



Universiteit  
Leiden  
The Netherlands

**Kearifan Kesehatan Lokal: indigenous medical knowledge and practice for integrated nursing of the elderly with cardiovascular disease in Sumedang, West Java: towards transcultural nursing in Indonesia**  
Susanti, R.D.

**Citation**

Susanti, R. D. (2023, December 8). *Kearifan Kesehatan Lokal: indigenous medical knowledge and practice for integrated nursing of the elderly with cardiovascular disease in Sumedang, West Java: towards transcultural nursing in Indonesia*. *Leiden Ethnosystems and Development Programme Studies*. Retrieved from <https://hdl.handle.net/1887/3666206>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3666206>

**Note:** To cite this publication please use the final published version (if applicable).

***Kearifan Kesehatan Lokal:***  
Indigenous Medical Knowledge and Practice for Integrated Nursing of the Elderly  
with Cardiovascular Disease in Sumedang, West Java:  
*Towards Transcultural Nursing in Indonesia*



***Kearifan Kesehatan Lokal:***  
Indigenous Medical Knowledge and Practice for Integrated Nursing of the Elderly  
with Cardiovascular Disease in Sumedang, West Java:  
*Towards Transcultural Nursing in Indonesia*

Proefschrift

ter verkrijging van  
de graad van Doctor aan de Universiteit Leiden,  
op gezag van rector magnificus prof.dr.ir. H. Bijl  
volgens besluit van het college van promoties  
te verdedigen op vrijdag 8 december 2023  
klokke 12:30 uur

door

**Raini Diah Susanti**

geboren te Sumedang, Indonesië

in 1978

**Promotor:** Prof. dr. H.P. Spaink  
**Co-Promotor:** Prof. dr. dr. (H.C.) L.J. Slikkerveer

**Promotiecommissie:** Prof. dr. A.H. Meijer  
Prof. dr. E.F. Smets  
Prof. dr. P.J.A. Kessler  
Prof. dr. B. Gravendeel  
Dr. E.F.L Dubois (Hyperbaar Geneeskundig Centrum Rijswijk - HGC)  
Dr. K. Saefullah (Universitas Padjadjaran, Bandung, Indonesië)

This study has been made possible thanks to the gracious support of the Leiden Ethnosystems And Development Programme (LEAD).

Also, the Ministry of Higher Education, Research and Technology in Jakarta, Indonesia and Universitas Padjadjaran in Bandung, Indonesia have kindly supported several years of my study and repeated visits to the research area of Sumedang in the Sunda Regency of West Java, Indonesia.

***Kearifan Kesehatan Lokal:*** Indigenous Medical Knowledge and Practice for Integrated Nursing of the Elderly with Cardiovascular Disease in Sumedang, West Java: *Towards Transcultural Nursing in Indonesia*

**Raini Diah Susanti**

Leiden Ethnosystems And Development Programme (LEAD) Studies No. 14  
Faculty of Science, Leiden University, The Netherlands.

ISBN: 978-94-6473-317-4

Cover Sketch & Design: Herra Pahlasari

The Cover symbolises various way of indigenous medical knowledge application in the community's daily life.

Printed by: Ipskamp Printing, Amsterdam.

Copyright © Raini Diah Susanti

With the exception of brief citations, no part of this book may be reproduced, transmitted or utilised in any form or by any means, electronic or mechanical, including photocopying and recording, as well as any information storage system, without the written permission from the copyright owner.

This dissertation is dedicated to my late beloved parents who are already happy in heaven, and to my beloved husband, Budi Satia Nugraha, who kindly accepted the temporary absence of his wife and children during my studies at Leiden and for his continued support and love throughout my PhD journey, and to my two dear children, Fatimah Kamila Luthfiah and Muhammad Hasan Nasrullah, who were so understanding and independent when their mother was conducting her PhD research, and to my extended family, who always prayed and encouraged me.





