

**PLASTIC COVER USAGE  
IN REDUCING SOIL  
EROSION LOSS.**

**BY :**

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## **ABSTRACT**

**Recently soil erosion has become a very serious problem in Malaysia and will continue to enhance the problem in the future, unless proper planning and administration of the utilisation of land is adopted at early stage.**

**The prevention of soil erosion, which means reducing the rate of soil loss to approximately that which would occur under natural condition, relies on selecting appropriate strategies for soil conservation and this in turn, requires a thorough understanding of the process of erosion.**

**The factors which influences the rate of erosion are rainfall, runoff, wind, soil properties, topography, slope vegetation and the presence or absence of conservation measures.**

**Primary objective of soil conservation works must be control and reduce erosion. Using plastic cover to protect erosion loss is one solution to an erosion problem. This plastic cover is one of the protection works but its may not be necessary to the solution of an erosion problem. There may be one solution but it is not necessarily the best.**

**In this research, plastic cover can reduce about 84.46 % of soil erosion loss**

## TABLE OF CONTENTS

<u>CONTENTS</u>	<u>PAGE</u>
<b>ACKNOWLEDGEMENT</b>	i
<b>ABSTRACT</b>	ii
<b>TABLE OF CONTENTS</b>	iii & iv
<b>LIST OF TABLES</b>	v
<b>LIST OF FIGURES</b>	vi
<b>LIST OF PLATES</b>	vii
<b>CHAPTER ONE- INTRODUCTION</b>	
1.0 General	1
1.1 Aim	3
1.2 Objectives	3
1.3 Scope of Study case	4
1.4 Outcome and Application	4
<b>CHAPTER TWO- LITERATURE REVIEW IN RELATION TO SOIL EROSION</b>	
1.0 Type of Soil Erosion	5
2.0 Geological Erosion	5
3.0 Accelerated Erosion	6
<b>4.0 The Universal Soil Loss Equation (ULSE)</b>	<b>12</b>
<b>CHAPTER THREE- MATERIAL AND METHODS USED</b>	
1.0 Methodology	21
2.0 Erosion Field Plots	21
3.0 Rainfall Gauge Station	24

# **CHAPTER ONE**

## **INTRODUCTION**

### **1.0 GENERAL**

1.1 Our country, Malaysia is undergoing a very tremendous land development especially in the development of infrastructures. This development is inevitable as it is a prime activity in the progress of the nation toward year 2020. Vast areas of virgin rain-forest, especially in Peninsular Malaysia are being cleared rapidly to cope with the immense for land in all sector of development especially in construction of highways and opening up new industrial as well as residential areas and for agricultural activities. Although land development schemes for both infrastructures and agricultural purposes form an integral part of the whole spectrum of socio-economic advancement in this country, its success is indeed be limited, if insufficient attention is paid to the adverse effects of land development, such as soil erosion. If appropriate soil conservation measures are not taken simultaneously with development, it will lend to increase soil erosion and therefore, siltation of streams and rivers will occurs. This will be beginning of others related problems such as flooding and landslide.

1.2 Soil erosion issue was not given great and proper attention among the general public in our community before the end of last decade. Presently, soil erosion is almost universally recognized as serious threat to human's well being and this is shown by the fact that most governments in the world today, including Malaysia give an active support to programs of soil conservation to protect the environment. There are many