CONTENTS

		Page
Acknowle	dgement	iii
Abstract	in Thai	iv
Abstract	in English	v
Chapter 1	Introduction	1
1.1	Fixed Points of Some Generalized Contraction Mappings in Complete	
	Metric Spaces Endowed with Graphs	1
1.2	Best Proximity Point Theorems and Mean Nonexpansive Mappings	8
Chapter 2	2 Basic Concepts and Preliminaries	11
2.1	Metric Spaces	11
2.2	Some Useful Propositions and Lemmas in Metric Spaces	13
2.3	Normed Spaces and Banach Spaces	14
2.4	Graph Theory and Some Multivalued Nonself Generalized G -contraction	
	Mappings	18
2.5	Fixed Point Theorem for Mean Nonexpansive Mappings	19
2.6	A Characterization of Strictly Convex Spaces and Useful Properties	19
2.7	Cyclic Mappings and Couple Fixed Points	21
Chapter 3	3 Main Results	24
3.1	Fixed Point Theorems for Multivalued Nonself Kannan-Berinde Contrac-	
	tion Mappings in Complete Metric Spaces	24
3.2	Fixed Point Theorems for Multivalued Nonself Kannan-Berinde G -cont-	
	raction Mappings in Complete Metric Spaces Endowed with Graphs	34
3.3	Applications for Single Valued Nonself Kannan-Berinde G -contraction	
	Mappings in Complete Metric Spaces Endowed with Graphs	41
3.4	Best Proximity Point Theorems for Mean Nonexpansive mappings in Ba-	
	nach Spaces	47

Chapter 4 Conclusion	
4.1 Fixed Point Theorems	56
4.2 Best Proximity Points	57
4.3 Applications	58
Bibliography	60
List of Publication	
Curriculum Vitae	

ลิ**ปสิทธิ์มหาวิทยาลัยเชียงใหม**่ Copyright[©] by Chiang Mai University All rights reserved