

The Study on Medicinal Flora of Several Uninhabited Islands in Jindo-gun, Chonnam province

Hyo-Sik Yang*, Jong-Wook Kim and Man-Ho Oh¹⁾

*Department of Biology, Mokpo National University

¹⁾TS Corporation R&D Center, 6-14 1Ka, Buksung-Dong, Jung-Gu, Incheon 400-201, Korea

ABSTRACT

The medicinal plants in 22 uninhabited islands of Jindo-gun, Chonnam province were investigated from March 2000 to October 2002. The medicinal plants in 22 uninhabited islands of Jindo-gun were consisted 366 taxa; 95 families, 269 genus, 309 species, 52 varieties, 3 forma, and 2 subspecies. Important medicinal plants on survey area were *Lemnaphyllum microphyllum*, *Dendropanax morbifera*, *Ficus erecta*, *Farfugium japonicum*, *Machilus thunbergii*, *Juniperus chinensis* var. *procumbens*, *Dendrobium moniliforme*, *Pyrrhosia tricuspis*, *Cinnamomum japonicum*, *Pittosporum tobira*, *Kadsura japonica*, and *Daphniphyllum macropodum*. This result can be used as basic information data for medicinal research and the conservation of uninhabited islands.

Key Words : Uninhabited island, medicinal plants, conservation, flora, taxa

INTRODUCTION

The uninhabited islands of Shinan-gun and Jindo-gun in Southwestern sea are about 67% of it in the Korean peninsula. The uninhabited islands are special environments to plant species because they are far from lands and are exposed to a violent sea winds.

Plants grown on uninhabited islands have the different tolerance against environmental stress of land plants. These areas are suitable environments for growth of subtropical-temperature plants (Yim and Kira, 1975; Yim, 1977). The forests of these areas were widely damaged at the late 20th century because residents near these areas had been used the materials for construction, fishing grounds, room heating and

vessels construction(Chonnam, 1995; Kim, 1987; Kim *et al.*, 1980) Recently, the forests of these areas were restored due to replacement of new heating system of room by electric or oil and movement into inhabited islands. But the forest destruction of uninhabited islands have been accelerating by many anglers and grazing.

Thus, the policy of conservation must be established for special plants and medicinal plants on this area.

The studies of the flora and vegetation of Jindo (Chung, 1957), the plant survey of Jindo(Yang, 1958), the distribution and conservation state for the evergreen broad-leaved trees in islands of South-west seashore (Lee 1979), the plant lists of Jindo-gun (Kim and Park, 1998), phytosociological study on evergreen broad-leaved forest of Korean peninsula (Kim, 1988), the

Corresponding author : Hyo-Sik Yang, (Fax)061-454-0267, (E-mail)hsyang@mokpo.ac.kr

vegetation of Jindo (Kim, 1990), the vegetation of Chodo archipelago (Kim and Oh, 1990), the phytosociological study on the vegetation of Mt. Chomchal (Kim and Woo, 1991), and the phytosociological studies of *Pinus densiflora* forest on islets of Southwestern coast (Yang 2002)

A great parts of those papers were studied for the flora and vegetation of inhabited islands but studies of uninhabited islands were rare. In particular, studies of medicinal plant were lacking. Thus, the study of medicinal plant grown in these areas is very necessary for conservation of island vegetation and common interest of island inhabitants.

This study investigated the flora and ecological characteristics of medicinal plants of 22 uninhabited islands in Jindo-gun from March 2000 to October 2002. The results will provide basic data for the conservation and restoration of vegetation of uninhabited islands.

MATERIALS AND METHODS

1. Study area

The study area chosen is a marine climate, which is warm and humid by means of a warm current of Yellow sea. The average temperature is 13.8℃ and the annual precipitation amount to 1,125 mm (KMA 2001). The study islands were as follow:

- A. Kackhuldo (49,893m²) : Jisan-myeon Kahackri San-168
- B. Kockdo (38,000m²) : Jisan-myeon Kahackri San-69
- C. Chamtudo (9,124m²) : Jisan-myeon Kahackri San-170
- D. Kunhamdo (20,900m²) : Jindo-up Suyul San-53
- E. Sojedo (12,228m²) : Jindo-up Suyul San-152
- F. Chackdodo (72,500m²) : Jindo-up Sanwulri San-151
- G. Huiodo (41,200m²) : Jindo-up Sanwulri San-150
- H. Songdo (117,800m²) : Jindo-up Sanwulri San-145
- I. Sinuido (198,000m²) : Chodo-myeon Chungtungdori

