

Respon Konsentrasi dan Waktu Pemberian *Paclobutrazol* Terhadap Pertumbuhan, Produksi dan Mutu Benih Kacang Tanah (*Arachis hypogea* L.) *Responses Of Concentration And Time Application Of Paclobutrazol On Growth, Production And Seed Quality Of Peanuts (*Arachis hypogea* L.)* .
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ABSTRACT

This study aimed to learn responses of concentration and time application of paclobutrazol on growth, production and seed quality of peanut. This research was conducted at in the farm of State Polytechnic of Jember on August – December 2015. The research was used Randomized Block Design (RDB) two treatment factors with 3 replicates. The first factor is paclobutrazol concentration with 3 level which are 100 ppm (P1), 150 ppm (P2), and 200 ppm (P3). The second factor is time application of paclobutrazol with 3 level which are 14 HST (T1), 21 HST (T2) and 28 HST (T3) (day after planting). Based on research the results of analysis of variance showed concentration treatment with 150 ppm (P2) showed a significant influence on number of flower and flowering time. Time application of paclobutrazol on 14 HST give significant effect to plant height of 30 HST, 50 HST, number of flower and give significant influence to number of productive branch of 30 HST. interaction concentration treatment with 150 ppm (P2) and time application on 14 HST (T1) give significant influence to flowering time.

Keywords: *concentration paclobutrazol, time application paclobutrazol, growth, production, seed quality.*