

Biogas dari Kotoran Sapi dengan Limbah Cair Pabrik Tahu Sebagai Bahan Bakar Alternatif (*Biogas from Cow Manure with the Addition of Liquid Waste from Tofu Factory as Alternative Fuel*)

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ABSTRACT

Biogas is gas from the final product of digestion / degradation anaerobic (in the environment without oxygen) by are bacterium menthanogen. One of waste that can be used as raw materials making biogas are waste of an effort a cow consisting of feces , urine , gas and the rest of the food cattle. In addition raw materials biogas that can be used is liquid waste factory know .In this study, cow dung mixe with the waste liquid tofu factory from the comparison 1: 1.5 and 1: 2 .The goal is to know the influence of liquid waste tofu factory to biogas volume are generated and rate biogas the production every day. The results of the study was obtained the existence of the influence of the addition of the liquid waste know that at the production of biogas , proved the production of biogas produced by the addition of the liquid waste is greater than with the addition of water which reached mls 7820 from the comparison 1: 2 with biogas production rate 152 mls of 3 per day for 37 other days . The rate of largest produced on composition 1: 1.5 between you have cow manure with liquid waste tofu factory which reached 157 mls .

Keywords: Biogas, Cow manure, Liquid Waste Tofu