

LIST OF FIGURES

Figure 1.1	: The Research Problems, Research Gaps and Solution	10
Figure 1.2	: The Thesis Structure	19
Figure 2.1	: Underlying concept of sustainable development – TBL Model	23
Figure 2.2	: Strong Sustainability Model	28
Figure 2.3	: Project Management Process Group	73
Figure 2.4	: Process Groups Interact in a Phase or Project	74
Figure 2.5	: Linear Project Life Cycle and Product Life Cycle	75
Figure 2.6	: Single Phase of Project	77
Figure 2.7	: A Project with Overlapping Phases	77
Figure 2.8	: Strategies of Integrating Sustainability Principles into the Project Planning Process	92
Figure 2.9	: Sustainability Principles and Successful Project Performance	98
Figure 2.10	: Theoretical Framework of Sustainability Principles of Building, the Integration Strategies into the Project Planning Process and their Impact Towards Project Success	100
Figure 3.1	: Global and National Movement of Sustainable Development	111
Figure 3.2	: Malaysian Sustainable Project Flow Chart	125
Figure 3.3	: Planning Submission and Building Plan Approval Process	126
Figure 3.4	: Integrating sustainability into the project planning process towards achieving successful project performance	135
Figure 4.1	: Stages of Research	139
Figure 4.2	: The Research Model for Developing the Sustainability Integration Framework into the Project Planning Process	140
Figure 4.3	: Neumann’s Continuum of Degrees or Range of Participation in Decision Making	148
Figure 4.4	: Case Study Method: The Replication Logic Approach of this Research	161
Figure 4.5	: Summary of the Research Methodology	164
Figure 5.1	: Respondents’ feedback on sustainability integration into the whole life of building through planning process.	170
Figure 5.2	: Respondent’s feedback on the benefit of sustainability integration into the planning process towards successful building project performance	171
Figure 5.3	: Summary of respondents’ feedback on the benefit of sustainability integration into the planning process towards successful building performance	171
Figure 5.4	: The Relationship between Problems	177
Figure 6.1	: Sustainability Integration and the Project Performances	253
Figure 7.1	: Graphical Presentation of the Proposed Framework	270

