Vigor of Cocoa Seeds (*Theobroma cacao L.*) Clone ICCRI 08H against Different Storage Media and Storage Duration

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ABSTRACT

Cocoa is one of the plantation commodities in Indonesia that has an important role in the national economy as a foreign exchange earner. Cocoa seeds are recalcitrant seeds which cannot be stored for a long time. This research was conducted in December 2023 - January 2024 at the Seed Technology Lab, Jember State Polytechnic. The experimental design used is Factorial Randomized Group Design (RAK) consisting of 2 factors with 4 replications. The first factor is the difference in storage media, namely M1: Sawdust and M2: Rice husk charcoal. The second factor is Storage Duration, namely P1: 5 days storage, P2: 10 days storage, and P3: 15 days storage. The parameters observed were moisture content before storage, moisture content after storage, number of moldy seeds, germinated seeds on storage, germination, number of normal sprouts, and sprout length. The results showed that different storage media had a very significant effect on germination and sprout length, and had no significant effect on moisture content before storage, moisture content after storage, moldy seeds, germinated seeds on storage, and normal sprouts. Length of storage had a very significant effect on germination and sprout length.

Keyword: Cocoa vigor, Recalcitrant, Different Storage Media