# Contents

<b>List of Tables</b>	xv
<b>List of Figures</b>	xvii
<b>List of Illustrations</b>	xviii
<b>List of Maps</b>	xix
<b>Abbreviations</b>	xix
<b>CHAPTER I INTRODUCTION</b>	<b>1</b>
<b>1.1 The Development of Community Nursing in Indonesia</b>	<b>1</b>
1.1.1 The Development from Public Health to Community Health	1
1.1.2 The Epidemiological Transition and Primary Health Care	4
1.1.3 The Impact of Increasing Cardiovascular Disease on the Elderly	6
1.1.4 From Community Nursing to Nursing of the Elderly	8
<b>1.2 The Plural Medical System (PMS) in Indonesia</b>	<b>10</b>
1.2.1 Complementary Medical Systems and Nursing Sub-Systems	10
1.2.2 The Plural Nursing Sub-System: Nursing Institutions & Organisations	12
1.2.3 The Traditional Nursing Institution: <i>Perawatan Traditional</i> (TNI)	14
1.2.4 The Transitional Nursing Organisations (TNO)	16
1.2.5 The Modern Nursing Organisations (MNO)	17
<b>1.3 The Challenge of Transcultural Nursing of the Elderly</b>	<b>18</b>
1.3.1 The Primary Nursing Approach of the Elderly	18
1.3.2 The Need for Integration of Transcultural Nursing	21
1.3.3 Comparative Nursing Utilisation Research for Policy Planning	23
<b>1.4 Aim, Objectives and Structure of the Study</b>	<b>24</b>
1.4.1 General Aim	24
1.4.2 Specific Objectives	25
1.4.3 Structure and Organisation of the Study	25
<b>CHAPTER II THEORETICAL ORIENTATION</b>	<b>27</b>
<b>2.1 Medical Pluralism and Nursing Utilisation</b>	<b>27</b>
2.1.1 The Concept of Medical Pluralism	27
2.1.2 Ethnoscience and Indigenous Knowledge Systems (IKS)	29
2.1.3 The Importance of Indigenous Medical Knowledge Systems	31
<b>2.2 The Concept of Transcultural Nursing</b>	<b>33</b>
2.2.1 The Development of Transcultural Nursing	33
2.2.2 Cultural Competencies in Nursing	36
<b>2.3 The Plural Nursing System of the Elderly with Cardiovascular Disease</b>	<b>37</b>
2.3.1 Traditional Nursing Institutions of the Elderly with CVD	39
2.3.2 Transitional Nursing Institutions of the Elderly with CVD	42
2.3.3 Modern Nursing Organisations of the Elderly with CVD	43

<b>CHAPTER III RESEARCH METHODOLOGY AND ANALYTICAL MODEL</b>	45
<b>3.1 Research Methods &amp; Techniques</b>	45
3.1.1 The ' <i>Leiden Ethnosystems</i> ' Approach'	45
3.1.2 The Selection of the Research Setting	48
3.1.3 The Selection of the Sample Survey	48
<b>3.2 Complementary Qualitative and Quantitative Surveys</b>	49
3.2.1 Preparation of the Research Instrument	49
3.2.2 The Qualitative Study in the Research Setting	49
3.2.3 The Quantitative Study in the Research Setting	50
3.2.4 The Conceptual Model of Utilisation Behaviour Analysis	50
<b>3.3 The Conceptual Model of Utilisation Behaviour Analysis</b>	52
3.3.1 The Analysis of Nursing Utilisation Behaviour	52
3.3.2 The Conceptual Model of the Utilisation of the Plural Nursing System	53
3.3.3 Operationalisation of the Model of the Plural Nursing System	55
<b>3.4 Stepwise Statistical Analysis</b>	68
3.4.1 Bivariate and Mutual Correlations Analyses	68
3.4.2. Multivariate of Non-Linear Canonical Correlation Analysis	69
3.4.3 Multiple Regression Analysis	70
<b>CHAPTER IV RESEARCH SETTING: INDONESIA AND SUMEDANG</b>	71
<b>4.1 Indonesia: A Country of Great Cultural Diversity</b>	71
4.1.1 Geographical and Historical Background	71
4.1.2 Socio-Demography of Indonesia	72
4.1.3 Cultural Diversity in Indonesia	73
<b>4.2 The Province of West Java: <i>Tanah Priangan</i></b>	74
4.2.1 Socio-Geographic Profile of West-Java Province	74
4.2.2 Historical Background of Tatar Sunda, Parahiyangan	75
4.2.3 The Cultural Life of the Sundanese People	76
<b>4.3 Sumedang: The Centre of West Javanese Cultural Heritage</b>	81
4.3.1 Geographical and Historical Background of Sumedang	81
4.3.2 The Socio-Demography of Sumedang	83
4.3.3 The Center of West Javanese Cultural Heritage	85
<b>CHAPTER V LIFE IN THE COMMUNITIES OF SUMEDANG</b>	89
<b>5.1 The Study Population and Sample Survey</b>	89
5.1.1 The Study Population in Sumedang	89
5.1.2 The Sample Surveys of the Four Villages	89
<b>5.2 Characteristics of the Four Selected Villages</b>	89
5.2.1 Geographic, Socio-Demographic and Socio-Economic Characteristics	89
5.2.2 Education, Profession and Religion Profile	99

