

Growth of papaya cv. Callina seedlings on four types of planting media supplemented with different doses of AB-MIX nutrient solution

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Abstract	The growth of papaya cv. Callina seedlings on four media (soil+compost (1:1); soil+compost+husk charcoal (1:1:1); soil+compost+coco peat (1:1:1); or soil+compost+Albasia sawdust (1:1:1)) supplemented with four doses of AB-MIX nutrient solution (0 ml; 15 ml; 30 ml; or 45 ml AB-MIX every three days per plant) was studied. The seeds were planted in the media in polybags and placed in a screen house of Faculty of Agriculture, the Jenderal Soedirman University from February 2018 until April 2018. The treatments with 3 replications were arranged in a Randomized Complete Block Design. Results showed that plant height, number of leaves, stem diameter, and leaf area were affected by the interaction between planting media and doses of AB-MIX solution. Overall the growth of seedlings on soil + compost supplemented with 45 ml of AB-MIX nutrient solution every three days per plant was the best; the growth of seedlings on soil+compost+Albasia sawdust was the worst; application of AB-MIX solution on soil+compost+Albasia sawdust did not improve the height and diameter of seedlings, but the application of 30 ml and 45 ml AB-MIX nutrient solution on soil+compost+Albasia sawdust increased the leaf number and leaf area of papaya seedlings.
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