



اَوْنُوْرَسِيْتِي تِيْكُوْ لُوْ كِيْ مَارَا
UNIVERSITI
TEKNOLOGI
MARA

**FACULTY OF PLANTATION AND
AGROTECHNOLOGY
DIPLOMA IN PLANTING INDUSTRY MANAGEMENT**

**INDUSTRIAL TRAINING REPORT
TANGKULAP ESTATE (IOI GROUP)**

**MOHD SUHAIDI BIN AKMADIS
(2011202802)**

NOVEMBER 2013 – APRIL 2014

ACKNOWLEDGEMENT

AGENCY BACKGROUND

First of all syukur Alhamdulillah to Allah because give me strength to finish my industrial training without any problem and i would like to express my deepest appreciation to all those who provided me the possibility to complete this report. A special gratitude i give to my assistant manager, Mr. Kumar A/L Ganesen and Mr. Alvinus Lajim, whose contribution in stimulating suggestions and encouragement, helped me to coordinate my industrial training especially in writing this report. In addition special thanks to beloved parents for their support and enthusiasm for the industrial training complete with successfully and they also sacrificed a lot financially in preparing my report.

Furthermore I would also like to acknowledge with much appreciation the crucial role of the staff of Tangkulap Estate, who gave the permission to use all required equipment and the necessary materials to complete the task. Last but not least, many thanks to my friend, whose have invested his full effort in guiding me to complete my final report in achieving the goal. I have to appreciate the guidance given by lecturer such as coordinator faculty Dr. Hendry Joseph, sir Hazmi Awang Damit, sir Hafezan sisa and sir hamjah ruslias well as the panels especially in our report presentation that has improved our presentation skills thanks to their comment and advices

INTRODUCTION

AGENCY BACKGROUND

Tangkulap Estate is part of Palmco Plantation(s) Sdn Bhd, which is a subsidiary of IOI Group. It is located 142 km away from Sandakan town, in the kota Kinabatangan district. Tangkulap Estate was established by Tung Hup Enterprises Sdn Bhd. In 1989 in which the forest was converted into a palm oil plantation. IOI Corporation purchased the property in 1997. Tangkulap Estate covers a total area 2277.45 Ha. the housing facility and the amenities are situated in the estate itself. There are no villages surrounding the estate. The estate is surrounded by partly forest reserve and plantation namely Sri Ranau Estate, Agroco Estate and two other IOI estates which are Mayvin 2 and Mayvin 5.



CHIPPING OPERATION OF NEW DRAINS AND CLOSING OLD DRAINS

INTRODUCTION

The purpose of this activity is to planting a new palms on the area because the old palms are not producing a good quality of fruit and it too old.

OBSERVATION

They using excavator that set in chipping bucket



PRODUCTIVITY

One machine need two minute to complete one palm plant so that the average for ten palms is 20 minute(2 minute x 10 palms = 20 minutes)

SPECIFICATION

- 1) The proposed area shall be mechanically felled and all oil palms trunks and the frond are to be chipped, cleared and shredded using zero burning technique.
- 2) During felling, all diseased boles and roots mass should be dug out and shredded to a thickness not more than 2 to 3 inches.
- 3) Palms are to complete uprooted with all the compact root mass dug to minimum depth of 60 cm (feet).
- 4) Palms trunks are be shredded to a thickness of not more than 10cm(4 inches) length of not more than 90cm(35 inches).



CONSTRUCTION OF NEW DRAINS AND CLOSING OLD DRAINS

INTRODUCTION

The purpose of drain is to drain out water from swampy, peat and low-laying area and maintain ideal height of water table.

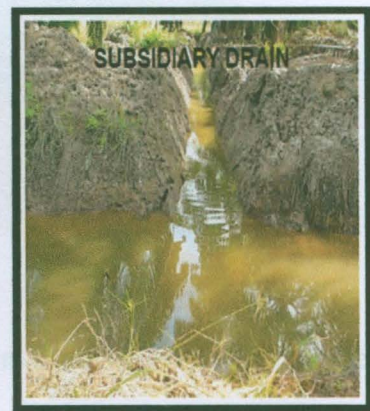
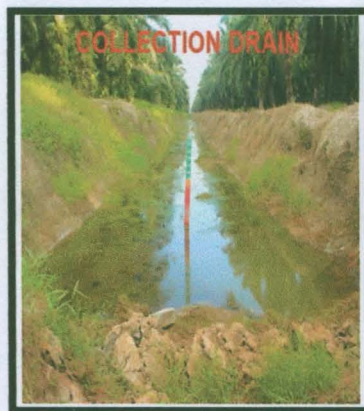
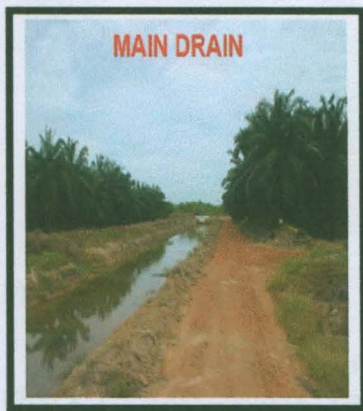
OBSERVATION

They are 3 type of drains which is: 1) main drains

2) collection drains

3) subsidiary drains

METHODOLOGY



SPECIFICATION

Type of drain	Width at Top	Width at Bottom	Height.
Main	2.5m(8')	1.2m(4')	1.8m(6')
Collection	1.8m(6')	0.9m(3')	1.2m(4')
Subsidiary	1.2m(4')	0.6m(2')	0.9m(3')

PRODUCTIVITY

5 drains per day

30 drains per week