San-57

- J. Changjukdo (290,000m²) : Chodo-myeon Changyuri San-2
- K. Haengkumdo (54,000m²) : Chodo-myeon Tockgudori San-101
- L. Taesodangdo (8,700m²) : Imhui-myeon Kulpori San-68
- M. Sajado (102,600m²) : Imhui-myeon Namdongri San-26
- N. Kackgudo (9,000m²) : Imhui-myeon Namdongri San-74
- O. Shindo (31,000m²) : Imhui-myeon Namdongri San-75
- P. Kambudo (101,719m²) : Kogu-myeon Byukcpari San-101
- Q. Wado (4,661m²) : Kogu myeon Wunpori San-16
- R. Sosamdo (33,000m²) : Uisin-myeon Chosari San-632
- S. Chungsamdo (38,500m²) : Uisin-myeon Chosari San-310
- T. Taesamdo (52,800m²) : Uisin-myeon Chosari San-312
- U. Mujudo (28,700m²) : Uisin-myeon Chosari San-313
- V. Hwangbumdo (21,488m²) : Uisin-myeon Mangilri San-173

2. Method

The 22 uninhabited islands in Jindo-gun were surveyed 5 times from March 2000 to October 2002. The medicinal plants were recorded and classified in the field if possible and in laboratory if not possible by means of illustrated book of Korean medicinal herbs(Ahn, 2000). The data were arranged by the method of Fuller and Tippon (Lee, 1993).

RESULTS AND DISCUSSION

The flora of medicinal plants in 22 uninhabited

islands were total 366 species, 95 families, 309 genus, 52 variants, 3 form, and 2 subspecies (Table 1, 2). This result was 23% of about 1600 medicinal plants of Korea (Ahn, 2000) and 24% of plant lists recorded in the vegetation of Dadohae national park (Chonnam, 1995). A large number of species occurred although uninhabited islands were generally small in size.

The lists of medicinal plants classified by islands were arranged on Table 1 and 2. The 351 medicinal plants at Changjukdo (290,000m²) were recorded and is the largest flora among 22 islands, and 304 species at Sajado (102,600m²), 261 species at Kambudo (105,719 m²) according to size. Meanwhile, Wado (4,661m²) was recorded 61 species and is the lowest flora among 22 islands. These differences were considered to be related to island area and an experience of inhabited island.

In all surveyed islands, common species were *Pteridium aquilinum* var. *latiusculum*, *Imperata cylindrica* var. *koenigii*, *Themeda triandra* var. *japonica*, *Scilla scilloides*, *Smilax china*, *Carpinus coreana*, *Pueraria thunbergiana*, *Euonymus japonica*, *Eurya japonica*, *Rhododendron mucronulatum*, *Ardisia japonica*, *Trachelospermum asiaticum* var. *intemedium*, *Paederia scandens*, *Lonicera japonica*, *Aster scaber*, *Chrysanthemum boreale*, *Ixeris dentata*, and *Sonchus oleraceus*.

The 12 special medicinal plants investigated were grown generally in the islands of Southwestern sea; *Lemnaphyllum microphyllum*, *Dendropanax morbifera*, *Ficus erecta*, *Farfugium japonicum*, *Machilus thunbergii*, *Juniperus chinensis* var. *procumbens*, *Dendrobium moniliforme*, *Pyrrhosia tricuspis*, *Cinnamomum japonicum*, *Pittosporum tobira*, *Kadsura japonica*, and *Daphniphyllum macropodum* (Ahn, 2000).

These results showed that medicinal plants in uninhabited islands were in abundance and the conservation of the vegetation of uninhabited islands are required from the destruction by grazing and

anglers.

