Growth and Development of Poinsettia (*Euphorbia pulcherrima* Will.) Var. Freedom Red on Different Concentration of Cycocel Application

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ABSTRACT

The objective of this research is to analyzed the growth and development of poinsettia (*Euphorbia pulcherrima* var. 'Freedom Red') under different rates of cycocel. This research was conducted at Saung Mirwan Nursery, Bogor, West Java from December 2005 to April 2006. The experiment used single factors cycocel concentration (1000, 1500, 2000, 2500 ppm) that was applied on plants by spraying methods. The experiment was arranged in complete randomized block design. The results of this research showed that the concentration of cycocel affected the plant growth especially for plant size (height, leaves, length of internode, diameter of stem and bractea). The optimal treatment of cycocel was 1000 ppm with 11 times of application that can result the proporsional size of pot plant poinsettia.