Efektivitas Re-cycle Polinasi Melalui Teknik Pemangkasan dan Dosis Pupuk NPK Terhadap Produksi dan Mutu Benih Terung (*Solanum melongena* L.)
(Effectivity Re-cycle Polination By Prunning Technique and Doses NPK Fertilizer on The Production and Quality of Eggplant Seeds (Solanum melongena L.*). **Advisor: Dwi Rahmawati and Suharjono.***

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ABSTRACT

One effort to increase production and quality eggplant seed (Solanum melongena L.) with Re-cycle polination technology. This research have aims to know production and quality eggplant with applied Re-cycle pollination technology from pruning technique and doses NPK fertilizer. This research held start from March until December 2016 in Jatiagung village, Gumuk Mas, District Jember. Research design use a Randomized Block Design (RBD) Factorial with 2 factor. First factor is pruning technique consist of leaving 2 segment on branch Y (T_1) and pruning leaving 3 segment on branch Y (T_2). Second factor is doses NPK fertilizer consist of 120 gr/plant (P_1), 170 gr/plant (P_2), 220 gr/plant (P_3). Observation parameter its observed is total buds, age flowering on 80%, age harvested on 80%, total fruit, total seed, total seed contain, total seed hollow, production each hectare, germination capacity, germination quality, and seed germination speed. Result from this research showed its pruning technique only give a significant effect to total buds. Pruning with leaving 3 segment on branch Y (T_2) resulted 11,83 buds. The treatments of doses NPK fertilizer give a significant effect (*) to parameter total fruit, weight of 1000 seeds, and seed production each hectare and give a very significant effect (**) to parameter total buds, age flowering 80%, age harvested 80%, total hollow seed each fruit, and germination capacity. Doses on NPK fertilizer 170 gr/plant (P_2) has a higher resulted is 2,7148 kw/ha. To togetherness two treatment is giving not a significant effect to all parameter observation.

***Keyword** : Re-cycle Polination, Pruning Technique, Doses of NPK Fertilizer*