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## Biogas Production from Manure of the Fish Farming

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### Abstract

This paper evaluated the potential of biogas production from anaerobic digestion of manure of the fish farming, species Tilapia Gift (*Oreochromis niloticus*). This study is part of a pilot project conducted in order to evaluate feasibility to biogas production from manure of the fish farming in zone of Grande Dourados-MS, conducted by Federal University of Grande Dourados (UFGD). For construction of the biodigester and gasometer model used in this work was two plastic gallon with capacity of 50 liters and white PVC pipe. The results of this study indicate a potential of 917 cm<sup>3</sup> / day per 50 gallons of the gross material with retention time 10 days. Thus, it is possible to use manure from fish farming to produce biogas.

**Keywords:** *Biogas. Pisciculture. Tilapia Gift (Oreochromis niloticus).*

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