

## TABLE OF CONTENTS

ABSTRACT .....	iv
PROLOGUE .....	vi
TABLE OF FIGURE .....	x
TABLE OF TABLE .....	xii
GLOSSARY .....	xiv
CHAPTER I PRELIMINARY .....	2
I.1 Background .....	2
I.2 Problem Formulation .....	3
I.3 Research Objectives .....	3
I.4 Research Limits .....	4
I.5 Benefits of research .....	4
I.6 Systematic research .....	4
CHAPTER II LITERATURE REVIEW .....	6
II.1 Previous Research .....	6
II.2 Hospital .....	9
II.2.1 Sariningsih Hospital .....	10
II.2.2 Medical Services in Sariningsih Hospital .....	11
II.3 Enterprise .....	11
II.4 Enterprise Architecture .....	11
II.4.1 EA Framework .....	12
II.5 EA benefits for Hospitals .....	17
CHAPTER III RESEARCH METHODOLOGY .....	19
III.1 Conceptual Model .....	19
III.2 Systematic research .....	23
III.2.1 Initiation Stage .....	25

III.2.2 Identification Stage .....	25
III.2.3 Analysis and Design.....	25
CHAPTER IV ANALYSIS AND DESIGN.....	28
IV.1 Description of Research Object .....	28
IV.2 Organization Structure .....	30
IV.3 Vision and Mission .....	31
IV.4 Interviewees List .....	31
IV.5 Strategy and Planning .....	31
IV.6 Existing Technology Condition .....	31
IV.7 Strategy and Policy .....	32
IV.8 Existing Problem in Hospital .....	33
CHAPTER V IMPLEMENTATION AND EVALUATION .....	35
V.1 Preliminary Phase.....	35
V.1.1 Principle Catalog .....	35
V.2 Architecture Vision .....	46
V.2.1 Stakeholder Map Matrix.....	46
V.2.2 Value Chain Diagram.....	55
V.2.3 Solution Concept Diagram.....	55
V.2.4 Goal Diagram .....	56
V.2.5 Goal Catalog.....	57
V.2.6 Requirement Catalog.....	58
V.3 Business Architecture.....	61
V.3.1 Business Architecture Requirement .....	61
V.3.2 Business Footprint Diagram.....	62
V.3.3 Driver/Goal/Objective Diagram .....	63
V.3.4 Business Interaction Matrix .....	63
V.3.5 Functional Decomposition Diagram .....	65
V.3.6 Business Service / Function Catalog .....	66

V.3.7 Organization / Actor Catalog .....	66
V.3.8 Role Catalog .....	69
V.3.9 Actor /Role Matrix .....	83
V.3.10 Organizational Process Diagram .....	89
V.3.11 Business Process Overview Diagram.....	89
V.3.12 Process Flow Diagram .....	92
V.3.13 Gap Analysis .....	107
V. 4 Information System Architecture .....	109
V.4.1 Data Architecture .....	109
V.4.2 Application Architecture .....	122
V.5.1 Technology Architecture Requirement .....	133
V.5.2 Technology Standard Catalog .....	133
V.5.3 Technology Portfolio Catalog .....	135
V.5.4 Application Technology Matrix .....	138
V.5.5 Environment Location Diagram.....	139
V.5.6 Platform Decomposition Diagram .....	139
V.5.7 Gap Analysis Technology Architecture .....	140
V.6 Opportunities and Solution.....	143
V.6.1 Implementation Factor Assessment and Deduction Matrix .....	143
V.6.2 Consolidate Gaps and Solution Matrix .....	147
V.6.3 Project Catalog .....	154
V.6.4 Project Context Diagram .....	156
V.6.5 Benefit Diagram .....	157
V.7 Migration Planning.....	157
V.8 Validation of Enterprise Architecture Design .....	163
V.8.1 Feedback Architecture.....	163
CHAPTER VI CONCLUSION AND SUGGESTION.....	168
VI.1 Conclusion .....	168
VI.2 Suggestion.....	169
ATTACHMENT .....	172