REFERENCE

- Ahn, D.K. 2000. Illustrated book of Korean medicinal herbs. KyoHakSa. Seoul. 855p.
- Chollanam-do. 1995. The vegetation of Dadohae national park. Taewon Publishing. Kwangju. 372p.
- Chung, T.H. 1957. Report on vegetation of Jindo. Theses of Sungkyunkwan Univ. 8: 69-95.
- Korea Meterological Administration (KMA). 2001. Annual climatofogical report. Korea Meterological Administration, Seoul.
- Kim, C.S. and J.G. Oh. 1990. Phytosociological study on evergreen broad-leaved forest in Dadohae National park - The vegetation of Chodo archipelago -. Korean J. Ecology 13:33-50.
- Kim, C.S. and J.C. Woo. 1991. Phytosociological study on the vegetation of Mt. Chomchal. Bull. of Inst. Litt. Biota. Mokpo National Univ. 8 : 39-50.
- Kim, J.H. and M.S. Park. 1988. The plant list of Jindo. These of Suncheon National College, Natural Science 7:261-302.
- Kim, J.H. 1988. Phytosociological study on evergreen broad-leaved forest of Korean peninsula. Ph.D Kunkuk Univ., Seoul. 115p.
- Kim, J.H., 1990. The vegetation of Jindo. Korean J. Ecology 13:33-50
- Kim, Y.S., C.J.Kim and H.J. Lee. 1980. The study of plants of Chodo archipelago. Korea Univ., These of Natural Science 21:99-114.
- Lee, I.K. 1979. On the distribution and conservation state for the evergreen broad-leaved trees in islands of west seashore. Bulletin of KACN. Ser. 1:79-91.
- Lee. T.B. 1993. Illustrated flora of Korea. Hyangmunsa. Seoul. 990p.
- Yang, I.S. 1958. The survey of Jindo plants. Theses

of Kyungpuk Univ. 2 : 323-349.
 Yang, H.S. 2002. Phytosociological studies of *Pinus densiflora* forest in islets of southwestern coast, Korea. Korean J. Ecology 25: 127-134.
 Yim, Y.J. and T.Kira. 1975. Distribution of forest vegetation and climate in the Korea peninsula. I. Distribution of some indices of thermal climate. Jap. J. Ecol. 25:77-88.

Yim, Y.J. and T.Kira. 1975. Distribution of forest vegetation and climate in the Korea peninsula. IV. Zonal distribution of forest vegetation in relation to thermal climate. Jap. J. Ecol. 27:269-279.

(Received Mar. 30, 2003)

(Accepted Apr. 15, 2003)

Table 1. The number of medicinal plants on several uninhabited islands of Jindo-gun, Chonnam province.

	sites																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
Family	72	50	67	72	77	60	57	69	68	90	57	46	92	49	54	82	33	58	57	58	60	55
Genus	151	88	135	147	171	109	103	137	124	228	101	73	209	81	92	175	49	112	100	100	114	95
Species	192	98	152	158	195	122	113	165	180	303	132	83	267	93	108	224	52	124	111	112	134	104
Var.	23	16	25	26	25	22	18	20	23	41	17	12	34	13	17	34	9	18	19	16	12	13
For.	-	2	-	1	1	2	2	-	1	2	1	-	1	-	-	1	-	-	1	1	-	1
Subsp.	-	-	2	2	-	-	-	-	-	2	-	-	2	-	-	2	-	-	-	1	-	-

Table 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province.

Scientific Name	Sites																						
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
Lycopodiaceae																							
<i>Lycopodium serratum</i> THUNB																	0		0				
Selaginellaceae																							
<i>Selaginella tamariscina</i> (BEAUV.) SPRINTS.	0	0		0					0	0	0	0		0	0	0	0			0	0		
Equisetaceae																							
<i>Equisetum arvense</i> L.		0	0	0	0		0	0	0	0	0		0			0		0	0	0	0	0	
Osmundaceae																							
<i>Osmunda japonica</i> THUNB.	0	0	0	0	0	0	0	0	0				0	0	0		0	0	0	0	0	0	
Schizaeacea																							
<i>Lygodium japonicum</i> (THUNB.) SW.	0										0	0	0		0	0		0	0		0		
Pteridaceae																							
<i>Sphenomeris chusana</i> (L.) COPEL.	0										0	0	0			0	0			0			
<i>Pteridium aquilinum</i> var. <i>latiusculum</i> UN DERW.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Coniogramme intermedia</i> HIERON	0		0						0	0	0				0							0	
Davillaceae																							
<i>Davallia mariesii</i> MOORE	0						0	0	0	0	0		0	0	0		0			0	0	0	
Aspidaceae																							

