

# The Built Environment Selected Writings

MARIANA MOHAMED OSMAN  
MANSOR IBRAHIM  
M. ZAINORA ASMAWI  
AZILA AHMAD SARKAWI



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INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

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### STUDENTS' TRIPS TO THE CAMPUS: THE CASE OF KULLIYAH OF ARCHITECTURE AND ENVIRONMENTAL DESIGN, INTERNATIONAL ISLAMIC UNIVERSITY, MALAYSIA.

Syahriah Bachok<sup>1</sup>

#### ABSTRACT

This chapter deals with the analysis of trips made to a campus by students of the Kulliyyah of Architecture and Environmental Design, International Islamic University, Malaysia. The university is facing challenges including the scarcity of land allocated for road spaces and parking areas. Hence, this chapter analyse the characteristics of trips made, identifying variables such as mode of transport, travel distance and travel time. The analysis applied the regression analysis and t-test analysis to infer some relationships between these variables. The chapter also highlights the advantages and disadvantages of these two analyses methods. The discussion provided will assist university authorities in planning and developing the transport infrastructure and facilities by identifying the trips proportion made by motorized and non-motorised modes of transportation.

*Keywords:* students, campus, trips, analysis.

#### 1.0 INTRODUCTION

##### 1.1 Introduction

University campuses are facing many challenges nowadays. Several issues relating planning and development of campuses include under-provision of infrastructure and transportation facilities (Guyton, 1971). Additionally, managing scarcity of land and sustainability of physical development are two major goals of traffic and parking planning in campuses.

##### 1.2 Background

Several initiatives on campus traffic and parking planning have been undertaken by various higher educational institutions (Litman, 2009; Albuquerque City Council, 2011; Desman Associates, 2009; University of Maine, 2011; Vctoria Transport Policy Institute, 2011; University of Victoria, 2010). Amongst the initiatives are:

Amongst the initiatives some focused on the road and parking provision and improvements. Some campuses imposed economic charging and pricing of road and parking. In other cases, the campus authorities concentrated on improving walking and cycling facilities. Promotion

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<sup>1</sup> Assistant Professor, Kulliyyah of Architecture and Environmental Design, International Islamic University Malaysia