

Aplikasi Mulsa dan Pemangkasan Terhadap Hasil dan Mutu Benih Semangka (*Citrullus lanatus*) Varietas Inul Kuning, Application of Mulch and Pruning on Yield and Seed Quality of Watermelon (*Citrullus lanatus*) Inul Kuning Variety Supervised by Ir. Suwardi, MP (*Advisory*), Feri Firmansyah S Tr. P. and Sugik (*Field Companion*)

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ABSTRACT

*Watermelon (*Citrullus lanatus*) is one of the horticultural commodities of the Cucurbitaceae (pumpkin) family which has high economic value. This study aims to determine the best recommendations for plants by planting clear plastic mulch and silver black mulch and to determine the quality of watermelon fruit. It will be held in January – April 2021 at PT Sampoerna Jaya Agro which is located in Curah Rejo Hamlet in Sukamakmur Village, Ajung District, Jember Regency, East Java. This study used a factorial randomized block design consisting of 2 factors, namely clear plastic mulch (M_1) and silver black plastic mulch (M_2). The second factor was Pruning of Fruits on the Branches (P_1) and Pruning of Fruits on the Trunks (P_2). Based on the results and discussion on the Mulch (M) treatment, there was a very significant effect on the weight of the fruit seeds by giving the best results on silver black plastic mulch of 8.86 grams, for the number of pithy seeds with the best results of 345,42 grains and significantly different in seed weight. fruit with the best yield of 8.09 grams and significantly very different in the 1000 seed test with the best result 49.50 grams while the germination weight test with the best result yielded 93.08 %. The pruning treatment (P) gave no significant effect on the plants this was because only one fruit was maintained so that not all plants managed to retain their fruit during the rainy season. Then there was no interaction between mulch and pruning from plant length, fruit diameter, fruit weight, number of fruit planted, number of seeds per fruit, number of pithy seeds per fruit, weight of pithy seeds per fruit, germination test.*

Keywords: Watermelon, Mulching and Pruning, Yield and Seed Quality