

**ANALYSIS UNDERSTANDING OF TRAFFIC SIGNS BY
ROAD USERS - CASE STUDY COLLEGE STUDENTS IN
YOGYAKARTA**

Final Project Report
in fulfillment of the requirement for the degree
Bachelor of Civil Engineering

by:

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**INTERNATIONAL CIVIL ENGINEERING PROGRAM
DEPARTMENT OF CIVIL ENGINEERING
FACULTY OF ENGINEERING
UNIVERSITAS ATMA JAYA YOGYAKARTA
YOGYAKARTA**

2018

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ANALYSIS UNDERSTANDING OF TRAFFIC SIGNS BY ROAD USERS - CASE STUDY COLLEGE STUDENTS IN YOGYAKARTA

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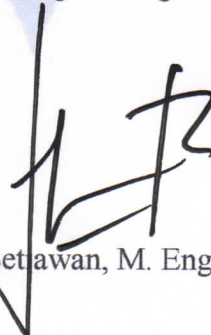
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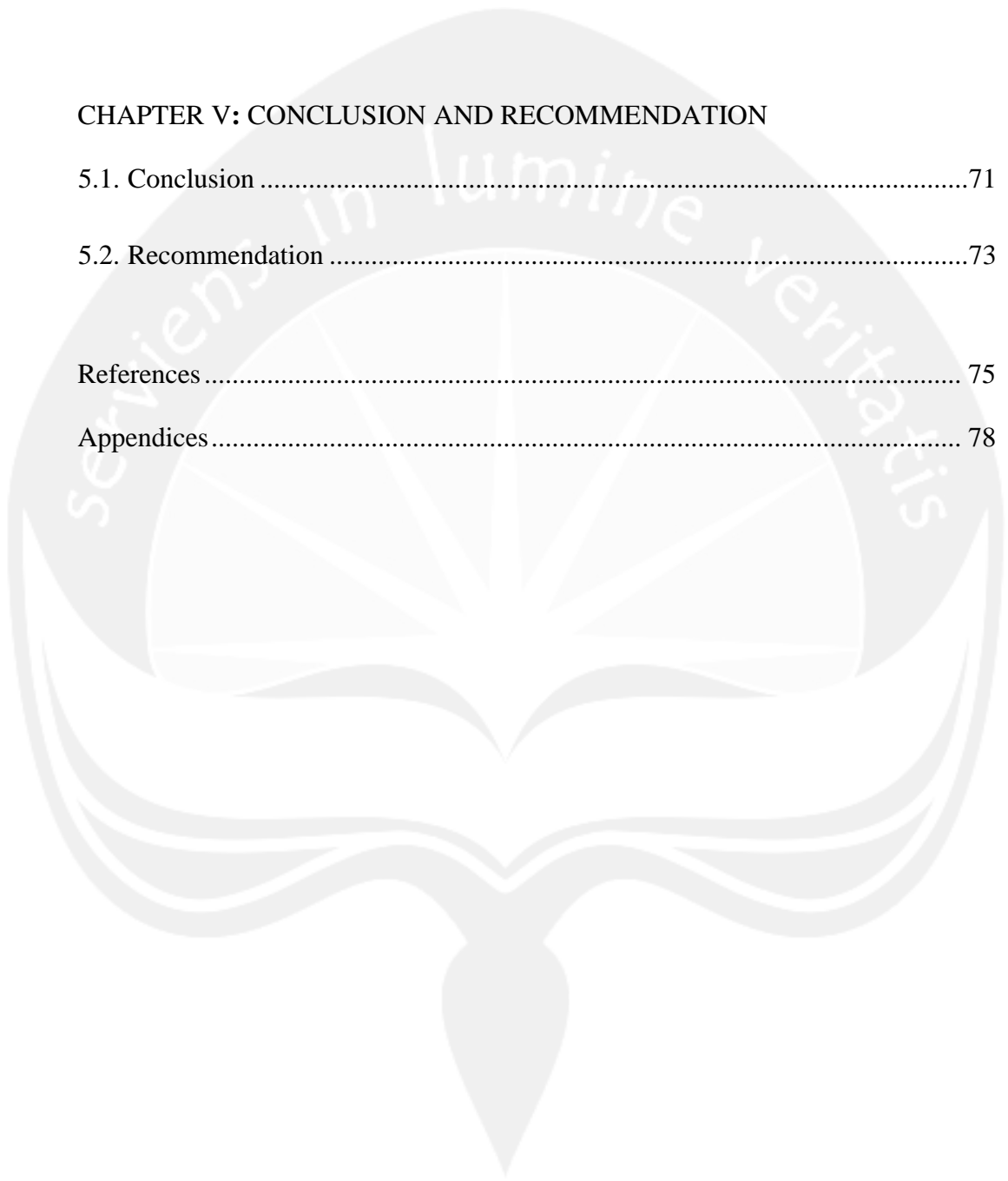
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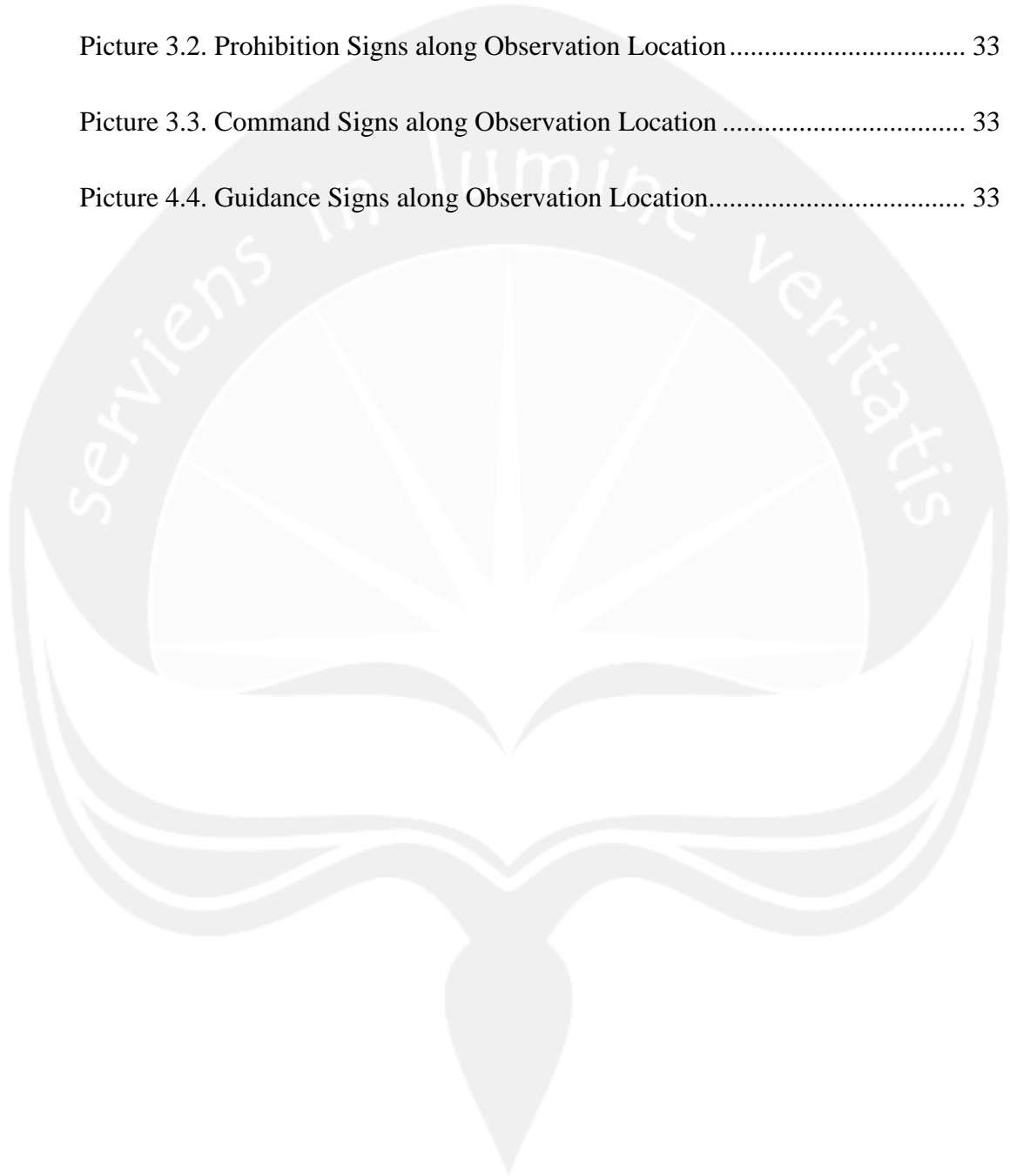
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ABSTRACT

