

Pelatihan Teknik Dasar Kultur In Vitro Anggrek

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ABSTRACT

The purpose of the public service about "Training of Basic Technique on In Vitro Culture" is to increase the understanding of trainee (member of Indonesian orchid association namely Perhimpunan Anggrek Indonesia/PAI) about the basic principles of orchid in vitro culture techniques and to train/improve the skills of trainee in conducting in vitro culture techniques. The method used in this activity is course, practice, and observation of practice results. These activities are carried out in Plant Tissue Culture Laboratory, Department of Biology Education, FMIPA, UNY. The training was successfully implemented with the fulfillment of the target participants (100% of 20 participants). The participants' understanding of the basic principles on in vitro culture techniques increased from 40% (before training) to 90% (after training). The success level in producing in vitro culture medium is 50%, orchid's seeds sowing is 65% (35% contaminated), and the overplanting is 45% (55% contaminated). The contamination level in seed regeneration (after seed sowing) did not change until 2 months after sowing (mas), while the overplanting contamination level increase to 65%.

Kata Kunci: in vitro culture, orchid's seeds, overplanting, Perhimpunan Anggrek Indonesia (PAI)