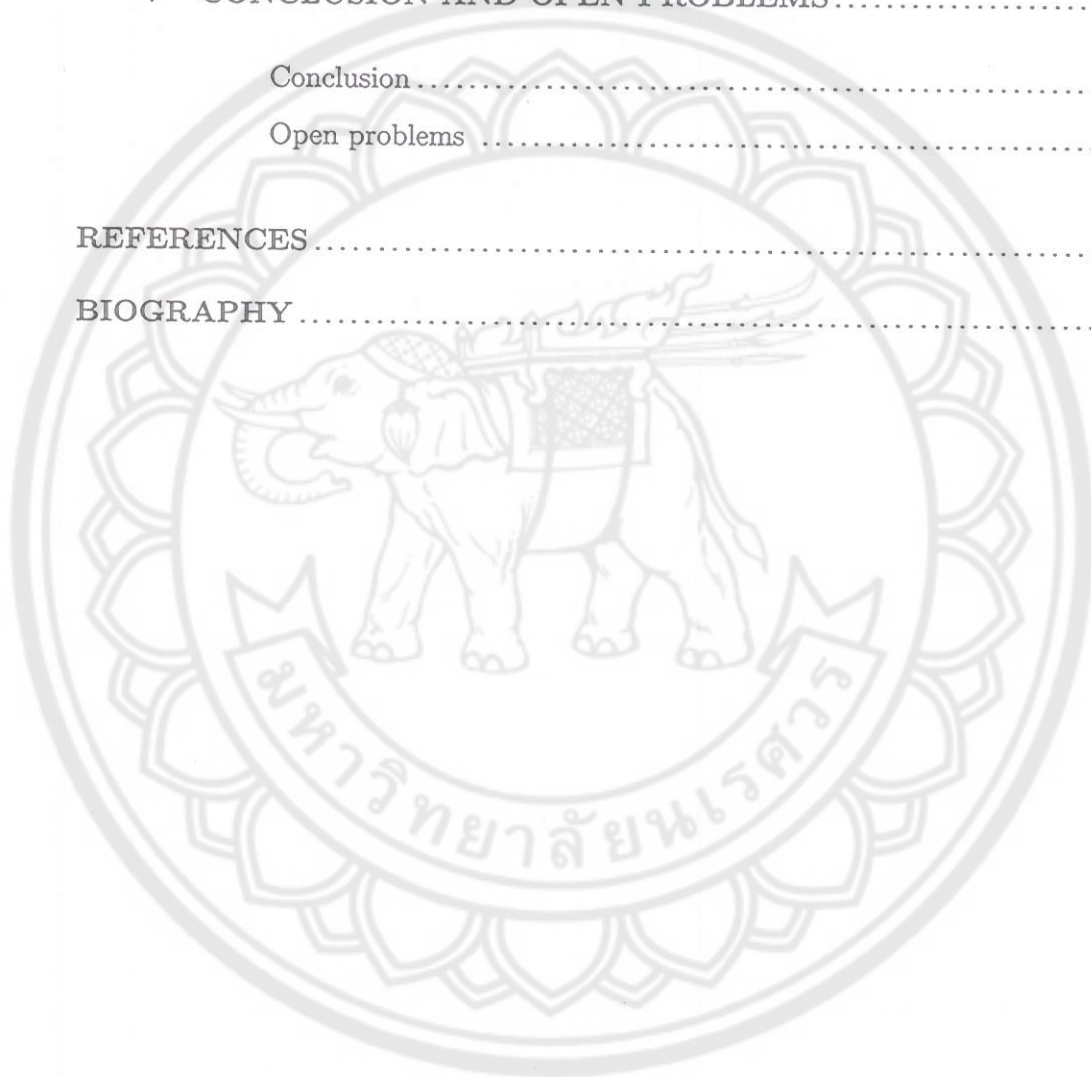


LIST OF CONTENTS

Chapter	Page
I INTRODUCTION.....	1
II PRELIMINARIES.....	5
Normed spaces and Banach spaces.....	5
Topological vector spaces	7
G -convex spaces.....	16
Multi-valued mappings.....	18
Fixed point theorems and vector equilibrium problems.....	21
III FIXED POINT PROBLEMS, EQUILIBRIUM PROBLEMS AND VECTOR QUASI-EQUILIBRIUM PROBLEMS..	25
On the existence results for system of generalized strong vector quasi-equilibrium problems.....	25
Existence results of generalized vector quasi-equilibrium problems in locally G -convex spaces.....	31
Existence solutions of vector equilibrium problems and fixed point of multi-valued mappings.....	41
The existence results for the new type of generalized strong vector quasi-equilibrium problems.....	49
IV VECTORIAL VERSION OF EKELAND VARIATIONAL PRINCIPLES AND SADDLE POINT PROBLEMS	56
Vectorial form of Ekeland-type variational principle.....	56
Existence theorems for the n -vectorial saddle point problems ...	64

LIST OF CONTENTS (CONT.)

Chapter	Page
V CONCLUSION AND OPEN PROBLEMS.....	76
Conclusion	76
Open problems	79
REFERENCES	81
BIOGRAPHY	89



LIST OF FIGURES

Figures	Page
1 Example 2.3.2.....	17
2 Example 3.3.3.....	45
3 Example 3.4.3.....	52