<b>5.3</b>	<b>The Plural Nursing Institutional System in Four Villages</b>	100
5.3.1	The Traditional Nursing Institutions (TNI)	100
5.3.2	The Transitional Nursing Organisations (TNO)	102
5.3.3	The Modern Nursing Organisations (MNO)	104
 <b>CHAPTER VI NURSING OF THE ELDERLY WITH CARDIO- VASCULAR DISEASE (CVD)</b>		 107
<b>6.1</b>	<b>Cardiovascular Disease Among the Elderly</b>	107
6.1.1	Increasing Prevalence of CVD with Aging	107
6.1.2	Age-Related Condition in Vascular Structure and Function	109
6.1.3	Types of Cardiovascular Disease among the Elderly	111
6.1.4	Cardiovascular Disease Control in Indonesia	112
<b>6.2</b>	<b>The Plural Nursing System in Indonesia</b>	114
6.2.1	Traditional Nursing Institutions (TNI)	114
6.2.2	Transitional Nursing Organisations (TNO)	115
6.2.3	Modern Nursing Organisations (MNO)	118
6.2.4	The Integration of <i>Kearifan Kesehatan Lokal</i> into Transcultural Nursing	122
 <b>CHAPTER VII THE TRADITIONAL NURSING INSTITUTIONS</b>		 125
<b>7.1</b>	<b>The Sundanese Indigenous Knowledge System</b>	125
7.1.1	Cosmology and Belief of the Sundanese People	125
7.1.2	The Sundanese People's Notion of Indigenous Knowledge	127
7.1.3	The Way of Life of the Sundanese People	128
<b>7.2</b>	<b>The Sundanese Concept of Health and Disease</b>	130
7.2.1	The Sundanese People's View of Health and Illness	130
7.2.2	Influence of Animism and Hinduism on Illness Perception	132
7.2.3	<i>Ubar Kampung</i> : Sundanese Indigenous Herbal Medicines for CVD	133
7.2.4	Sundanese MAC Plants Used for Treatment of CVD	136
 <b>CHAPTER VIII UTILISATION OF PATTERNS OF THE PLURAL PLURAL NURSING INSTITUTIONAL SYSTEM</b>		 145
<b>8.1</b>	<b>Bivariate Analysis of the Utilisation of the Plural Nursing System</b>	145
8.1.1	Preparation of Data Analysis: Data Set and Variables	145
8.1.2	Selected Variables of the Utilisation of the Plural Nursing System	146
8.1.3	The Behavioural Patterns of the Plural Nursing System	149
8.1.4	Results of the Bivariate Analysis	153
<b>8.2</b>	<b>The Mutual Correlations Analysis</b>	167
8.2.1	Overview of Significant Variables	167
<b>8.3</b>	<b>The Multivariate Analysis: OVERALS</b>	170
8.3.1	The Non-Linear Canonical Correlation Analysis (OVERALS)	170
8.3.2	Projection of Variables and Object in Canonical Space	171
<b>8.4</b>	<b>Multiple Regression Analysis of Variables</b>	172
8.4.1	Analysis of the Model and Interpretation of Findings	172

