

## ABSTRACT

This project to explain the requirements of created the green technology invention in agriculture field with the objectives of environmental protection, cost saving, environmentally friendly and use of residues as a whole, particularly involving agriculture and animal husbandry in an integrated combination of technology and system.

The implementation of technology towards businesses helps the entrepreneurs to generate new kind of high quality product that can give high income to the entrepreneurs. We are about to introduce the new concept of technology that can be applied by Agriculture and Agribusiness. This new technology can be use to help farmers in order to increase their farming products quality.

The author improved and combine concepts of steam locomotive and kinetic to electrical energy in order to create new concept named System Tabua which fully used the benefit of Ammonia Gas for generates electricity, organic fertilizer and filtered water that use in farming.



## CONTACT

Razman Hafifi Haji Redzuan  
 Faculty of Entrepreneurship &  
 Business (UMK)  
 Email: razmanh@umk.edu.my  
 Phone: 013-7404848

## WHAT IS TABUA?

- Tabua system is a system which is involving the husbandry project. This is because, we are discussed that the droppings or waste by the animals is having a lot of benefit for others. The animal's dropping or excrement will produce a gas which is called ammonia's gas. Based on the scientific research, the ammonia's gas can be used as cooking's gas and also to create a hot place for animals during the cool season.
- We are decided that the ammonia gas will be produce to make a hot place to animals during the cool season. Actually, for the farmers who are doing the husbandry, they always want to get the best quality for their meat to be sold. So, it means that they can use our product to keep the quality of their animal.
- Tabua system is named by our group based on it means "tak buang" in Malay Language. It means that all of dropping or excrement by cow will be used to produce something useful for the cow besides help the farmer get the best quality of meat and can also clean the cow pens.

## OBJECTIVES

- Create an eco-friendly environment, where all animal waste and crop residues recycled or reused as feed and fertilizer plants or we called as recycling.
- Saves the cost of production where heat, water and fertilizers use resulting from the operating cycle.
- Ensure the safety of users where the materials are used for the production of organic material that is free from chemicals substance that harm to human health.
- Generates electricity for rural area that unable to enjoy electrical facility because less of electrical substation provide for them.
- To upgrade and combine the whole concepts of Steam Locomotive and Kinetic to Electrical energy becomes more effective and advance.

## DESIGN / CONCEPT

