

Power management × Food loss



W201905 Shizuoka Prefectural Mishimakita Senior High School







Food loss



More food to be served than you can eat (in Hanoi)

If eaten up, the food was not enough, as a sign.

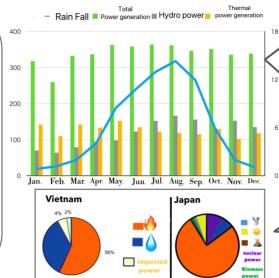


'Mishima Croquette"
a specialty of Mishima
A large amount of

fry waste Model experiment

Verification of the possibility of generating electricity assuming the generation of methane gas.

Electricity

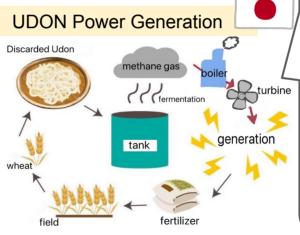


【In cold months】
Rainfall

Hydropower generation

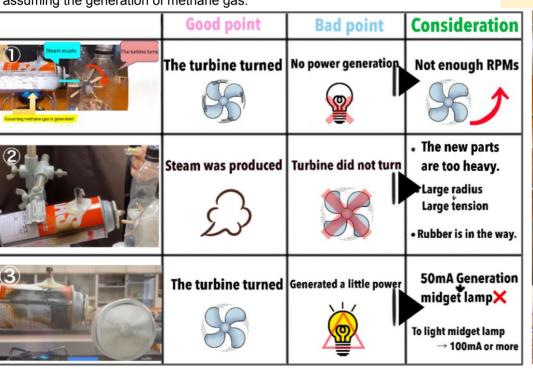
Total power generation

Heavily relying on hydropower



Merits No greenhouse gas emissions Does not change with weather Food loss can be utilized. Demerits Many process stages Requires dedicated equipment Takes a lot of time

Modification of turbine



a plastic bottle lid and an ice stick.

A larger radius helps the RPM go up.

Lighter

Connect directly to a motor.

A turbine made of

Higher rotational efficiency.

Entrapping vapor inside with a cover.

Reference

https://news.yahoo.co.jp/byline/iderumi/20180803-00091687 https://www.psinvestment.co.jp/small_talk/renewable-energy/ JETRO

EVN

https://galapagonia.net