

**PENGARUH KONSENTRASI LARUTAN NUTRISI AB MIX TERHADAP
PERTUMBUHAN DAN HASIL PAKCOY HIDROPONIK**

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Intisari

Pak coy adalah sayuran yang dapat dibudidayakan dengan sistem hidroponik. Studi ini bertujuan untuk mengetahui pengaruh konsentrasi larutan AB Mix terhadap pertumbuhan dan hasil Pak coy hidroponik. Penelitian ini dilaksanakan pada November-Desember 2019 di greenhouse dan laboratorium agronomi Program Studi Agroteknologi, Fakultas Agroindustri, Universitas Mercu Buana Yogyakarta. Percobaan faktor tunggal ini disusun dalam rancangan acak lengkap dengan tiga taraf perlakuan. Konsentrasi yaitu 1000 ppm, 1200ppm, dan 1500 ppm yang semuanya diulang sebanyak tiga kali. Variabel yang diukur adalah penambahan tinggi tanaman, jumlah daun, bobot segar, dan bobot kering. Hasil menunjukkan bahwa tidak ada perbedaan nyata pada pertumbuhan dan hasil tanaman pak coy pada tiga konsentrasi larutan AB Mix dalam sistem hidroponik model *Deep Flow Technique*.

Kata kunci : Pak coy, hidroponik, konsentrasi AB Mix, *Deep Flow Technique*

THE EFFECT OF AB MIX SOLUTION CONCENTRATION ON GROWTH AND YIELD OF HYDROPONIC PAKCOY

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Abstarct

Pak coy is a vegetable crop that can be cultivated with a hydroponic system. This study aims to determine the effect of AB Mix solution concentration on the growth and yield of Pak coy in hydroponics. This research was conducted on November-December 2019 in the greenhouse and agronomy laboratory of the Agrotechnology Study Program, Faculty of Agro-Industry, Mercu Buana University, Yogyakarta. This experiment was a single factor experiment which was arranged in a completely randomized design with three levels of concentrations. The AB Mix concentrations used were 1000 ppm, 1200 ppm, and 1500 ppm. All of treatment were repeated three times. The observed were addition of plant height, number of leaves, fresh weight, and dry weight. The results showed that there were no significant differences of Pak coy's growth and yield between the three kinds of concentration of AB Mix in Deep Flow Technique Hydroponic.

Keyword : Pak coy, hydroponics, concentration of AB Mix, system Deep Flow Technique