<b>Chapter IX CONCLUSION AND RECOMMENDATIONS</b>	177
<b>9.1 Conclusions</b>	177
<b>9.2 Implication of the Research</b>	183
9.2.1 Theoretical Implications	183
9.2.2 Methodological Implications	184
9.2.3 Practical Implications	184
<b>9.3 Recommendations</b>	185
9.3.1 A Model of an Integrated Nursing System	
9.3.2 Towards the Development of Transcultural Nursing in Indonesia	186
9.3.3 Policy Recommendations for Integrated Nursing Systems	187
<b>Bibliography</b>	189
<b>Summary</b>	205
<b>Samenvatting</b>	211
<b>Acknowledgements</b>	217
<b><i>Curriculum Vitae</i></b>	219

## List of Tables

Table 3.1	Distribution of Questionnaires	49
Table 3.2	Block 1 – Predisposing Factors: Socio-Demographic Factors	56
Table 3.3	Block 2 – Predisposing Factors: Psycho-Social Factors	57
Table 3.4	Block 3 – Perceived Morbidity Factors	59
Table 3.5	Block 4 – Enabling Factors	59
Table 3.6	Block 5 – Institutional Factors	60
Table 3.7	Block 6 – Environmental Factors	61
Table 3.8	Block 7 – Intervening Factors: Public and Private	62
Table 3.9	Block 8, Block 9, Block 10 Utilisation of the Plural Nursing System	68
Table 5.1	Village Samples of the Surveys in Sumedang of West-Java	89
Table 5.2	The Number of Inhabitant of Cipasang	94
Table 5.3	Distribution of the Gender of the Household Member of the Sample over the Four Research Communities	96
Table 5.4	Distribution of the Age of the Household Member of the Sample over the Four Research Communities	96
Table 5.5	Distribution of the Relationship of the Household Member of the Sample over the Four Research Communities	98
Table 5.6	Distribution of the Size of the Household of the Sample over the Four Research Communities	98
Table 5.7	Distribution of the Education of the Household Member of the Sample over the Four Research Communities	99
Table 5.8	Distribution of the Religion of the Household Member of the Sample over the Four Research Communities	99
Table 5.9	Distribution of the Profession of the Household Member of the Sample over the Four Research Communities	99
Table 7.1	List of MAC Plants used as <i>ubar kampung</i> ('Sundanese indigenous herbal medicines') for Treatment of CVD in Sumedang	137
Table 8.1	Distribution of the Questionnaire the Questionnaires over Four Villages of Sumedang also indicating the Time of the Interviews	146
Table 8.2	Distribution of the Household Samples based on the Villages over the Geographic Area of the Samples and the Number of Distributed Samples	146
Table 8.3	Distribution of the Sample Villages over the Dependent Variable of the Utilisation of the Plural Nursing System (N=345)	147
Table 8.4	Range of Significant Values and its Interpretation	147
Table 8.5	List of Categories or Blocks of the Variables and Variable Labels Selected on the Basis of the Results of the Qualitative Research for the Stepwise Analysis of Quantitative Data	148
Table 8.6	Categories of patients from the survey distributed according to the reported Type of Action or Non-action taken to obtain Treatment during the preceding twelve months	149
Table 8.7	First-step Utilisation of the Plural Nursing System by the Action Patients during the Preceding Twelve Month	150
Table 8.8	Number of Reported Steps Taken by the 263 Action Patients during the Preceding Twelve Months	150
Table 8.9	Flow-Through Chart of Patients: Illness Behaviour of the 267 Patients of the Sample and the Resulting Total Number of 586 Utilisation Rates, Distributed over the Three Plural Nursing Systems in Sumedang	150

