

**SOIL MOUNDING PRACTICES ON PERFORMANCES OF OIL PALM IN
PEAT SOIL IN P.T. NAFASINDO ACHEH SINGKIL, INDONESIA**

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Partial Fulfilment of the Requirements for the
Degree of Bachelor of Science (Hons.) Plantation Technology And Management
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DECLARATION

This Final Year Project is a partial fulfilment of the requirements for a degree of Bachelor of Science (Hons.) Plantation Technology and Management, Faculty of Plantation and Agrotechnology, Universiti Teknologi MARA.

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TABLE OF CONTENTS

	<u>Page</u>
ACKNOWLEDGEMENTS	iii
TABLE OF CONTENTS	iv
LIST OF FIGURES	v
LIST OF TABLES	vi
LIST OF ABBREVIATIONS	vii
ABSTRACT	viii
ABSTRAK	ix
<u>CHAPTER</u>	
1 INTRODUCTION	
1.1 Background of study	1
1.2 Problem statement	3
1.3 Objectives of study	4
1.4 Significant of study	4
2 LITERATURE REVIEW	
2.1 Oil palm importance- biology	6
2.1.1 Scientific classification	6
2.1.2 Oil palm morphology	7
2.1.3 Oil pal m industry	8
2.1.4 Malaysia palm oil industry	10
2.1.5 Oil palm industry in Indonesia	11
2.2 Peat soil	12
2.2.1 Morphology characteristic	13
2.2.2 Physical properties of the peat soil	14
2.2.3 Chemical properties of peat soil	15
2.2.3.1 pH	15
2.2.3.2 Organic carbon	15
2.2.3.3 Nutrient	16
2.3 Soil mounding	16
2.3.1 Definition of soil mounding	17
2.3.2 Types of soil mounding	17
3 METHODOLOGY	
3.1 Location of study	20
3.2 Data collection	20
3.3 Parameters	20
3.4 Planting materials	21
3.5 Hypothesis	22
4 RESULTS AND DISCUSSION	
4.1 Results	24
4.1.1 The comparison of oil palm yield	24

ABSTRACT

SOIL MOUNDING PRACTICES ON PERFORMANCES OF OIL PALM IN PEAT SOIL IN P.T NAFASINDO ACHEH SINGKIL, INDONESIA

The secondary data has been taken at P.T Nafasindo Aceh Singkil, Indonesia during semester break. The data was analysed by using Sigma Plot and Microsoft Excel software. Soil mounding application is one of the best management practices that can help to increase the oil palm production in peat area. The peat soils are high in organic matter and have very fertile soil for oil palm cultivation (Murtedza *et al*, 2002). The tendency of the oil palm become lean and falling down are very high, if the oil palms are planted in the peat soil area. The roots of the palm tree also will appear on the ground of the soil surface. So, these practices have been done to prevent the oil palm become lean and falling down. Furthermore, these practices can enhance root growth and the root can uptake enough nutrient for the oil palm uptake. The result of this study this study was indicated that there is a significant difference in the yield and nutritive value of the oil palm when soil mounding is applied.

Keywords: Soil mounding, peat soil, oil palm