

TABLE OF CONTENTS

ABSTRACT	ii
VALIDITY SHEET	iv
ORIGINALITY DECLARATION PAGE.....	v
FOREWARD	vi
TABLE OF CONTENTS	vii
LIST OF FIGURES.....	x
LIST OF TABLES	xi
LIST OF ATTACHMENT.....	xiv
LIST OF ABBREVIATIONS	xv
CHAPTER I INTRODUCTION	16
I.1 Background	16
I.2 Problem Statement	22
I.3 Research Objectives	22
I.4 Research Benefits.....	22
I.5 Systematics of Writing.....	23
CHAPTER II LITERATURE REVIEW	25
II.1 Related literature.....	25
II.1.1 Project Management Literature Study	25
II.1.1.1 Projects	25
II.1.1.2 Project Manager.....	25
II.1.1.3 Project Competency Manager	26
II.1.1.4 Performance Assessment.....	27
II.1.1.5 Project Management Competency Development Framework (PMCDF®)	28
II.1.1.6 Project Manager Personal Competence.....	29

II.1.2 Study of Statistical Industrial Literature	29
II.1.2.1 Likert Scale.....	29
II.1.3 Studi Literature Operation Research.....	30
II.1.3.1 Analytical Hirarchy Priority (AHP)	30
II.1.3.3 Fiber to The Mobile.....	32
II.1.3.4 Fronthaul.....	33
II.1.3.5 Easy Macros	33
II.2 Reasons for Choosing Methods and Theories of Problem Solving	33
CHAPTER III PROBLEM SOLVING METHODOLOGY	39
III.1 Systematics of Problem Solving.....	39
III.1.1 Preliminary Stage.....	40
III.1.2 Data Collection and Management Phase	40
III.1.3 Data Analysis Phase.....	43
III.1.4 Conclusion Stage	44
III.2 Integrated System Identification.....	44
III.3 Research Limitations and Assumptions	46
CHAPTER IV INTEGRATED SYSTEM DESIGN.....	47
IV.1 Data Collection	47
IV.2 Data Processing.....	52
IV.2.1 Project Manager Personal Competency Weighting.....	52
IV.2.2 Measurement of Personal Competency Aspects	62
IV.2.2.1 Interpretation of Score Categories	62
IV.2.2.2 Cumulative Calculation Process of results from Respondents' Answers.....	63
IV.2.2.3 Results of Cumulative Calculation of Respondents' Answer Scores to Project Manager	67

IV.2.4 Project Manager Personal Competency GAP Measurement.....	77
IV.2.4.1 Project Manager Competency GAP Measurement Results	77
CHAPTER V ANALYSIS AND EVALUATION OF DESIGN RESULTS	80
V.1 Verification and Validation	80
V.1.1 Verification	80
V.1.2 Validation.....	81
V.2 Analysis of Project Manager Competency Weighted Results.....	83
V.3 Analysis of Project Manager Competency Level Results	87
V.4 Project Manager Competency Gap Analysis (GAP)	93
V.4 Development Proposal.....	100
CHAPTER VI CONCLUSIONS AND ADVICES	109
VI.1 Conclusion.....	109
VI.2 Advice	115
REFERENCES.....	117
ATTACHMENT	120