Table 8.10	Frequency of the Utilisation of the Plural Nursing System by the 263 Action Patients in Sumedang (N=586)	151
Table 8.11a	Distribution of the Socio-Demographic Variable of ‘Household Relationship’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	153
Table 8.11b	Distribution of the Socio-Demographic Variable of ‘Gender’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	153
Table 8.11c	Distribution of the Perceived Morbidity Variables of Respondents of the Sample over the Dependent Variables (N= 586)	154
Table 8.11d	Distribution of the Socio-Demographic Variable of ‘Age’ of the Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	154
Table 8.11e	Distribution of the Socio-Demographic Variable of ‘Profession’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	155
Table 8.11f	Distribution of the Socio-Demographic Variable of ‘Vaccination History’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	155
Table 8.11g	Distribution of the Socio-Demographic Variable of ‘Length of CVD’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	156
Table 8.12a	Distribution of the Psycho-Social Variable of ‘Knowledge of CVD’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	156
Table 8.12b	Distribution of the Psycho-Social Variable of ‘Knowledge of Traditional Nursing Institution’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	157
Table 8.12c	Distribution of the Psycho-Social Variable of ‘Knowledge of Traditional Nursing Institutions for CVD’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	157
Table 8.12d	Distribution of the Psycho-Social Variable of ‘Knowledge of Transitional Nursing Organisations’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	158
Table 8.12e	Distribution of the Psycho-Social Variable of ‘Knowledge of Transitional Nursing Organisations for CVD’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	158
Table 8.12f	Distribution of the Psycho-Social Variable of ‘Belief in Traditional Nursing Institution as a Prevention of CVD’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural System (N=586)	159
Table 8.12g	Distribution of the Psycho-Social Variable of ‘Belief in Traditional Nursing Institution as a Treatment of CVD’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	159

Table 8.13	Distribution of the Perceived Morbidity Variable of ‘Perceived General Health Status’ of Respondents of the Sample over the Dependent Variables of the Utilisation of the Plural Nursing System (N=586)	160
Table 8.14a	Distribution of the Enabling Variable of ‘Monthly Income of Household Head’ of Respondents of the Sample over the Dependent Variables (N=586)	160
Table 8.14b	Distribution of the Enabling Variable of ‘Cost of the Transitional Nursing Organisations’ of Respondents of the Sample over the Dependent Variables (N=586)	161
Table 8.14c	Distribution of the Enabling Variable of ‘Transport Cost of the Modern Nursing Institution’ of Respondents of the Sample over the Dependent Variables (N=586)	161
Table 8.14d	Distribution of the Enabling Variable of ‘Health Insurance Ownership’ of Respondents of the Sample over the Dependent Variables (N=586)	162
Table 8.15a	Distribution of the Institutional Variable of ‘Availability of the Transitional Nursing Organisations’ of Respondents of the Sample over the Dependent Variables (N=586)	162
Table 8.15b	Distribution of the Institutional Variable of ‘Geographical Distance to Modern Nursing Organisations’ of Respondents of the Sample over the Dependent Variables (N=586)	163
Table 8.15c	Distribution of the Institutional Variable of ‘Zonation Location of the Community’ of Respondents of the Sample over the Dependent Variables (N=586)	163
Table 8.16a	Distribution of the Intervening Variable of ‘Government/Public Regulations Influencing Utilisation of Modern Nursing Organisations for Prevention of CVD’ of Respondents of the Sample over the Dependent Variables (N=586)	164
Table 8.16b	Distribution of the Intervening Variable of ‘Home Nursing Promotion by the Government’ of Respondents of the Sample over the Dependent Variables (N=586)	164
Table 8.16c	Distribution of the Intervening Variable of ‘Modern Nursing Promotion by the Government’ of Respondents of the Sample over the Dependent Variables (N=586)	165
Table 8.16d	Distribution of the Intervening Variable of ‘Government/Public Promotion Influencing Utilisation of Modern Nursing Organisations for CVD’ of Respondents of the Sample over the Dependent Variables (N=586)	165
Table 8.16e	Distribution of the Intervening Variable of ‘Impact of Government/Public Promotion Influencing Utilisation of Modern Nursing Organisations for CVD’ of Respondents of the Sample over the Dependent Variables (N=586)	166
Table 8.17	Component Loadings of the Two Sets of Variables with a Total of 25 Variables on Two Dimensions (N=856)	170
Table 8.18	Distribution of the Strongest Correlated Variables to People’s Behaviour in the Utilisation of Plural Nursing System in Sumedang (N= 586)	171
Table 8.19	List of Multiple Correlation Coefficients ( $\rho$ ) calculated by means of a Multiple Regression Analysis of Ten Blocks of Factors on Two Dimensions (N=856)	174



