

**GROWTH RESPONSE OF TWO VARIETIES OF Lettuce  
(*Lactuca sativa* L.) TO VARIOUS PLANTING MEDIA ON NFT  
HYDROPONIC SYSTEMS**

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**ABSTRACT**

Lettuce (*Lactuca sativa* L.) is one of the horticultural commodities that has good prospects and commercial value. Increased production of lettuce in Indonesia can be pursued intensively through a hydroponic cultivation system. This study aims to determine lettuce varieties and planting media that can provide the best growth and yield in NFT hydroponics. The research method was Split Plot Design. The main plot was green lettuce varieties var. Junction Rz and red lettuce var. Concorde Rz and sub plots were rockwool, sponge, hydroton, and cocopeat. The research data were analyzed by Analysis of Variance (ANOVA) and further tested with the Least Significant Difference (LSD) at the 5% test level. The results showed that there was an interaction between the treatment of varieties and planting media on the parameters of plant height (3 MST and 5 MST), number of leaves 5 MST, root volume, economic weight and fresh weight. The treatment of green lettuce varieties had higher plants than the treatment of red lettuce varieties in all parameters. The use of rockwool planting media gets good results in plant height (1 MST, 2 MST, 4 MST and 5 MST), number of leaves (1 MST, 2 MST, 3 MST, 4 MST, and 5 MST), root length, root volume, economic weight and dry weight.

**Keywords:** Lettuce, Variety, Growing media, NFT Hydroponics