

UNIVERSITI TEKNOLOGI MARA

**DRIVERS BEHAVIOR FOR HEAVY
TRUCK OPERATION IN
KELANTAN: A PERSPECTIVE OF
TRUCK DRIVERS**

MOHD HAFIZ AFIFI BIN AZMI

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ABSTRACT

The frequency of road accidents, particularly those involving heavy trucks, has grown from time to time, based on the number of incidents on this day. Road accidents involving large heavy truck are caused by a variety of causes. The mindset of aggressive drivers is the most crucial element. Aggressive driving can take a variety of forms. Speeding, driving too close to the car in front of you, breaking traffic laws, inappropriate lane changes, and weaving are all examples of aggressive driving. However, most individuals who drive aggressively from time to time are completely unaware of it. As a result, when drivers, particularly those operating big cargo vehicles, drive aggressively, it is a major reason for worry. Road accidents involving heavy truck vehicles in the same location are a significant concern in Malaysia and other nations. In this study, the current policy in operating the heavy truck business is explored in order to understand the potential causes while the drivers drive the heavy trucks for long trips. In the next step, the drivers are asked for their driving behaviours using questionnaire that maps on the aggressiveness or normal driving behaviours. The Binary Logistics Regression is used to relate the perceived behaviours to the occurrence of accidents among the drivers. The results show that the probability of driver to be involved in accident is 0.3881 less likely when they are being aggressive while driving. At the same time, the result of the Odd Ratio analysis shows that the risk of getting involved in an accident would likely rise by 77.4 percent with a standard error of 0.852 on the scale for each unit increase in the drivers' degree of perception of their driving behaviours to be ordinary. Based on the results, performance of a selected company is evaluated based on the driver's related performance as the benchmark for heavy truck business operation. This study also highlights on the impact of drivers' performance to the business performance and recommends for further analysis on factors influencing drivers' perceptions on their own driving behaviours.

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