## List of Figures

Figure 1.1	Number of Patients in the Outpatient Clinics of STOVIA, 1890-192	2
Figure 1.2	Model of the Plural Medical System, Nursing Sub-Systems & Nursing Institutions/Organisations in Indonesia	11
Figure 2.1	The Sunrise Enabler Model	35
Figure 3.1	The Conceptual Model of the Utilisation of the Plural Nursing System in Sumedang	54
Figure 6.1	The Framework of Nursing Services in Indonesia	120
Figure 7.1	<i>Madhab papat kalima pancer (Kolenjer or Palintangan)</i>	129
Figure 8.1	Decision Tree Showing the Movement of Patients in the Survey Through the Plural Nursing System in Sumedang	152
Figure 8.2	Model of the Mutual Correlations Analysis of the Blocks of Variables	169
Figure 8.3	Plot of Component Loading Analysis (OVERALS) for the Utilisation of the Plural Nursing System in Sumedang	172
Figure 8.4	The Final Model of Utilisation Behaviour of the Plural Nursing System	176
Figure 9.1	A Schematic Representation of the Proposed Model of Integrated Nursing System	186

## List of Illustrations

Illustration 1.1	Outpatient Eye Clinic in Weltevreden around 1920	1
Illustration 1.2	Samples of Transitional Medicines for Backache and Rheumatism Found in the Market and Sold by Drug Vendors	16
Illustration 4.1	Ceremony of <i>Turun Jimat</i> ('Ritual of the Talisman')	79
Illustration 4.2	Circumsiced Bride Celebration by Riding <i>Kuda Renggong</i>	80
Illustration 4.3	<i>Siger</i> and <i>Mahkota Binokasih</i> ('Binokasih Crowns')	81
Illustration 4.4	Monument of <i>Mahkota Binokasih</i> in Sumedang	82
Illustration 4.5	<i>Pencak Silat</i> ('Martial Art Performance')	85
Illustration 4.6	<i>Kuda Renggong</i> ('Dancing Horse'), A Typical Sumedang Art Performance	86
Illustration 4.7	<i>Upacara Kirab Panji Keraton</i> ('Parade of Kingdom Flags Ritual')	87
Illustration 5.1	Typical House in Jayamekar	92
Illustration 5.2	The Process of Making <i>Oyek</i> ('Traditional Food of the Village')	94
Illustration 5.3	Office of <i>Kelurahan Situ</i>	95
Illustration 5.4	Elderly Meeting at the Village Hall in Cipasang	97
Illustration 5.5	Mosque in Jayamekar	100
Illustration 5.6.	Traditional Healer Giving Treatment to a Client in his House in Jayamekar	101
Illustration 5.7	The <i>Jamu</i> ('traditional Herbal Medicines') Kiosk	101
Illustration 5.8	A <i>Jamu Gendong</i> ('Herbal Medicines Peddler') Selling <i>Jamu</i> Door-To-Door	102
Illustration 5.9	<i>Warung Obat</i> at the Village	103
Illustration 5.10	Drug Store or <i>Apotek</i> at the Village	104
Illustration 5.11	<i>Pos Kesehatan Desa (Poskesdes)</i> Village Health Post in Jayamekar	104
Illustration 5.12	<i>Puskesmas Pembantu</i> ('Auxiliary Public Health Center') in Cibugel	105
Illustration 7.1	The Local Traditional Healer Bapak Ajat and his Wife Collecting <i>Antanan Bodas Ageun (Centella Asiatica (L.))</i> for <i>Ubar Kampung</i>	133
Illustration 7.2	Bapak Ajat, a Traditional Healer Consumes <i>Ubar Kampung</i> ('Sundanese Indigenous Herbal Medicines') to Maintainh His Health	134

