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