



اُنَبِّئْ رُسُلِيْ بِاَنْ يَكُوْنُوْا لِيْ مِمَّا رَا  
UNIVERSITI  
TEKNOLOGI  
MARA

# **PRACTICAL TRAINING REPORT**

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**KABULOH AGRICULTURE RESEARCH STATION  
MIRI, SARAWAK**

**FACULTY OF PLANTATION AND AGROTECHNOLOGY**

**DIPLOMA IN PLANTATION MANAGEMENT (AT110)**

**INDUSTRIAL TRAINING (AGR360)**

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## **INTRODUCTION**

Practical training or industrial training is a mandatory course for all diploma students of Plantation Management. It is a requirement to full the course in order to complete the diploma as well as graduate from the university. The training refers to work experience that is relevant to professional development orior to graduation. For Plantation students, 3 months period is allocated for training at locations chosen by themselves. No restriction is imposed on them whether they want to work in government agencies or private organizations.

For this semester, the trainee, Nur Hasya' Syazwani Binti Hassan (2014457134), has started to working in Kabuloh Agriculture Research Station Miri, Sarawak from 5<sup>th</sup> December 2016 until 10<sup>th</sup> Mac 2017.

## **OBJECTIVE OF PRACTICAL TRAINING**

The objectives of industrial training are as follow:

- i. To fulfill the award of the diploma of Universiti Teknologi Mara (UiTM).
- ii. Apply theories learnt in classroom in working environments.
- iii. Solidifies students' confidence after graduation.
- iv. Improve both soft and hard skills.
- v. Improve communication and management skills.

## **ACKNOWLEDGEMENT**

I would like to thank our campus, Universiti Teknologi Mara Kampus Mukah 2 for giving me this opportunity to have industrial practical at Kabuloh Agriculture Research Station (Stesen Penyelidikan Pertanian Kabuloh). I am very glad had spent three months at Kabuloh Agriculture Research Station. I able to learn and gaining new experience in direct or indirect way.

Next I would like to thank Kabuloh Agriculture Research Station for letting me to have industrial practical here. Also I would like to thank OIC Hajah Rosmah Haji Jaffar for her guidance and support for all the time I had spent in three months at Kabuloh Agriculture Research Station. Thanks a lot for teaching me a lot of things that I was unaware before about agriculture in direct way or indirect way. Besides that, I would like to thank RO John Jadol for their assist and guidance during my industrial practical, without their help I would not able to finish my industrial practical well done.

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I would like to express my appreciation and thanks to my lecturer, Sir Muhamad Syukrie Bin Abu Talip for giving me advices, guidelines and information during the process of completing this report. I would also like to thank to those whose have helped me to complete this report directly or indirectly.

Sincerely, thank you once again. It is must appreciated.

## 1.1 COFFEE

Coffee scientific name is *Coffea L.* which is a genus of flowering plants whose seeds to make various coffee beverages and products. It is a member of the family Rubiaceae. In this section, there are three species of coffee that have been planted which are Robusta, Liberica and Catimor. Liberica and Robusta are more resistant to the hot and humid climate of the tropic with average temperature 18 to 28°C and can withstand up to 34°C during the dry season. These species need about 2000-3000mm of rain per year. Catimor species is the offspring of two species, which are the combination of 60% Arabica and 40% Robusta. The planting distance for the three species of coffee is 3m x 3m. At the end of this section, we are able to identify the differences between Robusta, Liberica and Catimor in various aspect such as the shape of tree, size of their leave, size of berries and the colour of berries when their matured.

### - Differences between Robusta, Liberica and Catimor

| ROBUSTA                                                                             | LIBERICA                                                                            | CATIMOR                                                                               |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
| The tree is multi stem with long flexible branches.                                 | The tree is single stem and bigger than Robusta.                                    | The tree is robust and has many branches.                                             |