

ABSTRACT

Bahiyah, Khoridatul. 2012. **Effect of Seed Position on the Cob and Storage Temperature on Seed Corna (*Zea mays* L.) Viability in variety Age Storage**. Skripsi, biology Department, Faculty of Science and Technology of the State Islamic University (UIN) Of Maulana Malik Ibrahim Malang.. Cunsellor I: Suyono, M. P. Counsellor II: Dr. H. Munirul Abidin , M.Ag

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Decrease in seed viability during storage is a common phenomenon that occurs in any type of seeds within a certain time. Decrease in viability did not occur simultaneously in one package saved seed, but gradually within a certain period of saving. This research aims to examine the effect of seed position on the cob and storage temperature on Seed Corna (*Zea mays* L.) Viability in variety Age Storage.

Design of the research use Rancangan Acak Lengkap (RAL) 3 (three) factors with three treatment. The first factor is seeds position on the tip, middle and base of the corn cob. The second factor is storage temperature with room temperature, 3 °C and 0 °C. The third factor is save life of seed is 0 months of storage, 4 months of storage, and 8 months of storage. Data analyzed with analysis of variance technique (ANOVA) three lines and if there is a difference between treatments then analysis with Least Significant Difference test (LSD) with a significance level of 5%.

The analysis shows that there is an influence seeds position on the cob, temperature and age storage on seeds viability of corn (*Zea mays* L.). Treatment of seed position on the viability of the seed corn cobs indicate that the center has the highest average viability. Storage temperature of seed treatment on seed viability of corn showed that storage at 0 °C has an average value of the highest viability. Treatment of seed storage time on the viability of corn seeds showed that seed stored 0 months had the highest average compared seed viability. As for the interaction between seed position on the cob, storage temperature and shelf life affect the viability of the seed corn seed that shows the variable seed germination simultaneity. Seed corn cob by the end of storage at room temperature for 8 months had the lowest viability.