A CASE STUDY: BIOCOMPOST PROCESSING USING EMPTY FRUIT BUNCHES (EFB) AT SEDENAK ESTATE

NUR FARAHIN BINTI MOHD FAUZI

Final Year Project Report Submitted in Partial Fulfilment of the Requirements for the Degree of Bachelor of Science (Hons.) Plantation Technology and Management in the Faculty of Plantation and Agrotechnology Universiti Teknologi MARA

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DECLARATION

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Name: NUR FARAHIN BINTI MOHD FAUZI / 940327065042 / 2013811584
I hereby declare that I have checked this project and in my opinion, this project is adequate in terms of scope and quality for the award of the degree of Bachelor of Science (Hons.) Plantation Technology and Management, Faculty of Plantation and Agrotechnology, Universiti Teknologi MARA.

Signature: ..........................................................

Name of Supervisor: DR ALAWI BIN SULAIMAN
Position: ..........................................................
Date: 20/7/2016............
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ABSTRACT

A CASE STUDY : BIOCOMPOST PROCESSING USING EFB
AT SEDENAK ESTATE, JOHOR

This case study is to know the processing of biocompost using empty fruit bunch (EFB). The case study was conducted at Sedenak Estate and the project of biocompost plant operated by Semai Alam Sdn Bhd located at Kulai, Johor. The process of biocompost is determined by knowing the time and motion study of the process of biocompost using the EFB. From that process, the data that had been collected are the production of biocompost on productivity per hour and the total cost of biocompost processing using EFB. The result on production of biocompost productivity per hour are 109.44 mt. For the total cost operation are RM 742.67 per hour. This processing biocompost are suitable to use to the plantations and the farmers that can get the higher production with reasonable cost for that company.

Keyword: Biocompost processing, Empty fruit bunch, POME, Production, Cost operation.