



UNIVERSITI
TEKNOLOGI
MARA



FACULTY OF PLANTATION AND AGROTECHNOLOGY
DIPLOMA IN PLANTING INDUSTRY MANAGEMENT (DPIM)
UNIVERSITI TEKNOLOGI MARA CAWANGAN SARAWAK KAMPUS MUKAH

FPA310

INDUSTRIAL TRAINING REPORT

SEMAI MEKAR SDN BHD

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PREPARED BY : IRENE ANAK ALIN

STUDENT ID : 2017612522

IC NUMBER : 990120135942

GROUP : AT1105C

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INTRODUCTION

FPA310 is the main course of students Diploma in Planting Industry Management. FPA 310 refer to Industrial Training II. Student are required to undergo training for seven weeks in industries, research or government-related agencies. Through this course it provides opportunities for students to gain experience in related areas.

In order to completed this course, Madam Saiyiddah Raffanah binti Basri help us in order to find agencies that accepted students to practical.

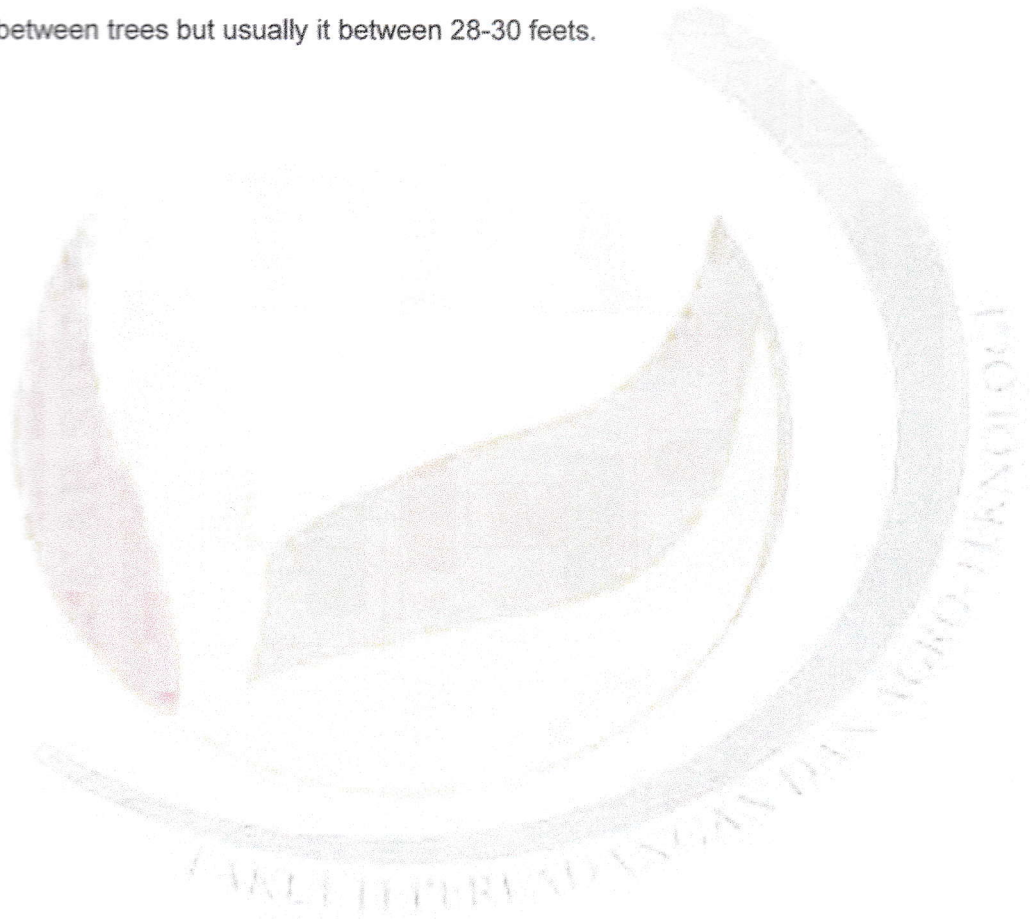
The aim of this course to increase the ethical values and improve ethical decision of professional practice in the relevant field after training. For example in management of oil palm estate. Besides that, students able to actively respond to the ideas and knowledge gain after industrial training through a presentation and in written from. Hence, industrial training can develop leadership skills and ability for team work necessary to functions as an effective leader, manager or team player through interaction with professionals in related field. This can help students enhance their communication skills.

Moreover this final report will discuss about what we had learned during seven weeks practical at Semai Mekar Sdn Bhd plantation.

BACKGROUND OF COMPANY

Semai Mekar was established in June 2008 . Formerly known as Tabung Haji Plantation but after being acquired by Tamaco Plantation, Sabah, then Tabung Haji was fully owner by Semai Mekar.

Semai Mekar consists of two plantation which were at Ladang Semilajau and Ladang Sebauh with 5432.95 hectares. Semai Mekar planted 134 tress in one hectare and 54 tress in one acre. The distance planted for each trees is 30 feet between trees but usually it between 28-30 feet.



MANURING OPERATION

Manuring operation is one of maintenance that must be done in every estate to enhance the yield of fresh fruit bunches. Common fertilizer that use in this estate are NKMIX and sodium borate.

SODIUM BORATE

Boron is the most often deficient micro nutrient in oil palm cultivation. Boron's primary role in oil palm is to act as a key component in several vital processes such as cell division, root development, cell wall formation, sugar transport, and calcium uptake.

Measurement of fertilizer per tree: 200g/tree

Distance of applying fertilizer: 3 feet far from the trees.

Price : RM3.86

1 bag can covered about 125 trees.

Functions of sodium borate:

- Preventing 'fishbone leaf' or 'hooked leaf'
- Elimination of white stripe occurrence in leaves
- Preventing seedless fruitlet
- Adequate fresh fruit bunch formation
- Enhanced root growth

Symptoms of boron deficiency:



Figure 1:

Weak and narrow leaflets with signs of hook.