HYDROPONICS NFT PAKCOY (*Brassica rapa* L.) OF VARIOUS PLANTING MEDIA AND SEED AGE

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ABSTRACT

Pakcoy (*Brassica rapa* L.) is a vegetable that has high economic value but the productivity of mustard greens at the farmer level is still low so it still needs to be improved. One effort to increase pakcoy production is hydroponic cultivation. This study aims to determine the age of the seeds and the right planting medium so that they have the best effect on the growth of NFT hydroponic pakcoy. The research method is a field experiment that is arranged using a Split Plot experimental design. The main plot is the planting medium, namely Sponge, Rockwool, *Peatmoss*. The sub plot are the age of the seedlings, namely 0 HSS, 5 HSS, 10 HSS. The research data were analyzed using Analysis of Variance (ANOVA) and further tested with the Duncan Multiple Range Test (DMRT) at a test level of 5%. There is an interaction between the treatment of growing media and the age of the seedlings on the economic fresh weight parameter. The treatment of *peatmoss* growing media gave the best results on the parameters of plant height, number of leaves, leaf area, economic fresh weight, shoot dry weight, and root crown ratio. Treatment of seedling age 10 HSS gave the best results on the parameters of plant height, number of leaves, leaf area, root length, root volume, root fresh weight, economic fresh weight, root dry weight, shoot dry weight, and root crown ratio.

Keyword : *Pakcoy, Hydroponic NFT, Planting Media, Seed Age*.