

UGM Introduces Digester Technology to Banjarnegara Residents

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Agricultural Engineering and Biosystem Department of Agricultural Technology UGM has introduced biodigester technology to the residents of Laksana village in Karangobar district, Banjarnegara, Central Java.

The project conducted in December 2018 was a community service project under grants in Education for Sustainable Development (EfSD) from UGM Centre for Disaster Studies. The team consisted of Dr. Ngadisih and Dr. Joko Nugroho as well as Dr. Hatma Suryatmojo and M. Chrisna Satriagasa, M.Sc from Faculty of Forestry,

The team explained to the residents the operations and maintenance of the digester to support the sustainability of the project.

Ngadisih said they had installed one biogas unit in Laksana village. The fibre digester has the volume capacity of 4 m³. They chose fibre to minimise the damage potential due to slope movement or landslide because the location of the village is landslide prone.



“The installation of the biogas serves as a model and is used for one household that has 3 cows,” she said.

The biodigester technology is applied to generate methane gas that is used by the residents as source of energy for cooking in household scale. The use of biodigester will also create better sanitation and reduce waste.

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