

List of Figures

Figure 1.1	Study Area for the Basic Concept Plan	3
Figure 2.1	Sites of Main Development Project	5
Figure 2.2	Deforestation in Borneo Island	6
Figure 2.3	Map of Proposed Heart of Borneo Area	7
Figure 2.4	Map of Temburong District	8
Figure 2.5	Map of along Jalan Labu area	9
Figure 2.6	Route of Bandar Seri Begawan–Temburong Bridge	10
Figure 2.7	Perspective Image of Bandar Seri Begawan–Temburong Bridge	11
Figure 2.8	Unconstrained Land in Temburong District	12
Figure 2.9	Development Areas Proposed in Temburong District Plan, 2006–2025	13
Figure 3.1	Eco Master Plan Vision of Temburong	15
Figure 3.2	Temburong’s Eco-Friendly Innovation Informs Borneo Island	16
Figure 3.3	Diverse Communities in Temburong	17
Figure 3.4	Connection between Research and Local Life	18
Figure 3.5	R&D and Educational Facility with Public Space	19
Figure 3.6	Forest Creative Village	19
Figure 3.7	Diagram of Carbon Neutral Development	20
Figure 3.8	Agroforestry	21
Figure 3.9	Self-Sufficient Circulation	21
Figure 3.10	Compact City	22
Figure 3.11	Eco-Friendly Lifestyle in Temburong	23
Figure 3.12	Learning Activities in Forest Area	24
Figure 3.13	Learning Tourism Elements and Smart Technology Showcase	25
Figure 3.14	Future of Temburong	26
Figure 3.15	Suitable Location for Development Hub	28
Figure 4.1	Rataie Residential Density	30
Figure 4.2	Condition of Bangar Growth Centre	32
Figure 4.3	Central Area of Bangar Town	33
Figure 4.4	Land Use Plan of Bangar Growth Centre	34
Figure 4.5	TCP Land Use Plan Proposal for Improvement	35

Figure 4.6	Land Use Plan in Bangar Growth Centre	36
Figure 4.7	Condition of Central Area	37
Figure 4.8	Location of Bustling Central Area	39
Figure 4.9	Creation of Bustling Central Area	39
Figure 4.10	Bustling Central Area	40
Figure 4.11	Residential Density in Cairns, Australia	41
Figure 4.12	Labu Growth Centre Land Use Plan	44
Figure 4.13	Labu Estate Growth Centre Zoning Plan	45
Figure 4.14	Labu Estate Growth Centre Land Use Plan	46
Figure 4.15	Labu Estate Growth Centre Conditions	47
Figure 4.16	Centre of Labu Estate Growth Centre	48
Figure 4.17	Labu Estate Growth Centre	49
Figure 4.18	Public Space between R&D and University	50
Figure 5.1	Economic Conditions in Brunei Darussalam	52
Figure 5.2	Change in Energy Production Volume and Export Volume in Brunei Darussalam	53
Figure 5.3	Change in Energy Consumption	53
Figure 5.4	Hydrogenation Plant in Brunei Darussalam and Dehydrogenation Plant in Kawasaki	55
Figure 5.5	System Configuration	57
Figure 5.6	Hydrogen Production and Supply Facility	57
Figure 5.7	Proposed Renewable Energy Use in Brunei Darussalam	59
Figure 5.8	The Roadmap of the Realisation of Eco Town	59
Figure 5.9	Renewable Energy and Hydrogen Energy Showcase in Gate Zone	60
Figure 5.10	Effects of Introduction of Renewable Energy and Hydrogen Energy	61
Figure 5.11	Domestic and International Development of Hydrogen	62
Figure 6.1	Mobility Network of Temburong District	64
Figure 6.2	Condition of Gate Zone	65
Figure 6.3	Gate Zone	66
Figure 6.4	Mobility Hub Zone Design.....	67
Figure 6.5	Mobility Hub Zone	68
Figure 6.6	Nature Amusement Park Zone	69
Figure 6.7	Agro Park Zone	70
Figure 6.8	Resort and Convention Zone	71

Figure 6.9	APEC Economic Leaders' Meeting, Da Nang, 2017	71
Figure 6.10	Eco Residential Zone	72