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
<i>Onoclea sensibilis</i> var. <i>interrupta</i> MAX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Polystichum tripterum</i> (KUNZE.) PRESL.					0		0	0	0	0						0						
<i>Cyrtomium falcatum</i> (L.) PRESL.		0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cyrtomium fortunei</i> J. SMITH	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dryopteris crassirhizoma</i> NAKAI	0	0	0	0			0	0	0				0									
<i>Dryopteris bissetiana</i> (BAK.) C.CHRIST.	0	0						0	0				0	0				0	0		0	0
Polypodiaceae																						
<i>Lepisorus thunbergianus</i> (KAULF.) CHING.	0		0	0	0		0	0	0	0		0	0	0				0	0	0	0	0
<i>Lemmaphyllum microphyllum</i> PRESL.	0		0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
<i>Phyrrhosia lingua</i> (THUNB.) FARWEL	0		0				0	0	0			0	0	0				0	0		0	0
<i>Phyrrhosia tricuspis</i> (SW.) TAGAWA.	0	0						0														
<i>Crypsinus hastatus</i> (THUNB.) COPEL.								0	0				0									
Pinaceae																						
<i>Pinus densiflora</i> S. et Z.	0	0						0	0	0	0		0		0	0		0		0		0
<i>Pinus thunbergii</i> PARL.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taxodiaceae																						
<i>Cryptomeria japonica</i> (L. fil.) D.				0					0													
Cupressaceae																						
<i>Thuja orientalis</i> L.				0					0													
<i>Juniperus chinensis</i> var. <i>procumbens</i> (SIEB.) Endle.	0								0				0									
<i>Juniperus rigida</i> S. et Z.	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gramineae																						
<i>Sasa borealis</i> (HACK.) MAKING	0		0					0	0	0	0		0	0		0				0		
<i>Pseudosasa japonica</i> MAKING				0					0	0												
<i>Alopecurus aequalis</i> var. <i>amurensis</i> OHWI	0	0	0					0	0	0		0		0		0		0				
<i>Eragrostis ferruginea</i> (THUNB.) p. BEAUV.	0	0	0	0	0			0	0	0		0	0		0	0		0	0		0	0
<i>Pennisetum alopecuroides</i> (L.) SPRENG.	0	0	0	0				0	0	0					0	0	0					
<i>Digitaria sanguinalis</i> (L.) SCOP.	0	0	0	0				0	0	0	0		0		0	0	0		0	0	0	0
<i>Imperata cylindrica</i> var. <i>koenigii</i> Duran et Schinz	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Miscanthus sinensis</i> ANDERSS.	0	0						0	0	0		0		0								
<i>Miscanthus sinensis</i> var. <i>purpurascens</i> RENDLE.	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Themeda triandra</i> var. <i>japonica</i> MAKINO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae																						
<i>Carex siderosticta</i> HANCE.	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Araceae																						

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
<i>Pinellia ternata</i> (THUNB.) BREIT.										0		0			0						0	
<i>Arisaema heterophyllum</i> BL.	0									0	0				0	0						0
<i>Arisaema ringens</i> SCHOTT	0				0	0				0	0	0			0	0	0					0
<i>Arisaema robustum</i> (ENGN.) NAKAI	0				0					0	0				0							0
<i>Arisaema amurense</i> var. <i>serratum</i> NAKAI				0	0	0	0	0	0	0	0	0			0	0	0				0	0
Commelinaceae																						
<i>Commelina communis</i> L.	0	0	0	0	0	0				0	0	0			0		0	0				0
<i>Commelina coreana</i> LEV.										0	0											
Juncaceae																						
<i>Juncos effusus</i> var. <i>decipiens</i> BUCHEN.	0			0	0	0				0	0				0		0	0				
Liliaceae																						
<i>Hosta capitata</i> NAKAI	0			0	0							0										
<i>Hosta longipes</i> (FR. et SAV.) MATSUMURA	0			0	0	0				0	0	0			0	0	0	0			0	0
<i>Hemerocallis fulva</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hemerocallis middendorfii</i> TRAUTV. et MEYER.	0			0						0	0	0			0	0	0					0
<i>Allium tuberosum</i> ROTH.			0								0	0					0					
<i>Allium grayi</i> REGEL.	0			0	0					0	0	0	0	0	0		0			0	0	0
<i>Allium thunbergii</i> G. DON.	0	0	0							0	0	0	0	0	0		0				0	0
<i>Allium monanthum</i> MAX.				0						0	0	0			0		0			0	0	
<i>Lilium tigrinum</i> KER-GAWL.	0	0	0	0	0					0	0				0	0	0				0	0
<i>Scilla scilloides</i> (LIND.) DRUCE.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Asparagus cochinchinensis</i> MERR.	0			0	0					0	0	0	0	0	0	0	0				0	0
<i>Asparagus schoberioides</i> KUNTH.	0	0								0	0	0			0		0	0				
<i>Polygonatum odoratum</i> var. <i>pluriflorum</i> OHWI.	0			0	0	0	0			0	0	0	0	0	0	0	0				0	0
<i>Polygonatum falcatum</i> A. GRAY.	0									0	0				0	0	0					0
<i>Polygonatum involucratum</i> MAX.	0			0							0				0	0	0	0				0
<i>Smilacina japonica</i> A. GRAY.	0																					
<i>Disporum sessile</i> D. DON.	0			0						0												0
<i>Disporum smilacinum</i> A. GRAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Paris verticillata</i> BIEB.										0	0				0	0						
<i>Liriope spicata</i> LOUR.										0	0	0										
<i>Liriope platyphylla</i> WANG. et TANG.	0	0	0	0	0	0				0	0	0	0	0		0			0			0
<i>Ophiopogon jaburan</i> (KUNTH.) LODD.	0									0	0				0							0
<i>Ophiopogon japonicus</i> KER-GAWL.				0	0	0	0	0	0	0	0				0	0				0	0	0
<i>Smilax riparia</i> var. <i>ussuriensis</i> HARA. et KOYA	0	0		0	0					0	0	0	0		0		0	0			0	0

