

LIST OF TABLES

Table I-1. Error Data Project Monitoring Maintenance	3
Table I-2. Problem Background Identification	4
Table I-3. Alternative Solution.....	7
Table II-1. Identification of Framework Selection.....	21
Table II-2. Review Journal References (Main References)	23
Table II-3. Review Journal References (Second).....	25
Table II-4. Review Journal References (Third)	26
Table II-5. Review Journal References (Fourth).....	28
Table II-6. Key Contributions	29
Table III-1. Secondary Data Information.....	35
Table III-2. Primary Data Information.....	35
Table III-3. Example of Open-Ended Questionnaire	36
Table III-4. Example of Need Statement Questionnaire Questions	37
Table III-5. Data Processing Level 1 QFD	38
Table III-6. Low-Fidelity Prototype Description	39
Table III-7. Identification of Integrated System	41
Table IV-1. Project Information	42
Table IV-2. Role and Responsibilities Description	47
Table IV-3. Key Summary of Open-Ended Questionnaires.....	48
Table IV-4. Need Statement	50
Table IV-5. Need Statement Dimensions	51
Table IV-6. Technical Response.....	53
Table IV-7. Technical Specifications	55
Table IV-8. Weighted Average Performance (WAP) Satisfaction.....	57
Table IV-9. Weighted Average Performance (WAP) Importance.....	57
Table IV-10. Table Categorization Klein Grid Matrix	58
Table IV-11. Planning Matrix.....	59
Table IV-12. Relationship Score Description.....	61
Table IV-13. Need Statements and Technical Response Relationship (T1 to T14)	61

Table IV-14. Need Statements and Technical Response Relationship (T15 to T28)	63
Table IV-15. Relationship Symbol Description	64
Table IV-16. Contribution Value (T1 to T14)	66
Table IV-17. Contribution Value (T15 to T28)	68
Table IV-18. House of Quality (HoQ) Results (T1 to T14)	69
Table IV-19. House of Quality (HoQ) Results (T15 to T28)	70
Table IV-20. PMIS Features Prioritization Results.....	71
Table IV-21. Design Visibility	73
Table IV-22. Design Principles	73
Table IV-23. Verification Results	85
Table V-1. Validation Table.....	88
Table V-2. House of Quality (HoQ) Contribution Values	92
Table V-3. Features Input-Output Process	95
Table V-4. Advantages and Disadvantages of the Low-Fidelity Prototype	100
Table V-5. System Format Comparison	102
Table V-6. Estimated Timeline Implementation	103