

The Effect of Storage Time and Dormancy Breaking On Viability Of Rice seed Inpari 43 Varieties. (*Oryza sativa* L.) (*The Effect of Storage Time and Dormancy Breaking On Viability Of Rice seed Inpari 43 Varieties. (*Oryza sativa* L.)*)

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ABSTRACT

The Effect of Storage Time and Dormancy Breaking On Viability Of Rice seed Inpari 43 Varieties. (*Oryza sativa* L.) *This research was conducted in August to October 2018 at testing laboratory of UPT PSBTPH Sembulung street, Cluring Village, Banyuwangi Regency, East Java. It was applied Randomize Complete Design (RCD) with 2 factors and 3 replications. The first factor was storage time with 5 levels , there were 1 week (M1), 2 weeks (M2), 3 weeks (M3), 4 weeks (M4) and 5 weeks (M5). The second factors was direct sow (P0), soaked in fresh water for 24 hours (P1), soaked in fresh water 48 hours (P2) and oven 50°C for 120 hours (P3). The parameters were dormancy intensity, Viability, dormancy persistence. The analysis used DMRT 5%.The result of this research shows that dormancy breaking treatment on Inpari 43 rice seed varieties is significant on dormancy intensity, viability, and dormancy persistence, with dormancy intensity up to 87%. The effective dormancy breaking treatment on Inpari 43 rice seed varieties is by oven 50°C for 120 hours (5H). The dormancy persistence on Inpari 43 rice seed variety is on 4th week with viability up to 85,33% with no treatment.*

Keyword : dormancy breaking, Inpari 43 varieties, rice seed