

## TABLE OF CONTENT

TITLE.....	i
APPROVAL PAGE .....	ii
STATEMENT OF ORIGINALITY .....	iii
ABSTRACT.....	iv
PREFACE .....	v
TABLE OF CONTENT .....	vi
LIST OF FIGURES.....	x
LIST OF TABLES .....	xii
LIST OF ABBREVIATIONS .....	xiv
LIST OF APPENDIX .....	xv
LIST OF GLOSSARY .....	xvi
CHAPTER I INTRODUCTION .....	1
I.1.    Background.....	1
I.2.    Problem Statement.....	4
I.3.    Research Objective .....	4
I.4.    Problem Scope.....	4
I.5.    Research Beneficial .....	4
CHAPTER II LITERATURE STUDY .....	6
II.1.    Information System Strategic Planning.....	6
II.2.    Enterprise Architecture.....	6
II.3.    Framework.....	8
II.4.    TOGAF.....	12
II.5.    Mega Suite .....	15
II.6.    2 <sup>nd</sup> Revenue Division of DPPK Bandung Regency.....	15

<b>CHAPTER III METHODOLOGY .....</b>	<b>17</b>
III.1.    Conceptual Model.....	17
III.2.    Research Systematics.....	18
<b>CHAPTER IV IDENTIFICATION .....</b>	<b>23</b>
IV.1.    Research Object Description .....	23
IV.1.1.    DPPK General Overview .....	23
IV.1.2.    DPPK Vision .....	23
IV.1.3.    DPPK Mission .....	24
IV.1.4.    Organizational Structure.....	24
IV.1.5.    Organizational Issues.....	26
VI.2.    Identification of Business Architecture .....	27
IV.2.1.    Process Flow Diagram.....	27
VI.3.    Identification of Information System Architecture.....	49
IV.3.1.    Existing Application.....	49
IV.3.2.    Existing Data .....	50
VI.4.    Existing Technology Architecture .....	51
IV.4.1.    Existing Topology .....	51
IV.4.2.    Physical and Logical Technology Specification Existing .....	52
<b>CHAPTER V ANALYSIS AND DESIGN.....</b>	<b>56</b>
V.1.    Identify Problem and Architecture Target.....	56
V.2.    Preliminary Phase .....	59
V.2.1.    Principle Catalogue .....	60
V.3.    Architecture Vision .....	62
V.3.1.    Value Chain Diagram.....	62
V.3.2.    Stakeholder Map Matrix .....	64
V.3.3.    Solution Concept Diagram.....	67

V.4.	Business Architecture.....	69
V.4.1.	Organization/ Actor Catalogue .....	70
V.4.2.	Business Service/ Function Catalogue .....	73
V.4.3.	Business Interaction Matrix .....	75
V.4.4.	Actor/ Role Matrix .....	78
V.4.5.	Business Footprint Diagram.....	82
V.4.6.	Functional Decomposition Diagram .....	85
V.4.7.	Objective/ Requirement Catalogue .....	86
V.4.8.	Process Flow Diagram .....	87
V.4.8.1.	Business Process High Level Taxation Management 2 <sup>nd</sup> Revenue .....	87
V.4.8.2.	Business Process Taxation Planning 2 <sup>nd</sup> Revenue .....	88
V.4.8.3.	Business Process Taxation Organizing 2 <sup>nd</sup> Revenue .....	89
V.4.8.4.	Business Process Taxation Actuating 2 <sup>nd</sup> Revenue .....	95
V.4.8.5.	Business Process Taxation Monitoring 2 <sup>nd</sup> Revenue .....	99
V.4.8.6.	Business Process Taxation Controlling 2 <sup>nd</sup> Revenue.....	104
V.4.8.7.	System Process .....	106
V.4.9.	Gap Analysis .....	108
V.5.	Information System Architecture .....	109
V.5.1.	Data Architecture .....	112
V.5.1.1.	Data Entity – Data Component Catalogue.....	112
V.5.1.2.	Application Data Matrix .....	113
V.5.1.3.	Business Function Matrix .....	114
V.5.1.4.	Class Diagram.....	115
V.5.1.5.	Data Dissemination Diagram.....	116
V.5.2.	Application Architecture.....	118

V.5.2.1.	Application Portfolio Catalogue .....	118
V.5.2.2.	System/ Role Matrix .....	119
V.5.2.3.	System/ Function Matrix .....	119
V.5.2.4.	Application Communication Diagram.....	121
V.5.2.5.	Application Use Case Diagram.....	124
V.5.2.6.	Overview E-Tax System.....	125
V.5.3.	Gap Analysis .....	126
V.6.	Technology Architecture .....	130
V.6.1.	Topology Target.....	131
V.6.2.	Technology Standard Catalogue .....	133
V.6.3.	Technology Portfolio Catalogue .....	134
V.6.4.	System/ Technology Matrix .....	135
V.6.5.	Environments and Locations Diagram.....	136
V.6.6.	Platform Decomposition Diagram .....	138
V.6.7.	Gap Analysis .....	140
V.7.	Opportunities and Solutions .....	141
V.7.1.	Gap Analysis .....	141
V.7.2.	Roadmap .....	143
CHAPTER VI CONCLUSION AND SUGGESTION .....		145
VI.1.	Conclusion .....	145
VI.2.	Suggestion.....	146
BIBLIOGRAPHY .....		147