A STUDY ON THE INTRODUCTION OF THE SPEED WARNING DEVICE

BY

HASSANUDIN BIN SUDHARMIN
ADVANCED DIPLOMA IN BUSINESS ADMINISTRATION
(TRANSPORT MANAGEMENT)

GRADUATION EXERCISE (THESIS)

Submitted in Partial Fulfillment of the Requirements for the Completion of the course in Advanced Diploma in Business Administration (Transport Management)

to the

School of Business and Management MARA Institute of Technology Shah Alam

> Advisor CIK SABARIAH MOHAMAD -

> > May 1986

ACKNOWLEDGEMENT

In the course of the preparation of this paper, I am very grateful to my advisor, Cik Sabariah Mohamad, a lecturer in Transportation Studies for her guidance, advice, constructive criticism and fine suggestions.

I also wish to record my sincere gratitude to all the staff of the Technical Service and Enforcement Division of the Road Transport Department (Headquarters), who have assisted me in one way or other in the course of of my study.

I also wish to express my special appreciations to:

- ™r. Raymond Chow Sei Ying, Technical Director,
 Road Transport Department, Malaysia
- En. Abdul Rehim Mahmood, Technical Advisor,
 Road Transport Department, Malaysia
- 3. Cik Azizah Yusof, Road Transport Officer, Road Transport Department, Malaysia

for making available to me published and unpublished articles and materials for my study.

I would also like to extend my appreciations to the Traffic Division of Royal Malaysia Police, who have made available some statistics for my study.

My greatest gratitude is towards Allah swt who had given me the will and strength to make this study a success.

Hassanudin b. Sudharmin

May 1986

TABLE OF CONTENTS

Acknowledgement) L)
List of tables and figures (vi) List of graphs (vii)) L)
List of graphs (vii	L)
	L)
	•
List of appendices (vii	ii
Abstract (vii	
INTRODUCTION (1)	
CHAPTER I - SPEED AND ROAD ACCIDENTS (9)	
1.1. Speed; why a major concern? (11)
1.1.1. Movement of freight (13)
1.1.2. Movement of passenger (13)
1.2. Advanced technologies and road	
accidents (15)
1.3. Effects of speeding (20)
1.4. Measures taken to reduce road accidents	
caused by speeding (20)
1.4.1. The KEJARA System (20)
1.4.2. Statutory speed limits (21)
1.4.2.1. Passenger vehicles	
fitted with pneumatic tyres	١
	-
1.4.2.2. Goods vehicles (22)
1.5. Speed offences in connection therewith	. 1

			PAGE
	1.5.1.	The KEJARA System	(23)
	1.5.2.	Road Traffic Ordinance, 1958	(24)
CHAPTER II -		A REVIEW ON THE SPEED DEVICE USED	
		TO DETECT SPEED VIOLATORS	(26)
2.1.	VASCAR	•••••	(26)
	2.1.1.	Introduction	(26)
	2.1.2.	Mode of operation	(27)
2.2.	Radar S	Speed Gun	(28)
	2.2.1.	Introduction	(28)
	2.2.2.	Mode of operation	(29)
2.3.	The nee	ed to be alert	(29)
2.4.	Speed V	Varning Device	(30)
	2.4.1.	Introduction	(30)
	2.4.2.	Definitions	(31)
		2.4.2.1. Activation speed	(32)
		2.4.2.2. Deactivation speed	(32)
	2.4.3.	General Construction	(32)
		2.4.3.1. Control unit	(33)
		a. The pilot warning lamp	(34)
		b. The sound warning buzzer	(34)
		c. The flashing beacon lamp	(34)
		d. Sensor unit	(35)
		e. Check button	(35)
		f. Check hole	(35)
		g. Electric cables and connection	(36)

ABSTRACT

This study shows that the situation of road accidents in this country is becoming from bad to worse. With regards to the Peninsular Malaysia, the increasing trend in road accidents each year is the factor which leads the Government to consider adopting a measure to, at least, reduce the increasing number of road accidents.

Pearing that in mind, the Speed Warning Device was introduced and the Speed Warning Device Rules, 1985 was implemented on the 1st of January 1986.

The main objective of the Government to draw up such rules was to help to reduce or prevent road accidents. However, several problems were encountered by the authority and vehicle operators due to the implementation of the rules.

Studies have shown that the offence of exceeding speed limits is only regarded as an offence if the offender is detected and some parties were even trying to manipulate and foil the implementation of the rules. It was also found that certain parts of the Road Traffic Ordinance, 1958 need to be reviewed. It is hoped that once reammended, the Road Traffic Ordinance, 1958 will help to increase the efficiency or traffic regulations in this country. Together with some recommendations, it is also hoped that the recommendations should be able to solve the current problems encountered.