

# EFFECT OF PLANT MEDIA ON GROWTH OF TOMATO CHERRY PLANT YIELD (*Lycopersicum esculentum* M.) ON DEEP METHODFLOW TECHNIQUE

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## ABSTRACT

*Cherry Tomato is a fruit vegetable that includes a seasonal plant. Planting cherry tomatoes can be grown using a hydroponic system. There are several planting media that can be used for hydroponics, the benefits of this planting medium is to place the absorption of nutrients and growing media for plants. The purpose of this research is to know the best planting medium, on growth and yield of tomato plants on Deep Flow Technique (DFT) method. This research has been conducted from April 2017 to July 2017 in Pekanbaru City. This study used Randomized Block Design (RBD) with five treatments and eight replications. The treatment consists of Rockwool, Cocopeat, Perlite, Hydroton and Hydrogel plant medium. The parameters observed were plant height, stem diameter, number of leaves, harvest age, fruit weight, number of fruit crops, fruit weight, long root length, wet weight of plant, dry weight of plant, fruit diameter and fruit length. The results showed that the use of Cocopeat planting media gave the highest yield on the growth and yield of cherry tomato plants.*

*Keywords: Deep Flow Technique (DFT), Plant Media, Cherry Tomato*

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