LANDSLIDE WARNING SYSTEM USING AVR MICROCONTROLLER

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ABSTRACT

This project based on measuring movement of mass like soil or rock on top of high land then sent a warning. This is an embedded system thus using hardware and software designed to perform a specific function and direct to the personal computer. System build using microcontroller as detection circuit and data sent to Personal Computer (PC) for display. The landslide warning type divided to four depend on data, there are Normal, Warning1, Warning2 and Danger.

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CHAPTER 1

INTRODUCTION

1.0 INTRODUCTION

Malaysia is located in Southeastern Asia. Malaysia's terrains are coastal plains rising to hills and mountains and its natural hazards are flooding and landslides. Landslides are regular natural disasters which happen at the hillsides. Not just it is frequently responsible for losses of money and lives, but this unpredictable disaster also have causes many death. Fig.1.1 below shows one of landslide tragedy location while Table 1.1 shows Data for Landslide Location and Death in Malaysia.

Fig.1.1: One of landslide tragedy location.