# Application of **Universal Design** in the Built Environment

Editors: Asiah Abdul Rahim Ismawi Hj Zen









# Application of Universal Design in the Built Environment

Editors: Asiah Abdul Rahim Ismawi Hj. Zen



INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

#### Published by: IIUM Press International Islamic University Malaysia

### First Edition, 2011 ©IIUM Press, IIUM

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without any prior written permission of the publisher.

Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

Asiah Abdul Rahim & Ismawi Hj. Zen: Application of Universal Design in the Built Environment

ISBN: 978-967-418-205-2

Member of Majlis Penerbitan Ilmiah Malaysia – MAPIM (Malaysian Scholarly Publishing Council)

Printed by : **HUM PRINTING SDN. BHD.** No. 1, Jalan Industri Batu Caves 1/3 Taman Perindustrian Batu Caves Batu Caves Centre Point 68100 Batu Caves Selangor Darul Ehsan

# **TABLE OF CONTENTS**

Chapter	Title	Page
	Preface	vii
	Acknowledgement	viii
1	<b>Universal Design and Access Audit</b> Asiah Abdul Rahim and Nur Amirah Abd Samad	1
2	Malaysian Standards, Other Regulations for People with Disabilities, and the Future Direction Asiah Abdul Rahim, Ismawi Hj.Zen, and Nur Amirah Abd Samad	19
3	Accessible Building Design: Transportation Buildings - Case Studies of LRT Station of Bandar Tasik Selatan, Ferry Jetty of Penang, and Ferry Jetty of Pangkor Island Muna Hanim Abdul Samad, Asiah Abdul Rahim, NurAmirah Abd Samad, Wan Mariah Wan Harun, and Zulkefle Ismail	35

Chapter	Title	Page
4	<b>Recreational Park for All Taman Rekreasi Kiara, Kuala Lumpur</b> Saodah Wok and Ardi Herman Mohd Mardzi	55
5	Accessibility for People with Disabilities (PwDs) within Housing Area Aniza Abu Bakar and Norliza Muhamad	88
6	Provision of Barrier-Free Environment at Waterfront Development in Malaysia Shuhana Shamsuddin, Fadzidah Abdullah, Ruzita Mohd. Amin, Sulzakimin Mohammad, and Che Raiskandar Che Rahim	114
	Glossary	148
	References	151

# CHAPTER 4: RECREATIONAL PARK FOR ALL – TAMAN REKREASI KIARA, KUALA LUMPUR

Saodah Wok & Ardi Herman Mohd Mardzi

### **INTRODUCTION**

This paper discusses the importance and functions of a recreational park to be used by all people, including accessibility to all groups regardless of age, culture, background, gender, abilities and social status. Recreational spaces should be a safe place for everyone to enter in terms of its function, accessibility, connectivity and usability.

This paper discusses the methodology used while the research is conducted, in which the main concern is towards general observations and interview with the users concerning the accessibility of the park. This research also requires the researchers to carry out evaluation on the level of accessibility and how can they be overcome.

The paper, thus, elaborates about types of parks in general, the criteria and requirement of a park, and to make a simple comparative study of recreational parks between local and oversea, in terms of accessibility and how do the park serve people well. The findings are intended to provide proposal and recommendation on appropriate design criteria for people with disabilities to have access.

## **OBJECTIVES OF THE RESEARCH**

 To identify the needs of the users, especially the people with disabilities (PWDs) and elderly in their outdoor living environment, particularly in the recreational spaces;