

**GROWTH AND YIELD OF RED CHILI LADO F1(*Capsicum annuum* L.)
IN VARIOUS PLANTING MEDIUM AND INTERVALS OF NUTRITION
WITH DRIP IRRIGATION SYSTEM**

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ABSTRACT

Efforts to increase the yield of red chilies by hydroponic system. This research was aimed to determine the composition of planting medium and interval application of AB Mix nutrient in order to have the best effect on the growth and yield of red chilies. This research use field experiment as the method and split plot design with 2 factors, repeated as much as 3 times. Planting medium as main plot consists of arang sekam + sand (1:1), sand + cocopeat (4:1), arang sekam + cocopeat (4:1). Interval of nutrition as sub plot consists of 5 times, 6 times and 7 times. Data were analyzed by analysis of variance continued with DMRT test at 5% level. The research results show that there is an interaction between planting medium with interval of nutrition on stem diameter, leaf area, and dry weight parameters. The planting medium arang sekam + sand and arang sekam + cocopeat showed better effect on leaf area 6 week after transplant. Interval of nutrition 6 times showed a better effect on plant height and leaf area. Interval of nutrition 7 times showed a better effect on number of fruit produce and weight of fruit

Keyword: Red Chilli, AB Mix, Planting Medium, Interval of nutrition