

Efektivitas Paclobutrazol Dan Pupuk Phospor Untuk Meningkatkan Produksi Benih Kacang Tanah (*Arachis hypogaeae* L.) Varietas Takar Dua, (Paclobutrazol Effectiveness And Phospor Fertilizer To Increase Seed Production (*Arachis hypogaeae* L.) Varieties Takar Dua)

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ABSTRACT

The availability of food crops, especially peanuts, is continuously strived to meet the increasing needs of the community. This research was conducted to improve the yield and quality of peanut seeds through paclobutrazol application and SP36 fertilization. This study used Randomized Block Design (RAK) consisting of 2 factors and 3 replications. Paclobutrazol as the first factor consists of 4 levels and SP36 as the second factor consists of 3 levels. The results showed that treatment with paclobutrazol application had an effect on increasing yield and quality of peanut seed. The best paclobutrazol application to increase the yield without using paclobutrazol and on dosage of SP36 125 kg / ha is the highest yield of 1.05 ton / ha of pithy seed. The best dose of SP36 to improve seed quality is 125 kg / ha with 98.78% for germination and 98,78% for seed germination rate. The interaction between paclobutrazol application and SP36 fertilizer dose is only in the parameters of plant height and number of flowers.

Keywords: Peanut Crops; Seed Quality; SP36; Paclobutrazol