ABSTRACT

Pakcoy is one of the widely cultivated plants. Fertilizer is essential for plants to sufficent their nutrient needs. This study aims to determine the effect of AB Mix concentration and different types of planting media on the growth and yield of pakcoy plants with a hydroponic wick system. The research method used a completely randomized factorial design with three replications. The first factor was AB Mix with 3 concentrations of 800 ppm, 1.000 ppm, and 1.200 ppm. The second factor was planting media with 3 different types of rockwool, cocopeat, and husk charcoal. The results of the analysis of variance showed that AB Mix nutrient factor singly influences in the N3 treatment (1.200 ppm) had a very significant effect on the leaf chlorophyll content variable and had a significant effect on the number of leaves, leaf area, and dry weight of plants. The use of different types of planting media singly influences in the M1 (Rockwool) treatment had a significant effect on the stem diameter variable. There was no interaction between AB Mix nutrient and different types of planting media on all variables.

Keywords: Cultivation, Nutrient concentration, Rockwool, Cocopeat, Husk charcoal