<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
</tr>
</tbody>
</table>
CONTENTS

List of Figure ix
List of Table xiii
Preface xvii
Acknowledgement xix

INTRODUCTION
Issues and Challenges of Sustainable Urban Development in Malaysia Norhaslina Hassan 1

PART 1
SETTLEMENT PATTERNS AND URBAN SOCIAL PLANNING 23
1 Hierarchy of Urban Centres in Sabah 25
Gaim James Lunkapis

2 Squatters at the Gateway of Urban Malaysia 47
Wayne E. Rawlins and Dzurizah Ibrahim

3 Gender Conscious City Design, Planning and
Contents

Management: A Social Perspective 67
Sharifah Mariam Syed Mohammed Alhabshi

4 Consensus on Women’s Role: A Fuzzy Logic Approach 93
Puzziawati Ab. Ghani and Abdul Aziz Jemain

PART 2
SUSTAINABLE URBAN ENVIRONMENT 107

5 Sustainable Planning for Good Quality Urban Place: Its Implication on Making Kuala Lumpur City Centre a Liveable Urban Place 109
Kamariah Dola and Norsidah Ujang

6 Urban Land Use Change and the Langat Basin Ecosystem Health 125
Shaharudin Idrus and Abdul Samad Hadi

7 Water Supply Sustainability in the Light of Rapid Sprawling Urbanization in the Hulu Langat Area Selangor 148
Hamirdin Ithnin, Jamalia Jenni and Nik Nasriah Che Abdul Rahman

8 Measurement of the Wind Flow in the Residential Areas of Johor Bahru Metropolitan City: Towards Planning Guidelines for Energy Saving City in Malaysia 163
Muhammad Tetsu Kubota and Supian Ahmad

PART 3
URBAN INFRASTRUCTURE SERVICE AND MANAGEMENT 181

9 Guaranteeing the Sustainability of Putrajaya: A New Approach in Urban Planning with Special Reference to Public Transport Empowerment 183
Abd. Rahim Md. Nor

10 The Effectiveness of the Taxi Coupon System
Contents

67
at the Kuala Lumpur Sentral Station (KLSS) 207
*Nik Ibtisamiah Ibrahim and Jamilah Mohamad*

93
11 Commuting Distances of Industrial Workers:
Some Finding from the Pasir Gudang
Industrial Area, Johor 221
*Abdul Rahman Roslan and Jamilah Mohamad*

107
12 Dilapidated Buildings within Local Authorities
Jurisdiction: Whose Responsibility? 233
*Abdul Aziz Hussin, Wan Rafyah Wan Mohd. Zin
and Abdullah Mahmood*

PART 4
URBAN SYSTEMS ANALYSIS 247

13 Application of Information and Communication
Technology in Urban Planning and
Monitoring 249
*Ahris Yaakup, Susilawati Sulaiman and
Siti Zalina Abu Bakar*

14 Web Based GIS in Urban Planning Information
System (UPIS) 274
*Rosilawati Zainol*

15 Data Envelopment Analysis: A New Tool for
Evaluating the Relative Performance of Cities 290
*Muhammad Zaly Shah Muhammad Hussein*

List of Contributors 305

Index 309

vii
The Sustainable Urban Development Issues in Malaysia is a collection of articles written on selected sustainability issues illustrating the wealth of perspectives on the study of urban living, its problems and prospects for the urban futures in Malaysia. The book is aimed at sharing the knowledge, expertise and experience among researchers, practitioners, decision makers and all who could benefit or are interested to gain increased understanding of the various urban aspects. This would go a long way in contributing towards a more wholesome comprehension of issues pertinent to sustainable urban development in the country with a view towards formulating more effective and suitable approaches in dealing with them. This book on sustainable urban development issues in Malaysia is divided into four major themes as follows: Settlement Patterns and Urban Social Planning; Sustainable Urban Environment; Urban Infrastructure Services and Management; and Urban Systems Analysis.