

**Aplikasi *Paclobutrazol* dan Waktu Pemangkasan Pucuk Terhadap Hasil dan Mutu Benih Paria (*Momordica charantia* L.). (*Paclobutrazol Application and Pruning Time on Yield and Seed Quality of Paria (Momordica charantia* L.).**

Supervisor : Ir. Suwardi, MP

Tutik Alawiyah

Study Program Seed Production Engineering  
Agricultural Production Department

**ABSTRACT**

Paria (*Momordica charantia* L.) is a horticultural commodity from the cucurbitaceae family which has a characteristic bitter taste. Indonesian people use the pariah as a vegetable and traditional medicine. This research was carried out on the land of PT WIRANUSA Kediri. The experimental design in this study used a factorial randomized block design consisting of 2 factors. The first factor was the application of paclobutrazol which consisted of 3 levels, namely the concentration of 0.5 ml/l water (P1), 1 ml/l water (P2) and 1.5 ml/l water (P3). The second factor was shoot pruning time which consisted of 3 levels, namely the age of 14 DAP (W1), 21 DAP (W2), and 28 DAP (W3). Data analysis using the f test formula (ANNOVA) and further testing using Duncan Multiple Range Test (DMRT) with an error level of 5%. The results showed that the P2 treatment gave a very significant effect on the emergence of the first flower (HST) with the fastest yield of 20.67 (HST) and the P1 treatment (0.5 ml/l water) gave a very significant effect on the harvest age parameter (HST) with the results fastest 52.78 hst. The treatment of shoot pruning time (W1) gave a very significant effect on the parameters of harvest age with 55.13 days, the parameter of plant weight with the highest treatment was W3 with a yield of 1.846.75 gr, the parameter of fruit weight per plot was the highest with W3 treatment, namely 18.467 ,5 gr, dry seed weight with W1 treatment the highest average of 17.95gr, pithy seed yield per hectare with the highest average of 0.71 (tons/ha) in W1 treatment and the weight parameter of 1000 seeds with W1 treatment gave the highest average of 14 ,67gr. There was no interaction between the application of paclobutrazol and the time of shoot pruning on all observation parameters.

Keywords : Paria, *paclobutrazol* application, and pruning time