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
<i>Smilax china</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Smilax sieboldii</i> MIQ.	0	0	0	0	0		0	0		0	0	0	0	0	0	0	0	0	0	0	0	0
Dioscoreaceae																						
<i>Dioscorea japonica</i> THUNB.										0	0	0					0					
<i>Dioscorea batatas</i> DECNE.	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Dioscorea nipponica</i> MAKINO	0									0	0	0	0	0	0	0					0	0
<i>Dioscorea tenuipes</i> FR. et SAV.	0			0						0	0	0									0	
<i>Dioscorea quinqueloba</i> THUNB.			0							0	0	0	0		0		0		0			
<i>Dioscorea septemloba</i> THUNB.		0								0		0		0	0	0						
Iridaceae																						
<i>Iris rossii</i> BAK.										0							0		0			
<i>Iris nertschinskia</i> LODD.	0			0						0		0										
<i>Belamcanda chinensis</i> (L.) DC.	0																					
Orchidaceae																						
<i>Spiranthes sinensis</i> (PERS.) AMES.	0	0		0	0			0	0			0			0						0	0
<i>Dendrobium moniliforme</i> (L.) SW	0									0	0									0	0	
<i>Cymbidium goeringii</i> REICHB. fil.	0	0		0	0	0	0	0	0	0	0			0	0	0	0			0	0	0
Chloranthaceae																						
<i>Chloranthus japonicus</i> SIEB.	0	0	0	0	0	0				0	0	0		0	0		0	0	0	0	0	0
Juglandaceae																						
<i>Platycarya strobilacea</i> S. et Z.	0			0	0					0	0	0		0	0		0				0	
Betulaceae																						
<i>Alnus japonica</i> STEUD										0	0						0					
<i>Carpinus coreana</i> NAKAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fagaceae																						
<i>Castanea crenata</i> S. et Z.	0	0	0							0						0	0					
<i>Quercus acutissima</i> CARRUTH.	0									0	0	0	0		0						0	
<i>Quercus dentata</i> THUNB.	0	0	0	0	0		0	0	0	0	0	0		0	0		0		0			
<i>Quercus mongolica</i> FISCH.	0	0								0	0	0	0									
<i>Quercus acuta</i> THUNB.	0			0						0	0		0	0							0	
<i>Quercus myrsinaefolia</i> BL.	0									0		0									0	
Ulmaceae																						
<i>Ulmus davidiana</i> var. <i>japonica</i> NAK.	0	0		0	0					0	0	0		0		0					0	
<i>Zelkova serrata</i> MAKING					0					0	0				0							
<i>Celtis sinensis</i> PERS.	0		0	0						0	0			0	0	0	0				0	

