

**Abstract:**

A biogas plant is modern energy source and is suitable to the necessities of the future. With the appropriate application of the digestion technology, the development of economically feasible biogas digesters systems is not beyond the capability of Trinidad and Tobago's small poultry farms. The central purpose of the study is to outline if any, the conditions under which biogas digesters would be feasible for small poultry farmers in the Caribbean country of Trinidad and Tobago. The production of biogas by anaerobic digestion of organic waste is a mature expertise that may present tangible benefits to poultry producers. Biogas technology can alleviate many grave problems in the developing countries, such as rural energy scarcity, low agriculture yield, and poor public health. In addition through the utilization of biogas technology toxic farm waste can be properly handled through anaerobic digestion; generation of natural fertilizers and ultimately lead to an increase in output and income. From analysis it will become apparent that farmers using digesters systems have greater earnings or benefits than those farmers who do not resulting in the preservation and increase viability of the poultry industry in Trinidad and Tobago.