UNIVERSITI TEKNOLOGI MARA

FACULTY OF PLANTATION AND AGROTECNOLOGY

DIPLOMA IN PLANTING INDUSTRY MANAGEMENT

AGR390 INDUSTRIAL TRAINING REPORT



NAME : SHAIFULBAHRI BIN JEFFRY NADZIRI

ID NO : 2013965751

PART : 6

LECTURER : MR. MUHAMMAD SYUKRIE BIN HAJI ABU TALIP

INTERNSHIP LOCATION: PALMLYN ESTATE SDN. BHD.

DATE : 06 JUNE 2016 – 09 SEPTEMBER 2016

TABLE OF CONTENT

NO.	CONTENT	PAGE
1.0	PERSONAL DETAIL TRAINING	3
2.0	ACKNOWLEDGEMENT & INTRODUCTION OF INDUSTRIAL	4-5
3.0	HISTORY & BACKGROUND OF SUBUR TIASA AND PALMLYN ESTATE ➢ PALMLYN CHART ORGANIZATION ➢ PHASE 1A ORGANIZATION	6-12
4.0	HARVESTING OPERATION	13-28
5.0	MAINTENANCE ACTICITIES ➢ MANURING ➢ CIRCLE AND PATH SPRAYING (CPS) ➢ SLASHING ➢ ROADSIDE PRUNING	29-41
6.0	PEST AND DISEASE MANAGEMENT	42-59
7.0	CONCLUSION	60-61
8.0	ADDITIONAL INFORMATION/APPENDIX PAPERWORK & ETC	62-69

2.0 ACKNOWLEDGEMENTS

In the name of Allah S.W.T. First of all, I would like to express my sense of gratitude to Allah for blessing instead of giving me strength and guidance to complete this internship programme until the end. Every success that had been achieved by me is all come from Allah and by helps of people around me. So that's why I want to give my thanks to all persons that responsible in helping me to complete this internship programme especially to the Palmlyn Sdn Bhd company for the willingness to accept us to attend our internship programme in this company.

On 06th June 2016, I have started my industrial training at Palmlyn Sdn Bhd estate at Balingian and ended on 09th September 2016. I have learned a lot of things in 3 months of industrial training of period. Anyways, I would like to give my thanks to my late father and mom, Mr Jeffry Nadziri and Mrs Umi Kalsum Abdullah for their endless moral support and also financial support.

Next, 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 supervisor from Universiti Teknologi Mara (UiTM) Sarawak so do called as my lecturer, Mr Muhammad Syukrie Bin Haji Abu Talip, whose contribution in stimulating suggestions and encouragement, helped me to coordinate my industrial training especially in writing this report.

Furthermore, special thanks to Mr. Alex Yii Toh Ngie as a Plantation Controller, Estate Manager which is Mr.Hassan Bin Onui, Mr. Eric Yew Dee Chun as an Assistant Manager, Senior Supervisor Mr. Lim Kwong Sui, Supervisor Mr. Addie Bin Cinta and Field Conductor of Phase 1A, Mr. Edwin Lubat and Mr. Isaac Vincent for giving me an opportunity and their effort in guiding me as a fresh trainee to complete this Internship programme until the end. From this internship, I have experience so many things about the actual field training in Oil Palm Plantation and I realize that the actual work in the field is more challenging and it let me to apply what I had learn in my courses before which is in Diploma in Plantation Industry Management. I will not forget all of your kindness and enthusiasm in letting me know that I was the one lucky enough to get the chance to work pleasantly and get beneficial internship with this big company.

During these 3 months as a trainee, I am exposed to many excellent experiences which are very meaningful and valuable for me to learn and carry out when I face the real world of working in the future. In this period, I have learned to work as a team and learned how to communicate with community who came from differences ages and life background.

