



UNIVERSITI TEKNOLOGI MARA

REPORT ON INDUSTRIAL TRAINING AT SABAH
FORESTRY DEVELOPMENT AUTHORITY
LUMAT BEAUFORT, SABAH
(SAFODA)

AZREEN ZULAIKHA BINTI ZAINI
2016797337

SITTI SOLEMAH BINTI HAJAD
2016903567

DIPLOMA IN PLANTING INDUSTRY MANAGEMENT
FACULTY OF PLANTATION AND
AGROTECHNOLOGY

JULY 2019

ACKNOWLEDGEMENTS

Praise to Allah SWT for strength, health and opportunity given to us as without Him, we might not able gone through all obstacle during our practical and study. We felt bless and grateful that we could finish this industrial training on time. First, we would like to express our wonderful thank you to our beloved supervisor, Ts. Rozlianah Fitri binti Said who gave us opportunity, guide and help us in preparing our report. Then, we want to express our sincere appreciation to our Plantation Officer, Mr. Dalinsip Pangalin because gives his guidance during our industrial training. We also would like to thank to all SAFODA staff for willingness to teach and guide us to finish our industrial training

Special thanks to our parents for giving us the facilitator to complete this industrial training. They were giving us encouraging words and moral support until we finish. Thank you very much to Sabah Forestry Development Authority Lumat, Beaufort, Sabah, Malaysia for willing accept us as candidated to do the Industrial training.

To our beloved fellow friend, we appreciate all the helping that given to us. Finally, we thank those involved directly or otherwise in the making of this report industrial training. Thank you. May Allah S.W.T bless all of you.

1.1	Agency Background	
1.2	Vision and Mission	1
1.3	Region Estate	2
2.0	TRAINING SCHEDULE	3
2.1	Overview of Training Schedule	3
2.2	Practical Trainee Application	4
2.3	Rubber Trees Nursery	4
2.3.1	Process of Budding	5
2.3.2	Transplanting of Rubber Seedlings to the field	6
2.4	Land Preparation	7
2.4.1	Land Survey	7
2.4.3	Blocking	7
2.4.3	Land Clearing	7
2.4.4	Terracing	7

TABLE OF CONTENTS

	Page
INDUSTRIAL TRAINING DETAILS	i
TRAINEE CURRICULUM VITAE	ii
TRAINEE CURRICULUM VITAE	iii
DECLARATION	iv
DECLARATION	v
CERTIFICATION	vi
CERTIFICATION	vii
ACKNOWLEDGEMENT	viii
TABLE OF CONTENTS	ix
LIST OF TABLES	x
LIST OF FIGURES	xii
LIST OF ABBREVIATIONS	xiii
3.0 CONCLUSIONS	17
1.0 INTRODUCTION	18
1.1 Agency Background	1
1.2 Vision and Mission	1
1.3 Region Estate	2
APPENDICES	18
2.0 TRAINING SCHEDULE	3
2.1 Overview of Training Schedule	3
2.2 Practical Trainee Application	4
2.3 Rubber Tree Nursery	4
2.3.1 Process of Budding	5
2.3.2 Transplanting of Rubber Seedlings to the field	6
2.4 Land Preparation	7
2.4.1 Land Survey	7
2.4.2 Blocking	7
2.4.3 Land Clearing	7
2.4.4 Terracing	7

2.4.5	Stand Per Hectares (SPH) Calculation method	8
2.4.6	Drainage Construction	9
2.4.7	Road Construction	9
2.5	Cultivation	10
2.5.1	Manuring and Planting <i>Mucuna bracteata</i>	11
2.5.2	Census Rubber Seedlings	11
2.6	Field Maintenance	11
2.6.1	Weeding	11
2.6.2	Pruning	12
2.6.3	Fertilizer Requirement	13
2.6.4	Pest and Disease of Rubber Tree	14
2.7	Tapping Rubber	16
2.7.1	Process Coating Latex	17
3.0	CONCLUSIONS	17
4.0	RECOMMENDATIONS	18
	REFERENCES	18
	APPENDICES	19

1.0 INTRODUCTION

1.1 Agency Background

Sabah Forestry Development Authority was established when Enactment No.20 of 1976 was passed by the Sabah Legislative Assembly on 24th December 1976. The effective date of the Enactment was 1st January, 1977 and was replaced by Enactment No.24 of 1981. The main objectives of SAFODA are to establish large scale commercial plantations for the production of timber and other wood products, to rehabilitate wastelands for productive use, to protect and restore the environment through reforestation activities, to promote activities participation of the private sectors in forest plantation and downstream activities and to carry out research and development activities in relation to forest plantation techniques, downstream processing and marketing.



Figure 1.2: The map of SAFODA area

Figure 1.1: SAFODA logo.

1.2 Mission & Vision

Mission

To develop forest plantations and to create sustainable quality timber resources.

Vision

Become the most important agency in forest plantation development.