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**NET MULCHING EFFECT IN**  
**REDUCING SOIL EROSION LOSS**

**MOHD AZMIN BIN HUSSIN**  
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## **ABSTRACT**

Recently, soil erosion is almost universally recognised as a serious problem and threat in Malaysia and with the accelerated rate of land development, this problem will certainly enhance and worsen unless proper planning and management of the utilisation of land is adopted at the very early stages of any proposal of land use.

Severe soil erosion is among the major causes of land degradation slide and hence, these issues should be addressed seriously by all and at any activities of the general public at present and forever.

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 measures.

Using the field Erosion Plot established at Department of Irrigation and Drainage (JPS) Ampang with soil sample from Highland Tower, Puchong and Batu Dam an assessment on the soil cover management factor C of the Universal Soil Loss Equation (USLE) were carried out.

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## **CHAPTER ONE**

### **INTRODUCTION**

#### **1.0 AN OVERVIEW**

Our country, Malaysia is undergoing a very tremendous land development action especially in the development of infrastructures. This development is inevitable, as it is a prime activity in the progress of the nation towards vision 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 the construction of highways, opening up of new industrial and residential areas as well as for the agricultural activities.

Although land development schemes for both infrastructure and agricultural purposes form an integral parts of the whole spectrum of sosio-economic advancement in this country, its success is indeed be limited, if insufficient attention is paid to the adverse effects of land development, particularly on soil erosion issues. If appropriate soil conservation measures are not taken simultaneously with development, it will leads to an increase in soil erosion and therefore, siltation of streams and rivers will occurs. This will be the beginning of others related problem such as flooding and landslide.

An instance of severe soil erosion, which is among the major cause of landslide, has marked many black chronicles to the nation. The collapse