

TABLE OF CONTENTS

	Page
ACKNOWLEDGEMENT	iii
ABSTRACT (English)	v
ABSTRACT (Thai)	vii
TABLE OF CONTENTS	ix
LIST OF TABLES	xiv
LIST OF FIGURES	xvii
CHAPTER 1 INTRODUCTION	1
1.1 Principles theory and rationale	1
1.2 Literature review	7
1.2.1 Conservation and sustainable use of medicinal plants	9
1.2.2 The Mien in Sancharurn Village and their health care system	11
1.2.3 Knowledge of the medicinal plants use by the Mien	13
1.2.4 Knowledge of the medicinal plants use by the Mien in Sancharurn Village	16

TABLE OF CONTENTS (CONTINUED)

	Page
1.2.5 Medicinal plants and their role in the primary health care of postpartum women in previous literature	16
1.2.6 Chemical constituents and biological activities of the Mien's medicinal plants	17
1.2.7 Literatures on clinical study of puerperal bacterial infection	29
1.2.8 Free radical, oxidative stress, and antioxidant activities	30
1.3 Conceptual framework	37
1.4 Research objectives	39
1.5 Scope of the Research	39
1.6 Operation definitions	40
CHAPTER 2 RESEARCH DESIGNS AND METHODS	41
2.1 Research designs	41
2.2 Materials, chemicals, and instruments	42
2.3 Methods	45

TABLE OF CONTENTS (CONTINUED)

	Page
c. Antimicrobial tests	140
d. Analysis of phytochemicals and their bioactivities of medicinal plants that were used in postpartum herbal bath recipes on health of postpartum women	141
3.2.2 Processing of participatory action research for conservation of medicinal plants use knowledge, and also medicinal plant diversity	148
3.2.2.1 Analysis of medicinal plant use knowledge management for conservation	156
3.2.2.2 Analysis of medicinal plant habitat management for medicinal plant conservation	159
3.2.2.3 Processing of implementation for <i>in situ</i> conservation and sustainable use of medicinal plants in this study	162
CHAPTER 4 CONCLUSION	175
REFERENCES	179
APPENDICES	221
APPENDIX A	222
APPENDIX B	224
APPENDIX C	226

TABLE OF CONTENTS (CONTINUED)

	Page
APPENDIX D	228
APPENDIX E	230
APPENDIX F	233
APPENDIX G	235
CURRICULUM VITAE	245