

ABSTRACT

BIODEGRADATION OF OIL PALM FIBRE WASTE

A method for biodegradation of oil palm waste by vermicomposting is provided. The method comprises the steps of providing oil palm waste and pre-treating the waste to form fibrous waste material; adding effective microbes to the fibrous waste and subjecting the waste to a pre-composting phase; adding earthworms to the pre-composted waste and subjecting the mixture to a vermicomposting phase; and adding a bioadsorbance material to the vermicomposting mixture. The vermicomposting mixture is maintained in a dark, moist and warm condition.

Fig. 13A