



UNIVERSITI TEKNOLOGI MARA

REPORT ON INDUSTRIAL TRAINING AT  
HAP SENG PLANTATION HOLDINGS BERHAD  
TOMANGGONG GROUP OF ESTATES  
TOMANGGONG ESTATE

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## 1.0 INTRODUCTION TO HAP SENG PLANTATION HOLDING BERHAD

Hap Seng Plantations' activities are located mainly in Lahad Datu region in Sabah and consist of Three Groups of Oil Palm estates which is Tomanggong Group Of Estates, Sungai Segama Group of Estates and Jeroco Groups of Estates. Besides that, Hap Seng Plantation also have Ladang Kawa Estate in Tawau and Pelipikan Estate in Kota Marudu.

Hap Seng Plantation operates on one contiguous block of plantation land of approximately 36 354 hectares between Lahad Datu and Sandakan region. With an addition two small plantations of 1276 hectares in Tawau and 727 hectares in Kota Marudu.

Hap Seng Plantation Holding Berhad				
Tomanggong Group Of Estate	Sungai Segama Group Of Estate	Jeroco Group Of Estates	Ladang Kawa Sdn Bhd	Kota Marudu Sdn Bhd
↓	↓	↓	↓	↓
Tomanggong	Sungai segama 1	Lutong	Muul Hill	Pelipikan
Tabin	Sungai segama 11	Batangan	Apas Claremont	
Litang	Bukit mas 1	Kapis		
Tagas	Bukit mas 11	Lokan		
North Bank		Lungmanis		

## 2.1 OIL PALM NURSERY (Pre-nursery)

The importance of good nursery practices cannot be over-emphasized. The nursery should be maintained at the highest standard to ensure production of healthy, vigorous and uniform palms for field planting. Double stage polybag nursery is generally preferred and any deviation Plantation Controller must be consulted. Some comparisons are made below: -

### Double Stage Nursery

#### Advantage

- i. Filling of small polybags can be organised much more easily and takes less time
- ii. Culling at 12-14 weeks just before transplanting into large polybags is easier.

#### Disadvantage

- i. Growth will be behind by 2 months.
- ii. Additional labour needed during transplanting. Relatively higher cost compared to the single stage nursery

### Single Stage Nursery

#### Advantage

- i. Materials will be available for field planting 2 months ahead of double stage.
- ii. Less labour requirement as transplanting is not required.

#### Disadvantage

- i. Earlier preparation is required.
- ii. Culling will leave 20-30% empty points in nursery, therefore for uniformity, earlier preparation of 30% seeds into small polybags, may be necessary.