarta pada bulan Juli - September 2014. Penelitian disusun dalam Rancangan Acak lengkap faktor tunggal dengan perlakuan yang digunakan adalah kontrol, perbandingan benih dengan serbuk arang 1:2, perbandingan benih dengan serbuk arang 1:1, perbandingan benih dengan serbuk arang 3:2, perbandingan benih dengan serbuk kayu 1:2, perbandingan benih dengan serbuk kayu 1:1, dan perbandingan benih dengan serbuk kayu 3:2. Pengamatan yang dilakukan yaitu kadar air benih, DHL, pengujian viabilitas benih. Hasil penelitian menunjukkan bahwa penyimpanan benih pada perbandingan benih kakao dengan serbuk arang 1:2 dapat mempertahankan viabilitas benih kakao hingga 3 minggu.

Kata kunci : *Theobroma cacao*, viabilitas, penyimpanan, media simpan

**ABSTRACT**

***THE INFLUENCE OF CHARCOAL POWDER AND SAWSDUST AS SAVE MEDIA ON VIABILITY OF COCOA SEED (Theobroma cacao L.)***

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*This research was aimed to determine the type and dose of optimal storage media to maintain seed viability of cocoa (Theobroma cacao L.) during storage. This research was conducted in the Laboratory of Seed Technology, Department of Agriculture, Faculty of Agriculture, University of Gadjah Mada on July-September 2014. The research was arranged in the Completely Randomize Design (CRD) with a single factor. The treatment used were seeds with charcoal powder ratio of 1: 2 , the ratio of seed with charcoal powder 1:1, , the ratio of seed with charcoal powder 3: 2, the ratio of seed with sawdust 1: 2, the ratio of seed with sawdust 1: 1, and the ratio of seed with sawdust 3: 2, and control. Parameters observed were Electrical Conductivity (EC), moisture content, and seed viability. The results of this research showed that seed storage on a comparison of cocoa seeds with charcoal powder 1: 2 could maintain the cocoa seed viability up to 3 weeks.*

*Keywords: Theobroma cacao, viability, storage, storage media*