

BIOGAS FROM THE PALM OIL WASTE

Prepared by: Teh Tian Chai

ABSTRACT

For my biogas plant, the palm oil mill effluent (POME) is mixed with anaerobic seed in the digester under anaerobic condition (absence of oxygen) to produce the end product, biogas. Factors affecting the biogas production are temperature, types of substrate and mixing efficiency. Biogas is then collected and stored into a gas cylinder by running a compressor. The gas pipe carries the collected biogas to the place where it is consumed by gas appliance (Bunsen burner).