Illustration 7.3	A Village Woman Collecting <i>Annona Muricata Linn</i> to Prepare <i>Ubar Kampung</i> ('Sundanese Indigenous Herbal Medicines')	135
Illustration 7.4	MAC Plants Used as <i>Landong</i> or <i>Ubar Kampong</i> ('Sundanese Indigenous Herbal Medicines') for the Treatment of CVD in Sumedang	143

## List of Maps

Map 4.1	Map of the Location of ethno-cultural Groups in Indonesian	74
Map 4.2	Map of the <i>Sumedanglarang</i> Kingdom	83
Map 5.1	Map of Jayamekar	91
Map 5.2	Map of Cipasang	93

## Abbreviations

BMI	Body Mass Index
BMKG	Meteorology Climatology and Geophysics Council
BPS	Central Statistic Agency
CAM	Complementary Alternative Medicine
CHD	Coronary Heart Disease
CHF	Congestive Heart Failure
CIKARD	Center for Indigenous Knowledge for Agriculture and Development
CIRAN	Center for International Research and Advisory Networks
COPD	Chronic Obstructive Pulmonary Disease
CVD	Cardiovascular Disease
Depkes RI	Indonesian Ministry of Health
EEZ	Exclusive Economic Zone
EGF	Epidermal Growth Factor
FES	Field of Ethnological Study
HD	Historical Dimension
HIC	High Income Country
IKS	Indigenous Knowledge System
KMS <i>Lansia</i>	Health Card for the Elderly
LAX	Left Axis Deviation
LEAD	Leiden Ethnosystems And Development Programme
LMIC	Low and Middle Income Country
LV	Left Ventricle of the Heart
MAC	Medical Aromatic Medicine
MDG	Millennial Development Goals
MI	Myocardial Infarction
NHCS	National Health Care Delivery System
NIAS	<i>Nederlands Indische Artsan School</i>
MNO	Modern Nursing Organisation
OTC	Over-the-Counter
PGR	Personal Growth Rate
PKK	Family Planning and Welfare Education Programme
PMKD	Village Community Health Development
PMS	Plural Medical System
PR	PR Interval Wave on Electrocardiogram

PTM	<i>Penyakit Tidak Menular</i> ('Non Communicable Disease')
PV	Participant's View
QRS	Complex Wave on Electrocardiogram
QT	Interval Wave on Electrocardiogram
RPJP-K	Health Long Term Development Plan
RPJP-N	National Long Term Development Plan
SDG	Sustainable Development Goals
SES	Socio Economic Status
SIRS	Hospital Information System
SKN	National Health Care Delivery System
SPSS	Statistical Package for the Social Sciences
STOVIA	<i>School Tot Opleiding van Indische Artsen</i>
TCNS	Transcultural Nursing Society
TGF	Transforming Growth Factor
P4K	Maternity Complication Planning and Prevention Programme
TM	Traditional Medicine
TNI	Traditional Nursing Institution
TNO	Transitional Nursing Organisations
TOGA	Family Medicine Garden
UHH	Life Expectancy
UNFPA	United Nations Population Fund
WHO	World Health Organisation