

Workshop Kultur Jaringan Tumbuhan untuk Meningkatkan Pengetahuan dan Keterampilan Dasar Teknik Kultur Jaringan Guru MGMMP IPA SMP Kabupaten Sleman

by Nur Aeni Ariyanti*, Suyitno Aloysius, Lili Sugiyarto, Eka Mustika Sari, Dede Nur Hidayah, Dhiya Khairunnisa Islami Hana, Fadilah Ismiati, Haris Ristomo, Mohammad Fadhil Arif

ABSTRACT

This community service activity (PkM) aimed to enhanced knowledge and fundamental skill techniques on tissue culture as a source for creating learning material. The participants of this activity were 22 teachers member of MGMMP (Musyawarah Guru Muhammadiyah Mata Pelajaran) of Junior High School Science Teachers in the Sleman Regency. This activity was conducted as a workshop comprising several stages, including presenting primary material about tissue culture, introducing tools and materials as well as the sterilization process, preparing tissue culture media, and planting explants. To determine whether this activity had achieved the intended objectives, pre-tests and post-tests were conducted. Based on the analysis of pre-tests and post-tests, the results indicate an average score of 41.27% before the activity, which improved to 98.82% after the activity, showing an average increase of 57.52% across all conducted activities. This demonstrates a significant enhancement in participants' knowledge and skill of tissue culture, confirming the achievement of the objectives of this activity.

Kata Kunci: Skill, MGMMP of Junior High School Science Teachers, Knowledge, Technical skill on tissue culture, Workshop