

***THE EFFECTIVENESS OF SOME ORGANIC NUTRITION SOURCE AS
COMMERCIAL ANORGANIC NUTRITION SUBSTITUTION IN PAKCOY
(Brassica rapa chinensis L.) HYDROPONIC NFT (Nutrient Film Technique)
SYSTEM***

Desi Lusina, Mulyono, Hariyono

Program Studi Agroteknologi, Fakultas Pertanian Universitas Muhammadiyah
Yogyakarta

ABSTRACT

The aim of the research is to evaluate the effectiveness of some organic nutrition source as substitution in hydroponic nutrition NFT (Nutrient Film Technique) system. Pakcoy was used as cultivar to determine the best organic nutrition as hydroponic nutrition.

The research was set in single factor and arranged with completely randomized design (CRD). Commercial anorganic nutrition, vermicompost extract, algae extract and goat manure compost extract was tested in this research.

The result showed the uneffectiveness of organic nutrition compared with the commercial anorganic nutrition in plant height, number of leaves, leaf area, fresh weight of crown and dry weight of crown. The conclusion of the research is that the goat manure extract showed the best result of organic by plant height 18,7 cm, length of root 29,91 cm, crown root ratio 5,43.

Keywords : *vermicompost, algae extract compost, goat manure compost*