

DEPARTMENT OF BUILDING SURVEYING FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING UNIVERSITI TEKNOLOGI MARA

SLOPE PROTECTION (SOIL NAILING) AT SMK SERI LIPIS, KUALA LIPIS

FATIN NABILAH BINTI ZAWAWI (2012668352) DIPLOMA IN BUILDING SURVEYING

PRACTICAL TRAINING REPORT DECEMBER 2014 – APRIL 2015

DECLARATION:		
I hereby admit that this report is the result of my own efforts, except for the certain parts that are attached from sources that specified in reference chapter.		
Prepared By:		
(FATIN NABILAH BINTI ZAWAWI)	Date:	
Approved By:		
(PUAN NADIRA BINTI AHZAHAR)	Date:	

<u>ACKNOWLEDGEMENT</u>

First and foremost, I want to congrats my self Fatin Nabilah Binti Zawawi for being able to finish writing this report in time given.

Next, I would like to express my deepest appreciation to all those who provide me the possibility to complete this report. A special gratitude I give to my supervisor Puan Nadira whose contribute in simulating suggestion and encouragement, help me to coordinate my report.

Furthermore, I would also like to acknowledge with much appreciate to all the staff in JKR, Kuala Lipis who give me a ride to go to the site

A special thanks to all my friends. Last but not least, for my parents that give all the support for me to write this report. Thank you

TABLE OF CONTENT

NO.	CONTENT	PAGE
	CHAPTER 1: ORGANIZATION BACKGROUND	
1.0	Introduction	1
1.1	History of JKR	2
1.2	Company profile	3
1.3	Location of JKR	5
1.4	JKR building view	6
1.5	Organization chart	7
1.6	Vision, mission	8
1.7	Logo of JKR	9
1.7	List of on-going projects	10
1.8	Overview of practical training	11
	CHAPTER 2: SLOPE PROTECTION	
2.0	Introduction	13
2.1	Types of slope protection	14
2.2	Factors of slope failure	45
	CHAPTER 3: CASE STUDY	
3.0	Introduction	50
3.1	Site background	51
3.2	Machinery used	53
3.3	Method construction of soil nailing	56
3.4	Quality control	63
	CHAPTER 4: PROBLEMS AND RECOMMENDATIONS	
4.0	Introduction	68
4.1	Problems and recommendations	69

CHAPTER 1

- ORGANIZATION BACKGROUND -