

**SEEDLINGS LEAVES CUTTING AND ORGANIC FERTILIZER
APPLICATION TO GROWTH AND YIELD OF SPRING ONION
(*Allium fistulosum* L)**

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ABSTRACT

Intensification to increase spring onion production in Indonesia can be done by seedlings leaves cutting and organic fertilizer application. The purpose of this study was to determine whether there was an interaction between seedlings leaves cutting and organic fertilizer application, to determine the most appropriate cutting size of the tip of the seedlings and determine the most appropriate organic fertilizers for growth and yield of spring onions. The research was conducted in Doplang, Bawen, Semarang Regency and was carried out from April to June 2022. The experiment was arranged in a Complete Randomized Block Design consisting of 2 factors plus control and each treatment combination was repeated 3 times. The first factor is cutting the tip of the seedlings, there are 3 levels, namely 1/4 part, 1/2 part and 2/3 part. The second factor was giving Organic Fertilizer, there were 3 kinds of fertilizer, namely cow manure, chicken manure and vermicompost. Data were analyzed using analysis of variance with 5% level, to determine the difference between treatments with the 5% *Duncan Multiple Range Test* (DMRT) level. The results showed that there was an interaction between seedlings leaves cutting and organic fertilizer application on the number of leaves. The most appropriate seedlings leaves cutting was 1/2 part while the most suitable organic fertilizer was a chicken manure.

Keywords: Spring Onions, Seedlings Tuber Cutting, Organic Fertilizer