FINAL YEAR PROJECT REPORT

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ROAD ACCIDENT DATABASE

MANAGEMENT SYSTEM

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SYNOPSIS

This thesis is to develop a software of Road Accident Database Management System (RADMS) for data input and analysis of road accident. The format of the system was based on road accident data form used by the Royal Police Department of Malaysia, form POL 27.

This thesis covers only on computer programming using dBase III plus language and operated on personal computer of IBM compactable or equivalent.

The system developed can be used for road accident data base inventory and also perform basic statistical analysis to reveal the trends and patterns of road accidents over a specified period time. By knowing these facts and identification of black spot , essential preventive counter-measures and precautions can be considered for implementation and for future planning. However, it is worth to mention that the statistical information obtained from the system should be interpreted intelligently.

1.1 INTRODUCTION

Road accident records are indispensable guides for everyone concerned with the toll of fatalities, injuries and economic collisions. These recods yield basic information needed by engineers, enforcement agencies, driver educators, safety specialists, insurance companies and civil organizations to chart their activities.

Accident causes are numerous and often difficult to determine. Most accidents happen in clear weather and involve drivers with no record of wrong-doing, driving vehicles in good condition at moderate speeds. There are, however, many collisions involving one or more serious driving hazards, such as slippery pavement, drinking drivers, unsafe brakes, excessive speed, and inadequate traffic control.

The files of accident records maintained by local and state police agencies contain information as to what occurred and what was concluded to be the cause. A trained analyst can use these facts to prescribe corrective measures. In too many instances, however, this source of data represents virtually unused evidence that could be put to work in reducing accidents. Keeping