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Effect of Length Main Stem Pruning Variation on Physiology Character Three Genotype Chilli Pepper (*Capsicum Frutescens* L.) Commercial

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Abstract:The objective of this research is to analyze effect of length main stem pruning variation on physiology character three genotype commercial chillipepper (*Capsicum frutescens* L.). Result of this research show that in qualitatively auxin and cytokinin was found to node samples where measurement indicated that both of these hormones correlated on lateral bud growth. In quantitatively, auxin was high in control and its opposite cytokinin was high in plant where pruning application, indicated that pruning of main stem can be change of auxin-cytokinin ratio to innisiat of lateral bud growth. Morphology character was observed, show that there are effect of main stem pruning to the number of nodes, number of branch, present of branch, but cannot effect to length of branch. Although nodes can be decline because of pruning, but these result can be consederation exact time of pruning..

Key word: main stem pruning, chilli pepper (*Capsicum frutescens* L.), apical dominance.

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