CHAPTER 7

CONCLUSION AND SUGGESSTIONS

7.1 Conclusion

This study uses various economic tools to estimate the trends of economic loss and the cost indicator of road accidents and analyze road accident related factors. This study has two sections related to the two main questions :

- what is economic loss due to road accidents ?

- what extent have the related factors contributed to the number of deaths from road accidents ?

7.1.1 Economic Loss from Road Accidents

The total costs analysis was used to calculate the trends of economic loss both at constant price and current price. The trends of economic loss was also used to construct the cost indicator of road accidents in relation to the base year 1985.

The cost indicator of road accidents has been designed to compare the economics loss level in relation to the base year. The cost indicator of road accidents shows that every year from the base year has seen an increasing in the economic cost. It suggests that people, the government and many organizations such as the Department of Highway, Ministries of Public Health, Department of Land Transport, Police Department, Local Government etc. should have more concern about the huge economics problem to society from road accidents.

7.1.2 Road Accident Related Factors

To analyze the road accident related factors, the study used a multiple regression analysis and a qualitative analysis. The related factors contribute as influencing the number of deaths from road accidents were used as a proxy of the measurement this study. They are both quantitative and qualitative factors.

The quantitative factors which can have positive influence to the deaths from road accidents are: (i) alcohol consumption of people; (ii) economics growth of services; and (iii) the incremental bus registration. All variables indicate that increase of these variables will be contributed the increase in the number of deaths from road accidents.

The quantitative factors which can have negative influence to the deaths from road accidents are the road transportation budgets for direct and indirect road safety. This results shows that both variables could be contributed to reduce the number of deaths from road accidents.

The qualitative factor which can have negative influence to the number of deaths from road accident is the speed limits legislation. Speed Limits Law enforcement is also important determinant. This variable seems possible to reduce the number of deaths from road accident. Special attention of people and organizations in charge of traffic law enforcement would lead to modification the risk behavior of human and more effective prevent road accidents.

7.1.3 Total Road Transportation Budgets

Analyzing the total road transportation budgets factor, the study also used multiple regression analysis and a qualitative analysis. Regression results shows that the total road transportation budgets is not a significant determinant of the number of deaths from road accidents. Also, the combining the road transportation for direct and indirect road safety was not significant.

Considering the allocation of road transportation budgets, especially those for road safety, have contributed to reduction in the number of deaths from road accidents more effectively than the allocation of total road transportation budgets.

7.2 Suggestions

The study has described the trends of economic loss and cost indicator of road accidents and justified the road accident related factors. Three models are built:

- a model of the trends of economics loss from road accidents.

- a model of the cost indicator of road accidents.

- a model of road accident related factors.

The trends of the economic loss and cost indicator of road accidents show that there is a huge burden on the social cost from road accidents and the level of the loss in relation to the base year have been increasing. This results will help the people, the government and many organizations such as the Police Department, the National Safety Council, the Highway Department, the Ministries of Public Health, the Land Transport Department to understand the big economic burden from road accidents. They may progress in road accidents prevention and control to reduce the problems in public health for deaths and injured persons, which society will save the costs from road accidents.

The results of the road accident related factors model shows their contributing to the number of deaths from road accidents. This results will assist to the government and organizations in charge of road accident to contribution have more concern about the related factors of road accidents. Finally this study findings may help to carry out appropriate legislation and activities for improvement road safety. Major suggestions include the following:

1. The government should allocate road transportation budgets to each project such as the construction of roads, the maintenance of roads and the administration of road transportation concerning the road safety. The road transportation budgets should be allocated carefully because this budgets could contribute to reduce the number of deaths from road accidents. In the past, this budgets were allocated only 1% - 4% of the total road transportation budgets as shown to the appendix (table 1.1).

2. Awareness of the alcohol consumption have positively influenced the number of deaths from road accidents. The drunk drivers should be monitored by the policemen and should not be allowed to drive.

3. The economic growth of services sector and the incremental effect of bus registration have also positively influenced the number of deaths from road accidents. Several agencies, such as the Police Department, Highway Department, National Safety Council, Ministries of Public Health, Land Transport Department and Ministries of Education should encourage road traffic safety education for students, drivers and the public. The driver of buses should be properly trained.

4. Traffic law legislation especially the speed limits should be strictly enforced by policemen for road safety improvement. This laws is very effective in decreasing the number of deaths from road accidents.