

WORKSHOP ON DOMESTIC WASTE PROCESSING WITH BIOREMEDIATION TECHNIQUES

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ABSTRACT

This community service activity aims to: (1) provide knowledge and skill in handling domestic waste by simple bioremediation techniques; (2) identify and practice the processing of various wastes that can be processed by simple bioremediation techniques to solve the environmental problem caused by the domestic wastes; and (3) to identify and practice the kinds of bioremediation that can be applied in the community of Padukuhan Krasakan, Jogotirto Village, Berbah Subdistrict, Sleman Regency, to solve the environmental problem caused by the domestic wastes. This activity was carried out by explaining about what bioremediation and its benefits, its mechanism, types of domestic wastes can be processed by simple bioremediation techniques, and what type of bioremediation is most appropriate in Padukuhan Krasakan, Jogotirto Village, Berbah Subdistrict, Sleman District. Then followed by demonstration and practice by workshop participants that consisting of representatives of housewives, the youth of Karang Taruna, and farmer community in Padukuhan Krasakan, Jogotirto Village, Berbah Subdistrict, Sleman Regency. The conclusion of this community service activity is that after the training, the trainees can; (1) have knowledge and skill in handling domestic waste with simple bioremediation techniques; (2) identify and practice the processing of various wastes that can be processed by simple bioremediation techniques to solve the environmental problems caused by the domestic wastes; and (3) identify and practice some types of bioremediation, ie waste water of laundry activity with phytoremediation, kitchen waste with utilizing the services of golden snails and poultry, as well as processing organic waste from kitchen and litter from the houseyard with composter and EM4 bacteria consortium.

Kata Kunci: *workshop, bioremediation, domestic waste*