ANALYSIS UNDERSTANDING OF TRAFFIC SIGNS BY ROAD USERS - CASE STUDY COLLEGE STUDENTS IN YOGYAKARTA , Ninsi Susanti Simange, Student ID Number 14.13.15593, year of 2018, Transportation Engineering, International Civil Engineering Program, Department of Civil Engineering, Universitas Atma Jaya Yogyakarta.

Yogyakarta is well known as a student city. By means, many young people all over Indonesia are studying in Yogyakarta. Thus, the population in Yogyakarta will increase rapidly along with the increase of vehicles. As one of the consequences of this increasement is road users will face a higher risk of traffic accident. It is because road users spend more time in traffic and human error always happens when traffic on the road such as road users often do not have a good knowledge of parts of the traffic such as traffic signs. Therefore, by understanding traffic signs are required toward achieving the traffic safety. The purpose of this study examines to what extent the understanding of traffic signs by road users in Yogyakarta with respect to their personal characteristics such as gender, college, semester, origin, license, and study experience, and correlation with traffic accident. Then identify to what extent the road users are obeying the traffic signs.

The data that used in this study are collected by using a questionnaire. Total 204 questionnaires are distributed and spread to college students in Yogyakarta as the target respondents within ± 6 weeks for time duration for distributing and collecting the questionnaires. Pearson correlation product moment is used to test the validity of the questionnaire and Cronbach's Alpha is used to test the reliability of the questionnaire. Later, a descriptive analysis performed in percentage is used to examine the understanding of traffic signs by road users in Yogyakarta and correlation with traffic accident, also the road user behavior in obeying the traffic signs.

The result of this study shows that only 12% respondents understanding the correct types of all traffic signs, followed with understanding the traffic signs along observation location, the result indicates that the level understanding of traffic signs is in between good to very good understanding. From the study, there is no significant difference understanding in gender, origin, driver license ownership of respondents. While in respondent's semester, the 1st, 3rd, and 5th semester of respondents is the better understanding than respondents in 7th, 9th, 11th semester. Study experience of traffic signs is influential because the respondents who had studied the traffic signs have better understanding than respondents who never studied traffic signs. From the total of respondents only 4% of respondents are never violate the traffic signs. The result indicates that from the total respondents there are 14 respondents had traffic accident due to do not understand traffic signs.

Key Words: Understanding Traffic Signs, Traffic Safety, Traffic Accident, Road User Characteristic.