

**THE EXPERIMENT TO SOME HYBRID CORN GENOTYPES WITH  
COMPARISON VARIETIES OF BISI-18 CORN**

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**ABSTRACT**

Corn (*Zea mays* L.) is the important food commodity after the rice as the first food commodity in Indonesia. The hybrid corn potentially has the best crop and yielding ages. This research aims to determine the genotypes of corns which are superior compared to control factor. The research was conducted in December 2017 until March 2018 in Experimental Farm of UPN “Veteran” Yogyakarta. This research uses the method of complete randomized group design by one factor, 17 treatments, and one control factor. Every treatment repeated three times. In this reasearch, the researcher used 17 genotypes of hybrid corn, they are: G2KPW-01, G2KPW-02, G2KPW-03, G2KPW-04, G2KPW-05, G2KPW-06, G2KPW-07, G2KPW-08, G2KPW-09, G2KPW-10, G2KPW-11, G2KPW-12, G2KPW-13, G2KPW-14, G2KPW-15, G2KPW-16 G2KPW-17, and BISI-18 Hybrid Corn Variety. The observation data is analyzed by using variance of 5%. The real effect was examined further by using LSI test in variance of 5%. The genotypes which have yielding physiological ripe ages compared to BISI-18 corn variety are the genotypes of G2KPW-02, G2KPW-03, G2KPW-04, G2KPW-05, G2KPW-06, G2KPW-07, G2KPW-08, G2KPW-09, G2KPW-10, G2KPW-11, G2KPW-12, G2KPW-13, G2KPW-14, G2KPW-16. The genotypes which have superiority in stem of an corn ear diameter compared to BISI-18 corn are the genotypes of G2KPW-02, G2KPW-04, G2KPW-06, G2KPW-08, G2KPW-11, G2KPW-12, G2KPW-14, G2KPW-16, G2KPW-17.

Keywords: Corns, Genotype, Hybrid