

BUILDING DESIGN AND MANUFACTURE OF SIMPLE BIOETANOL COMFORT FOR GROUP OF MOTHERS IN SUB LPMD COMMUNITY MADUREJO VILLAGE, PRAMBANAN CONDITION, DISTRICT SLEMAN SPECIAL REGION OF YOGYAKARTA

by Jarwo Pupito, Arif Marwanto

ABSTRACT

Coaching the quality of human resources, especially youth, is very important. Many indications that Indonesia's human quality is still low, the indicator is the human human index Indonesia is still low. One effort to improve the quality of human resources is through training and short courses. The objectives of this activity are: (1) giving short knowledge to the Dasawiswa Mother Group of Sub-LPMD Mutihan Village Madurejo Village, Prambanan Sub-district, Sleman District of Yogyakarta Special Region on the utilization of soft drink cans; (2) a short practice of making bioethanol stoves from used soft drink cans.

Methods of activity are lectures, demonstrations and direct practice. Brief lecture by Jarwo Puspito related to bioethanol and renewable energy, while demonstration and practice of making simple stoves fueled by bioethanol by Jarwo Puspito and Arif Marwanto. The training was attended by 38 participants.

The results of the activities of the participants are able to create a simple bioethanol stove made from raw soft drink cans with simple equipment. Furthermore the stove is tested its performance by means of cooking for instant noodles. Stoves made by participants are able to light up within 20 minutes and able to cook instant noodles within 10 minutes ready to eat

Kata Kunci: Stove, Bioethanol, Energy Saving