3.0 HISTORY OF SUBUR TIASA

In 1988, Tan Sri Datuk Sir Tiong Hiew King founded Subur Tiasa Plywood in Sibu, Sarawak with an initial paid up capital of RM125.7 million. Two decades later, after weathering through the storms sparked by its humble beginnings, Subur Tiasa has successfully established itself as Malaysia's leading manufacturer and exporter of integrated forest products that have received global awards therein realising the visio. During its founding years from 1988 to 1994, Subur Tiasa first located its niche in plywood and veneer manufacturing and exports before venturing into sawn timber and laminating board manufacturing. This period also saw sawmills and a power generating plant set up in Tanjung Manis Timber processing zone.

Plywood and sawn timber production still serve to anchor the company's principal activities until today. The period from 1995 to 2000 was an era of accelerated growth for Subur Tiasa after its subsidiary. Subur Tiasa Particleboard Sdn. Bhd. Was officiated in 1994. With its particleboard business and upstream logging activities taking off, the crowning success then arrived when Subur Tiasa was listed on the Main Market of Bursa Malaysia Securities Berhad in 1997. In 2001, Subur Tiasa continued to raise its game and underwent enormous expansion, participating and investing in tree planting and reforestation projects. Subur Tiasa is a firm believer of eco-balance such that they ensure their reforestation projects compensates for their logging practices by 30 times. Maximising the usage of natural resources has since become Subur Tiasa's core mission.

From then on, Subur Tiasa has gone from strength to strength. On top of manufacturing and exporting its core forest products, the company has further diversified its operations to include investments holdings, extraction and sales of logs, finger joint moulding, power generation, reforestation, cultivation of oil palm, marine transportation and property development. In Standard and Poor's comprehensive report on Malaysia and the 25 top stocks it is anticipating to outperform the market in 2010, Subur Tiasa was conferred and honourable 23rd position.

Based on reported on 2010, Subur Tiasa has has diversified geographical markets for its timber products and is significantly less dependent on the weak Japanese housing market than other large Malaysian timber companies. Its logging division is expected to perform well with continued robust demand from India while its maturing palm oil plantation will provide another source of recurring earnings.

3.1 SUBUR TIASA HOLDINGS OIL PALM

With a total land bank of 13,000 hectares (ha), Subur Tiasa Holdings oil palm (or plantations are a major part of our strategic business development plans. A breakdown of the current development of our oil palm plantations located in East Malaysia's Mukah and Kapit is as follows: 1,300ha of Mature Area, 3,100ha of Immature Area and 250ha of Young Palm Area.

Contrary to myths claiming that oil palm plantation activity is a major contributor to global warming and deforestation, findings by Reinhardt from Institute for Energy and Environmental Research has shown that palm oil produced least carbon dioxide compared to other vegetable oils, while Stem Report clarified that oil palm plantation activity accounts for only 20-30% of forest land cleared in Malaysia and Indonesia.

Evidently, palm oil has remained as an immensely popular export product. Reuters reported in May 2010 ("Malaysia's $25-bln palm oil refining sector") Malaysia is the world's second largest producer of palm oil.

It was highlighted that in China, the lead importer, agricultural companies have converted palm oil into cooking oil and instant noodle makers use palm oil to deep-fry flour noodles for a longer shelf life. Other global F&B giants such as Unilever, Nestle, Kraft, Burger King Holdings and McDonald's Corp also buy refined palm oil products to aid in their baking and frying food production. While beauty companies like L'Oreal use refined palm kernel oil for cosmetics and other palm oil products for hair and body products.

The development of Subur Tiasa's oil palm plantation was initiated in 2006 and has grown steadily since. As at 2010, we are reaping approximately 2,000 metric tonnes of fresh fruit bunches on a monthly basis.

Our oil palm plantations have also remained rigorously compliant with statutory requirements including the submission of Environmental Impact Assessment Report, quarterly submission of Environmental Monitoring Report and half-yearly submission of Progress Report on Oil Palm Plantation Development.