

**INFLUENCE OF DURATION OF STORAGE USING PADI SOIL
CHEMICAL MEDIA ON THE EFFECTIVENESS OF HACCO
(*Theobroma cacao* L.) CLONES ICCRI 06 H AND ICCRI 08 H**

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ABSTRACT

Cocoa seed storage with storage media in the form of husk charcoal is carried out to maintain its moisture content in order to produce maximum germination when the seeds are received by consumers so that they can grow well. This research was conducted in Jember State Polytechnic at September-October 2022 using a randomised factorial design consisting of two factors. The first factor is the length of cocoa seed storage consisting of 0 days or control (L0), 4 days (L1), 8 days (L2), 12 days (L3). The second factor is the type of cocoa clone used consisting of ICCRI 06 H (K1) and ICCRI 08 H (K2). The results showed that the L0 storage period produced the highest water content and germination, while the L1 storage period decreased the water content resulting in low germination as well as the L2 and L3 storage periods. With the longer storage time, cocoa seeds lose their water content which results in low germination. While the different types of cocoa clones used in the study did not show any interaction.

Key words: Recalcitrant seed storage, rice husk charcoal, seed moisture content, germination capacity