

Neoykham Khamminathy 2012: Effects of Organic Growing Media and Bioextract on Growth of Tomato (*Lycopersicon esculentum* Mill.) Seedling, Master of Science (Horticulture), Major Field: Horticulture, Department of Horticulture. Thesis Advisor: Miss Pichitra Kaewsorn, Ph.D. 117 pages.

The effects of organic growing media and bioextracts on growth of 'Sida' tomato seedling were studied during July 2010 to June 2011. The results showed that growing media of coconut coir : compost (3:1) and /or application of chemical fertilizer 20-20-20 gave the highest of stem height, stem diameter, number of leaf, leaf greenness, shoot dry weight and root dry weight. The tomato seedling grown in coconut coir : compost (3:1) and applied of chemical fertilizer 20-20-20 gave the highest of stem height, followed by vermicast bioextract. Moreover, spraying of salicylic acid at 400 ppm at 21 and 35 days after sowing gave the highest of stem height, number of leaf, leaf greenness, shoot dry weight and root dry weight.

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Student's signature

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Thesis Advisor's signature