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																						
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
Moraceae																							
<i>Cudrania tricuspidata</i> BUREAU.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Morus bombycis</i> KOIDZ.			0						0	0	0	0									0		
<i>Morus bombycis</i> for. <i>kase</i> UYEKI									0														
<i>Morus alba</i> L.										0									0	0			
<i>Ficus erecta</i> THUNB.	0	0		0	0		0	0	0	0	0	0	0	0	0			0	0	0	0	0	
Cannabinaceae																							
<i>Humulus japonicus</i> S. et Z.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Urticaceae																							
<i>Boehmeria nivea</i> (L.) GAUDICH.	0	0		0	0		0	0	0	0	0	0	0					0		0			
<i>Boehmeria nipononivea</i> KOIDZ.										0						0							
<i>Boehmeria spicata</i> THUNB.				0	0	0	0		0	0		0			0			0		0		0	
<i>Boehmeria pannosa</i> NAKAI et SATAKE.	0	0								0	0	0											
Santalaceae																							
<i>Thesium chinense</i> TURCZ.									0									0					
Loranthaceae																							
<i>Pseudixus japonicus</i> ENGL.	0									0		0	0										
Aristolochiaceae																							
<i>Asarum sieboldii</i> MIQ	0									0	0	0										0	
Polygonaceae																							
<i>Rumex acetocella</i> L.			0					0	0		0			0	0		0	0			0		
<i>Rumex japonicus</i> HOUTT.										0						0							
<i>Rumex crispus</i> L.			0	0	0		0	0	0	0	0	0		0		0	0		0			0	
<i>Pleuropterus multiflorus</i> TURCZ.			0	0						0		0											
<i>Persicaria filiforme</i> NAKAI			0															0					
<i>Persicaria perfoliata</i> H. GROSS.	0	0		0		0	0	0	0	0		0			0		0				0		
<i>Persicaria senticosa</i> GROSS.	0	0	0	0		0	0	0	0	0		0			0	0		0					
<i>Persicaria thunbergii</i> H. GROSS			0	0	0	0	0	0	0	0	0		0			0	0		0			0	
<i>Persicaria sieboldi</i> OHKI.										0	0							0					
<i>Persicaria cochinchinensis</i> KITAGAWA.					0		0	0		0					0			0					
<i>Persicaria blumei</i> GROSS.							0		0								0						
<i>Polygonum aviculare</i> L.				0	0		0			0		0			0		0		0				
<i>Chenopodium album</i> var. <i>centrorubrum</i> MAKINO			0	0	0	0	0					0			0		0		0	0			
<i>Kochia scoparia</i> SCHRAD.										0		0										0	
<i>Suaeda japonica</i> MAKING	0	0		0	0		0				0	0			0		0		0	0	0	0	

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
<i>Suaeda asparagoides</i> (MIQ.) MAKINO	0		0	0	0	0	0	0	0		0		0		0		0		0	0	0	
Amaranthaceae																						
<i>Amaranthus retroflexus</i> L.										0							0					
<i>Amaranthus mangostanus</i> L.			0	0					0		0		0		0		0		0			
<i>Achyranthes japonica</i> (MIQ.) NAKAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phytolaccaceae																						
<i>Phytolacca esculenta</i> V. HOUTTE.			0					0	0													
<i>Phytolacca americana</i> L.								0			0		0									
<i>Phytolacca insularis</i> NAKAI				0																		
Aizoaceae																						
<i>Tetragonia tetragonoides</i> O. HUNTER	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulacaceae																						
<i>Portulaca oleracea</i> L.			0	0					0		0		0		0							
Caryophyllaceae																						
<i>Sagina japonica</i> OHWI.			0						0	0		0		0		0						
<i>Arenaria serpyllifolia</i> L.									0		0		0		0							
<i>Pseudostellaria heterophylla</i> FENZL.			0	0					0	0		0										0
<i>Stellaria aquatica</i> SCOP.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Stellaria media</i> VILLARS	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Stellaria alsine</i> var. <i>undulate</i> OHWI.									0	0	0	0	0									
<i>Dianthus sinensis</i> L.	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Melandryum firmum</i> (S. et Z.) ROHRB.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ranunculaceae																						
<i>Clematis mandshurica</i> RUPR.	0		0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Clematis apiifolia</i> A. p. DC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pulsatilla koreana</i> NAKAI								0	0								0					
<i>Hepatica asiatica</i> NAKAI	0		0					0				0										
<i>Ranunculus sceleratus</i> L.								0	0		0											
<i>Ranunculus japonicus</i> THUNB.	0		0	0				0	0													
<i>Thalictrum minus</i> var. <i>hypoleucum</i> MIQ.	0								0							0						
<i>Thalictrum aquilegifolium</i> L.	0		0	0	0	0	0	0				0		0		0		0	0	0	0	0
<i>Thalictrum filamentosum</i> MAX.	0		0									0										0
Lardizabalaceae																						
<i>Akebia quinata</i> DECUE.	0	0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Stauntonia hexaphylla</i> (THUNB.) DECNE	0							0	0	0	0	0	0	0								0

