Vegetative Growth Response of Celery Plant (*Apium graveolens* l.) to the Application of Organic Fertilizer A

Rut Normasari

Faculty of Agriculture, Universitas Klabat, Manado, Indonesia; rutnormasari@unklab.ac.id

Abstract: Celery plant is used as a food supplement or as a medicine. The high demand in the form of fresh celery by the Indonesian people as not met by supply, besides celery plant is additive in food ingredients also used in small amounts but vital. The aim of this study was to find out the response of vegetative growth of celery plant to the application of organic fertilizer A. This study was used a Randomized Block Design with five treatment levels: K_0 (without treatment of organic fertilizer A as control), K_1 (2 ml of organic fertilizer A / 1iter water), K_2 (4 ml of organic fertilizer A / 1iter water), K_3 (6 ml of organic fertilizer A / liter water), and K_4 (8 ml of organic fertilizer A / liter of water) with four replications each treatment. The results of this study indicated that the dose of organic fertilizer A was affected the height of plants and fresh weight, but not different on the leaves number of celery plant. It is concluded that the best dose of organic fertilizer A for vegetative growth of celery was K_1.

Keywords: Vegetative growth response, celery, organic fertilizer