Pengaruh Suhu Ruang Penyimpanan dan Periode Simpan Terhadap Laju Deteriorasi Benih Kangkung (*Ipomea reptans Poir*), *The Effect of Different Temperature and Storage on Deterioration of Kale Seed (Ipomea reptans Poir).* ***Advisor: Ir. Mochamat Bintoro, MP, and Ir. Suwardi, MP.***

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ABSTRACT

One of the efforts that can be used to provide high quality of Kale seed (Ipomea reptans Poir) is how to kept storage in the right way. This research was carried out on Mei-November 2016 in PT. East West Seed of Indonesia, Basuki Rahmat Street SMPN 8 No. 19 Muktisari Road, Kaliwates District, and MR Wahid Street No. 89 Worowongso, Jember Region. This research was used Complate Randomize Design (CRD) factorial with 2 factors and 3 replication. The first factor was Temperature Storage (low temperature and fluctuating temperature). The second factor was a period of stored (0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24 weeks). The results showed the interaction between room temperature and storage has highly significant to moisture content , seed germination , germation rate, simultanely growth , seedling dry weight. Moisture contain of kale seed stored at fluctuating temperature for 10 weeks was 13,2%. Seed germination of kale seed stored at low temperature and 14 weeks was 72,89%. Germination rate of kale seed stored at low temperature and 14 weeks was 17,94/etmal. Simultanely growth of kale seed stored at 18 weeks was 61,44%. Seedling dry weight of kale seed stored at 24 weeks was 0,089 grams.

The key words: Deterioration, Different Temperature, Storage