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MARA



**FACULTY OF PLANTATION AND AGROTECHNOLOGY**

**DIPLOMA IN PLANTATION MANAGEMENT**

**UNIVERSITI TEKNOLOGI MARA**

**SARAWAK**

**FPA310**

**INDUSTRIAL TRAINING II REPORT ( FPA310)**

**GOLDEN AGRO PLANTATION (MUKAH) BERHAD**

**15th JULY 2019- 30th AUGUST 2019**

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## **HISTORY OF GOLDEN AGRO PLANTATION**

The plantation land owned by Golden Agro Plantation (Mukah) Berhad is held under Lot No.3, Block/Section No.2, Baoh Land District, Mukan Division, Sarawak (GPS Coordinates), and measures approximately 5,098 hectares (or 12,587 acres). The land is surrounded by several mature oil palm plantations that are owned and managed by subsidiaries of large, listed corporations including Tradewinds Plantation Berhad and WTK Group.

We had a very unique opportunity when we were first presented with the parcel of land as it was completely undeveloped at the time – thereby granting us the opportunity to design the entire estate from scratch. Under the leadership and guidance from Dato' Allan, as well as the operational experience and know-how by the management team, our estate was soon mapped out in its entirety. The plantation is designed to allow for maximum efficiency when our operations took place. For example, our field roads and planting rows are shorter than usual in order to ensure that all fruits are harvested easily. The harvesters' paths designed to be slightly wider than industry norms to allow for mechanization in the future. As the layout of the estate cannot be easily changed once development has started, it was imperative that the initial design of the plantation was done properly.

The actual clearing of the land began on August 2011. Development progress was rapid and after a period of just 3 months, not only had we established our first nursery, but also our site office that we are still using today in the Northern Triangle portion of our estate. We were ordering seeds in batches of 25,000 from certified suppliers such as the Sime Darby, IOI and KLK Groups that were being delivered weekly to our nursery. After spending 12 months in the nursery, the young palms were then planted into the field. Our commemorative first field planting took place on 8/8/2012 and was personally planted by Dato' Allan himself. By December 2013, the entire Northern region of the estate was fully planted. As of today, development and planting progress in the Southern region of the estate is still ongoing at a rapid pace.

## INTRODUCTION OF WORKING EXPERIENCE

First week of my industrial training, I was learned about the manuring Section for 1-week period. At Harvesting, I was learned the importance of Effective fertilizer, dossage of the fertillizer, and a technique or method of applying of fertillizer. Besides that, I also learn the good harvesting standards, Harvesting path, foots & Field Bridges. I also learn about the Harvesting System and Method using in GAP.

Next, I learn about Pest & Disease, Spraying, Pruning, Loose Fruit Collection, Malaysian Sustainable Palm Oil (MSPO), and store management. During Sparing, Tenaga Pekerja Indonesia (TKI) must using Personal Protected Equipment (PPE) for their safety and health.

### MY IMPORTANT TRAINING EXPERIENCE LISTED AT BELOW :

#### 1. HARVESTING SECTION

On 16th July 2019, I go to block P31A with the staff in charge and assistant manager for harvesting. The staff in charge for harvesting is Mr. Asri and assistant manager is Mr. Daylon Jalian Henry. Mr. Asri and Mr. Daylon give the exposure to me about harvesting, stacking and pruning.

#### 2. MANURING

On 18th July 2019, I was go with Mr. Justine (field supervisor) for monitored the TKI doing the manuring. The staff incharge for the Manuring Section is Mr. Justine give the exposure to me about the type of fertilizer used.

##### ➤ NK mixture

- palm trees are 2.5 kg of NK mixture.
- 1 sack of NK mixture is 50kg.
- The workers applying the fertilizer by broadcasting (manually).

Ratio: 10.5/30

### 3. Pest and disease

On 23rd July 2019, I was change the parts of the manuring Section and go to Pest & Disease section. The staff was in charge for Pest and Disease (P&D) is Mr. Faizul (Field supervisor). Mr. Faizul is a staff in charge for Pest and Disease at Division M10. Mr. Faizul give the exposure to me about the work in Pest and Disease. Oil palm is susceptible to damage by a number of pest and disease. The key is a natural eco - system should not be changed or upset.

- The most pest at Division M10 is Termite and Thirathaba mundella.

### 4. Maintenance Spray

On 9rd August 2018, I go to block K13A with estate manager for GU4 and PP3. The estate manager is Mr. Awang Ghazali which expose us about maintenance spray.

- The most important is maintenance spray is to control the growth VOPS (volunteer oil palm seedling) and control the growth of weeding around the oil palm tree canopy .