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																						
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
Menispermaceae																							
<i>Sinomenium acutum</i> REHDER. et WILS.	0	0					0	0	0	0	0	0	0	0	0	0					0		
<i>Cocculus trilobus</i> DC.	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Magnoliaceae																							
<i>Kadsura japonica</i> DUNAL.	0	0	0				0	0			0	0						0	0	0			
Lauraceae																							
<i>Lindera obtusiloba</i> BL.	0						0	0	0		0												
<i>Lindera erythrocarpa</i> MAKINO							0	0															
<i>Cinnamomum japonicum</i> SIEB.	0						0				0												
<i>Machilus thunbergii</i> S. et Z.	0	0		0			0	0	0	0	0	0	0	0	0				0	0	0	0	
Papaveraceae																							
<i>Chelidonium majus</i> var. <i>asiaticum</i> OHWI				0			0				0			0		0		0					
Fumariaceae																							
<i>Corydalis turtschaninovii</i> BESS.				0			0	0	0	0	0		0		0					0			
Cruciferae																							
<i>Brassica campestris</i> subsp. <i>napus</i> var. <i>nippo-oleifera</i> Makino		0	0							0		0				0							
<i>Thlaspi arvense</i> L.		0	0	0			0	0	0		0												
<i>Rorippa indica</i> (L.) HIERN.		0	0	0	0		0			0		0			0	0	0			0			
<i>Capsella bursa-pastoris</i> (L.) MEDICUS.		0					0	0	0						0	0		0		0		0	
<i>Draba nemorosa</i> var. <i>hebecarpa</i> LINDBL.		0					0	0			0				0								
Crassulaceae																							
<i>Orostachys japonicus</i> A. BERGER.	0						0				0											0	
<i>Sedum samentosum</i> BUNGE.	0	0		0	0		0	0	0	0	0	0	0	0	0	0			0	0	0	0	
<i>Sedum oryzifolium</i> MAKINO	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	
Saxifragaceae																							
<i>Ribes fasciculatum</i> var. <i>chinense</i> MAX.							0	0							0								
Pittosporaceae																							
<i>Pittosporum tobira</i> AIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	
Rosaceae																							
<i>Spiraea prunifolia</i> var. <i>simpliciflora</i> NAKAI																						0	
<i>Potentilla discolor</i> BUNGE.													0		0		0						
<i>Potentilla fragarioides</i> var. <i>major</i> MAX.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	
<i>Potentilla chinensis</i> SER.			0																			0	
<i>Rubus crataegifolius</i> BUNGE.	0						0	0	0						0								

