**Pengaruh Metode Pengusangan Cepat Dan Macam Varietas Terhadap Vigor Dan Pertumbuhan Beberapa Varietas Benih Kedelai (*Glycine max.* (L))** (*The effect of Accelerated Aging Method and Kinds of Varieties to Vigor and The Growth of Several Soybean Seed Varieties (Glycine max.* (*L*))

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***ABSTRACT***

*Soybean is a vegetable protein resource that the demand and the need are increasing every year. To fulfill the demand, the availability of quality seeds and good varieties are needed. This research aims to know the effect of accelerated aging method and kind of varieties to vigor and growing soybean. The research was conducted at Balai Penelitian Aneka Kacang dan Umbi, in September 2019-December 2019. This research used Factorial Randomized Block Designed (RBD). The first factor was 2 stages varieties V1 (big seed variety) and V2 (small seed variety), the second factor was the period of aging time in 4 stages S1 (0 hour), S2 (24 hours), S3 (48 hours), and S4 (72 hours), there were 8 treatment combinations repeated 3 times per treatment so that there were 24 experimental units. The data was tested used F test (ANOVA) and further test used by DMRT stage 5 %. The result of the research is the variety treatment interaction and aging time gave highly significant effect to the parameter of moisture content (MC) with average 28,9%, the germination parameter (GP) 97%, the parameter of growing speed (AG) with average 93,3%, the parameter of vigor index (IV) with average 23,61% and the parameter of seed weight with average 16,80 gram. And significant effect to the parameter height of plant 14 days after plant with average 9,98 cm.*

***Keywords****: soybean, variety, aging time*