

# READERS OF ENVIRONMENTAL PLANNING IN MALAYSIA



■ MARIANA MOHAMED OSMAN ■  
■ ALIAS ABDULLAH ■ M. ZAINORA ASMAWI ■



IIUM PRESS

INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

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## CONTENTS

	<u>Page No.</u>
Contents	v
List of Tables	vii
List of Figures	viii
Foreword	ix
Preface	x
Contributors	xi
<b>CHAPTER 1: THE LINKAGE BETWEEN TOWN PLANNING AND COASTAL MANAGEMENT: A CASE STUDY OF KLANG DISTRICT, SELANGOR</b> <i>M.Zainora Asmawi and Tuminah Paiman</i>	1
<b>CHAPTER 2: URBAN PARK PLANNING IN MALAYSIA</b> <i>Azila Ahmad Sarkawi and Nur Aulia Rosni</i>	10
<b>CHAPTER 3: THE ROLES OF ECOLOGICAL DESIGN IN GREENING THE SURROUNDING ENVIRONMENT IN UPM SERDANG CAMPUS</b> <i>M.Zainora Asmawi and Abdul Razak Abdul Aziz</i>	21
<b>CHAPTER 4: CONCEPTUAL AND POSSIBLE APPLYING LIMITS OF ACCEPTABLE CHANGE FRAMEWORK INTO MALAYSIAN NATIONAL PARK: A CASE STUDY OF ENDAU ROMPIN AND MULU</b> <i>Alias Abdullah, Shamzani Affendy and Chee Hon Loong</i>	29
<b>CHAPTER 5: GIS APPLICATION IN MONITORING DEVELOPMENT PLAN IMPLEMENTATION IN MALAYSIA: WEAKNESSES AND POTENTIAL</b> <i>Alias Abdullah, Rustam Khairi Zahari and Muhammad Faris Abdullah</i>	37
<b>CHAPTER 6: AN URBAN HERITAGE TRAIL OF ALOR SETAR, KEDAH, MALAYSIA</b> <i>Mansor Ibrahim</i>	49

<b>CHAPTER 7:</b>	<b>THE LEVEL OF AWARENESS TOWARDS ENVIRONMENTAL ISSUES AND CONCERN AMONG STUDENTS IN TERTIARY LEVEL: CASE STUDY OF UNIVERSITIES STUDENTS IN KUALA LUMPUR AND KLANG VALLEY OF MALAYSIA</b> <i>Mariana Mohamed Osman, Syahriah Bachok and Aisyah Nadhrah Ibrahim</i>	59
<b>CHAPTER 8:</b>	<b>AIRBORNE PARTICULATES MATTER IN MUSEUMS AT PERAK DARUL RIDZUAN AND KUALA LUMPUR, MALAYSIA</b> <i>Shamzani Affendy Mohd Din and Norsyamimi Hanapi</i>	74
<b>CHAPTER 9:</b>	<b>QUANTIFYING IMPACTS OF AIRPORT EXPANSION: A CASE STUDY OF KLIA2</b> <i>Syahriah Bachok and Syazwani Sahrir</i>	86
<b>CHAPTER 10:</b>	<b>HEALTH IMPACT DUE TO PARTICULATES MATTER EMISSION FROM CONSTRUCTION SITE</b> <i>Shamzani Affendy Mohd Din and Nik Nurul Hidayah Nik Yahya</i>	98

## CHAPTER 10

### HEALTH IMPACT DUE TO PARTICULATES MATTER EMISSION FROM CONSTRUCTION SITE

Shamzani Affendy Mohd Din<sup>1</sup> & Nik Nurul-Hidayah Nik Yahya<sup>2</sup>

#### INTRODUCTION

The usage of the terms 'global warming', 'climate change' and 'greenhouse gas emission' that existed since late 18th century (US EPA, 2011) had been widely spread to the world as it had been critically discussed in the First World Climate Conference in 1979 (DOE, 2007). This explosion occurs parallel to the increase development of the earth. Global warming scientifically defined as the global mean surface temperatures that change the patterns of global climate. Through this chapter, an explanation on climate change and air pollution are reviewed and discussed.

The term global warming found the terms climate change that translated by US EPA (2011), as any significant change in measures of climate that last for an extended period. It is to be highlighted here that this term covers broader scope of temperature increment than global warming. Furthermore, it had been identified that global warming shall occur through natural resources such as volcanic explosion, earth orbit changes and sun's energy release; and human activities for instance the industrial revolution.

Deforestation, reforestation, urbanization and burning fossil fuel also may contribute to the climate change (US EPA, 2011). Global warming causes increased surface air temperature, subsurface ocean temperature, average global sea levels, and change the physical and biological system (DOE, 2007). The human activities causes the emissions of the greenhouse gases act as the shield for heat to escape from the earth, thus causes increase in temperature.

Furthermore, they also cause the existence of air pollution on earth since 16 AD (Hunt, 2011). However, the deterioration of air quality in Malaysia is acknowledged in early 1970s (Awang et. al., 2000). Malaysia is currently facing human being adverse health and poor visibility impact due to the air pollution and specifically haze occurs in the year 1982, 1988, 1991, 1994, 1997 and 2004 (Talib et. al., 2006).

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