

Efektivitas Konsentrasi dan Frekuensi Aplikasi Etephon Terhadap Produksi dan Mutu Benih Mentimun (*Cucumis sativus* L.). Effectiveness of The Concentration and Frequency of Etephon Application On Production and Quality of Cucumber Seeds (*Cucumis sativus* L.). Advisor: Ir. Suwardi, MP. and Dr. Ir. Nantil Bambang Eko S, MSi

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ABSTRACT

Cucumber in Indonesia is popular and likely vegetable for all of society. Cucumber productivity (ton/ha) in Indonesia from 2009 to 2013 . This was due to less intensive and efficiency in cucumber culture one of the alternative that could be done was application etephon. The aim of this research was to know the effects of concentration and frequency of etephon application on production and quality of cucumber seeds. The design used was Randomised Block Design with 2 factors, etephon concentration (0, 100, 150 dan 200 ppm) and the frequency of application (1x, 2x and 3x times). Data were analyzed by the Anova and tested with the DMRT test with error rate of 5%. The results of the interaction showed a very significant effect total of male flowers and the total of seeded seeds planted. Significantly effect the parameters of plant height, total of female flowers and total of fruit prepared. No significant effect on the parameters of the weight of 1000 seeds (gram), germination power (DB), growth speed (Kct), simultaneity of growth (Kst).

Key words : cucumber, concentration, frequency, Etephon.