Pengaruh Umur Panen Dan Lama Curing Buah Terhadap Kualitas Benih Labu Madu (*Cucurbita Moschata* CL.) **Hibrida Sistem Hidroponik.** *Effects of Harvesting Age and Curing Period on Seed Butternut Squash Quality (Cucurbita moschata* CL.*) in Hydroponic Hybrid Systems***.** *Supervised by*: Ir. Moh. Bintoro MP.

Afrisal Nopal
Seed Production Technique Study Program
Agriculture Department

Program Studi Teknik Produksi Benih
Jurusan Produksi Pertanian

ABSTRACT

The need for seed butternut squash is higher due to the increased demand of these fruits. However, the evailability of the seed is limited and as the consequence, the company needs to increase the seed quantity production. This study was conducted in September 2018 to January 2019 at Greenhouse of PT. Benih Citra Asia, Kranjingan Village, Sumbersari, Jember, East Java. Randomized Block Design with 2 factors and 2 replication was used in this study. The first factor is Harvesting age (U) which consists of 3 levels, they are (U_1) harvesting age of 85 DAP/ days after planting, (U_2) harvesting age of 90 DAP/ days after panting, and (U_3) harvesting age of 95 DAP/ days after planting. The second factor is Curing period which consists of 3 levels, namely (L_1) 10 days, (L_2) 15 days, and (L_3) 20 days. The data analyzed using an F test (ANOVA) follwed by LSD (Least Significance Difference) with 5% error level. The result showed that the treatment of harvesting age of 85 DAP (U_1) had a significant effect to the number of seed (120 seeds), the number of full seed (107 seeds) and the weight of full seed (7,01 grams). The treatment of Curing period did not have a significant effect to all parameters except the number of empty seeds. The interaction harvesting age of 85 DAP and the curing period of 10 days (U_1L_1) showed a significant effect to the number of empty seed (18 seeds).

Key words: *Butternut squash, harverting age, curing period, seed quality*