**RESPONSE OF THE GROWTH AND YIELD OF KYURI CUCUMBER *(Cucumis sativus* L.) TO PLANT SPACING AND PLANT PRUNING**

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## *ABSTRACT*

Kyuri cucumber is a horticultural plant that is favored by the people of Indonesia. The aim this study was to determine the best spacing and main stem pruning. The research used the factorial field experiment method arranged in a Completely Randomized Block Design with two factors. The first factor is the spacing spesifically 30 cm x 60 cm, 40 cm x 60 cm, and 50 cm x 60 cm. The second factor is pruning spesifically without pruning, pruning leaving 10 segments, 12 segments, and 14 segments. Each treatment combination was repeated three times. The data obtained from the observations were analyzed using Sidik Ragam and followed by the 5% level DMRT. The results showed that there was an interaction between plant spacing and pruning treatments on the stem diameter of kyuri cucumbers aged of 3 MST and flowering age. Planting spacing treatment of 40 cm x 60 cm gave the best results in fruit diameter per plant, fruit weight per plant, fruit weight per harvest plot, and fruit weight per experimental unit. Pruning treatments leaving 10 segments, 12 segments, and 14 segments provide better results than without pruning in the number of fruit per plant, fruit diameter per plant, fruit weight per plant, fruit weight per harvest plot, fruit weight per experimental unit, and harvest index.

Keywoards : kyuri cucumber, spacing, pruning