

BANANA TISSUE CULTURE AT BLOOMS AVENUE
BRGY. TAYWANAKILAYA, ALFONSO, CAVITE

FARM PRACTICE

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ABSTRACT

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A farm practice on banana tissue culture was undertaken in Blooms Avenue in Brgy. Taywanak Ilaya, Alfonso, Cavite from August 22 to December 10, 2005. The activity aimed to develop the trainee and acquire knowledge and practical skills in tissue culture of banana.

The trainee was given the opportunity to apply the knowledge she gained in the classroom into actual tissue culture management. The experience enhanced her skills in tissue culture of banana since she was exposed to actual management wherein she learned appropriate techniques in sterilizing planting materials to avoid contamination of the tissue cultured banana. The trainee also learned the appropriate method of maintaining banana tissue culture.

During the training, the student performed the following activities such as cleaning of culture bottles; growth media preparation; corm digging and treatment of planting materials; establishing the initial culture; multiplying the shoots/buds; and removal of the infected banana tissue culture.

The trainee encountered transportation problem because the farm is quite far from the town and people going to the area are very few so the student had to hire a tricycle for a special trip which cost a lot.

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**BANANA TISSUE CULTURE AT BLOOMS AVENUE
BARANGAY TAYWANAK ILAYA,
ALFONSO, CAVITE ¹**

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INTRODUCTION

The banana shoot-tip culture is a rapid clonal micropropagation technique that produces disease-free plantlets at optimum cost. One banana sucker can produce a maximum of 1,500 plantlets or meristems in eight months. It is a reliable means of mass-producing planting materials for commercial banana farms.

Compared with suckers or corm seed pieces, tissue-cultured plantlets have a higher survival rate in the field establishment, more uniform growth and fruiting, earlier flowering and relatively higher production.