

**Pengaruh Waktu Pemangkasan Tunas Apikal dan Aplikasi Pupuk AB Mix
Terhadap Hasil dan Mutu Benih Kacang Panjang (*Vigna unguiculata*)**
*(Effect of Time Apical Shooting and Application of AB Mix Fertilizer on The Quality
and Production Result of Long Bean Seed (*Vigna unguiculata*))*
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ABSTRACT

One of the efforts to independently increase the yield and quality of long bean seed production is by modifying plant cultivation techniques. This study aims to determine the effect of apical shoot pruning time and AB Mix application on the yield and quality of long bean seeds. This study was conducted in June - September 2024, located in the Krajan Hamlet, Mayang Village, Mayang District, Jember Regency with an altitude of 200 meters above sea level and the Jember State Polytechnic Seed Production Technology Laboratory. This study used a factorial Randomized Block Design (RBD) with 2 factors and 3 replications. The treatment of apical shoot pruning time had a significant effect on the parameters of pod length ($T1 = 76.91$ cm), seed weight per plant ($T1 = 132.63$ grams), weight of 1000 grains ($T2 = 160.33$ grams); had a very significant effect on the parameter of seed yield per ha ($T1 = 1,708.14$ kg); and had no effect on other parameters. The treatment of apical shoot pruning time significantly affected the parameters of the number of pods ($P3 = 64.87$ cm), the number of seeds per pod ($P3 = 19.44$ seeds), the weight of seeds per pod ($P3 = 2.97$ grams); had a very significant effect on the parameters of seed weight per plant ($P3 = 133.88$ grams), seed yield per ha ($P3 = 1,444.42$ kg); and had no effect on other parameters. The interaction between the time of apical shoot pruning and the application of AB Mix fertilizer significantly affected the parameters of pod length ($TIP3 = 80.09$ cm), seed weight per pod ($TIP3 = 3.14$ grams), seed weight per plant ($TIP3 = 161.9$ grams); had a very significant effect on the parameters of seed yield per ha ($TIP3 = 2,059.88$ kg); and had no effect on other parameters.

Keywords: *Vigna unguiculata*, Seed, Pruning Time, AB Mix, Concentration