MAPPING OF CAR DRIVING BEHAVIOR TO ANALYZE SAFETY OF STUDENT DRIVERS

by

DAVID VERIAN RIMBA

1-1211-062

BACHELOR'S DEGREE

in

INDUSTRIAL ENGINEERING

FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY

SWISS GERMAN UNIVERSITY
EduTown BSD City
Tangerang 15339
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Revision after Thesis Defense on August 3rd 2015

David Verian Rimba

STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

MAPPING OF CAR DRIVING BEHAVIOR TO ANALYZE SAFETY OF
STUDENT DRIVERS
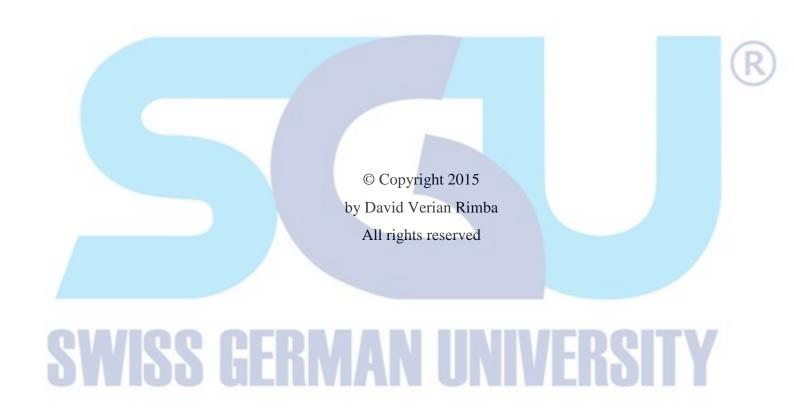
By

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Accident in transportation can be caused by human error. Unsafe driving behavior often leads to accident which results not only economic loss, but also deaths. The purpose of this study is to create a map which recognize the behaviors and accidents which have possibilities to cause accident. This research involved 50 university students with questionnaire as its measurement tool. The questionnaire is distributed in 2 ways, online-based and paper-based. The analysis methods for this research are univariate statistics and Human Factor Analysis and Classification System. The result is many respondents who have experienced accident tend to experience more distractions compared to those who never experienced accident. Inattention during driving also contributes to the high rate of accidents. For conclusion, people need to be aware that during driving the most dangerous distractions are related to sleepiness and cellphone usage.

Keywords: Driving Behavior, Human Factor Analysis and Classification System, Human Error

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DEDICATION

For myself as a milestone in accomplishing this bachelor degree

For my parents who have always been supporting me

David Verian Rimba

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David Verian Rimba

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