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
<i>Rubus parvifolius</i> L.	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rubus coreanus</i> MIQ.	0	0		0	0			0	0		0		0		0		0	0			0	0
<i>Sanguisorba officinalis</i> L.	0			0	0	0		0		0		0		0								
<i>Agrimonia pilosa</i> LEDEB.			0	0	0			0	0		0		0	0	0			0			0	
<i>Rosa multiflora</i> THUNB.	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0
<i>Prunus sargentii</i> RENDER.	0	0	0		0	0	0	0		0	0		0					0	0	0	0	0
<i>Malus sieboldii</i> (REGEL.) REHDER.				0	0				0		0		0		0		0					
<i>Sorbus alnifolia</i> (S. et Z.) K. KOCH	0	0	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0
Leguminosae																						
<i>Albizia julibrissin</i> DURAZZ.	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0			0	0	
<i>Cassia mimosoides</i> var. <i>nomame</i> MAKINO											0						0					
<i>Sophora flavescens</i> AIT.	0			0			0	0		0		0										
<i>Lespedeza cuneata</i> G. DON.	0	0	0		0	0	0	0	0	0	0		0		0	0		0	0		0	0
<i>Kummerowia striata</i> (THUNB.) SCHINDL.					0				0	0	0				0	0						
<i>Desmodium oxyphyllum</i> DC.			0					0				0		0		0		0				
<i>Vicia unijuga</i> A. BR.	0								0	0	0						0					
<i>Pueraria thunbergiana</i> BENTH.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Glycine soja</i> S. et Z.										0							0					
<i>Amphicarpaea edgeworthii</i> var. <i>trisperma</i> OHWI.			0		0		0	0	0	0		0			0	0		0	0			
<i>Indigofera kirilowii</i> MAX.	0	0	0	0	0	0	0	0		0	0	0			0		0	0	0	0		0
<i>Wistaria floribunda</i> A. P. DC.	0	0	0	0	0	0			0		0	0		0		0		0				0
<i>Robinia pseudo-acacia</i> L.										0							0					
<i>Lotus corniculatus</i> var. <i>japonicus</i> REGEL.																	0					
<i>Trifolium repens</i> L.			0	0			0	0		0		0		0		0		0				
Geraniaceae																						
<i>Geranium sibiricum</i> L.			0	0			0	0		0		0					0				0	
<i>Geranium nepalense</i> subsp. <i>thunbergii</i> HARA			0	0			0		0		0		0		0						0	
Oxalidaceae																						
<i>Oxalis corniculata</i> L.	0	0		0	0	0	0	0	0	0		0		0		0		0			0	
Rutaceae																						
<i>Zanthoxylum planispinum</i> S. et Z.	0			0				0	0		0		0									
<i>Zanthoxylum piperitum</i> A. P. DC.		0			0		0	0	0	0		0		0		0					0	
<i>Zanthoxylum schinifolium</i> S. et Z.	0	0	0	0		0	0	0	0	0	0		0	0	0	0			0	0	0	0
<i>Poncirus trifoliata</i> RAFIN.			0							0												
<i>Citrus junos</i> TANAKA.											0											

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
<i>Dictamnus dasycarpus</i> TURCZ. Simaroubaceae	0			0			0		0			0			0			0		0		0
<i>Picrasma quassioides</i> (D. DON) BEN Meliaceae			0	0			0					0			0			0		0		0
<i>Melia azedarach</i> var. <i>japonic</i> MAKINO Polygalaceae				0						0												
<i>Polygala japonica</i> HOVTT. Euphorbiaceae										0		0			0							
<i>Daphniphyllum macropodum</i> MIQ.	0				0				0	0		0	0							0		0
<i>Mallotus japonicus</i> MUELL. ARG.	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Securinega suffruticosa</i> RENDER.																						0
<i>Euphorbia helioscopia</i> L.										0												
<i>Euphorbia sieboldiana</i> MORR. et DECNE. Buxaceae																						0
<i>Buxus microphylla</i> var. <i>koreana</i> NAKA Anacardiaceae	0			0					0	0												
<i>Rhus chinensis</i> MILL.	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0		0	0
<i>Rhus succedanea</i> L. Aquifoliaceae	0			0	0	0	0	0	0		0		0		0	0			0		0	
<i>Ilex crenata</i> THUNB. Celastraceae										0	0	0										
<i>Ilex cornuta</i> LINDL.										0												
<i>Euonymus japonica</i> THUNB.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Euonymus alatus</i> (THUNB.) SIEB.	0								0			0			0						0	
<i>Euonymus sieboldiana</i> BL.				0					0		0									0		
<i>Celastrus orbiculatus</i> THUNB. Staphyleaceae	0	0		0	0	0	0					0		0	0		0		0		0	0
<i>Staphylea bumalda</i> DC.												0			0							
<i>Euscaphis japonica</i> (THUNB.) KANITZ. Aceraceae	0			0	0	0	0	0				0	0		0		0		0	0	0	0
<i>Acer mono</i> MAX. Rhamnaceae	0										0											
<i>Zizyphus jujuba</i> var. <i>inermis</i> RENDER. Vitaceae					0					0												
<i>Vitis amurensis</i> RUPR.					0					0		0										

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
<i>Vitis coignetiae</i> PULLIAT.			0	0	0					0			0	0	0	0	0	0				
<i>Parthenocissus tricuspidata</i> (S. et Z.) PLANCH	0			0	0	0				0	0	0		0		0	0				0	0
<i>Cayraia japonica</i> (THUNB.) GAGNEP.			0		0						0											
Tiliaceae																						
<i>Tilia taquetii</i> SCHNEID.											0			0								
<i>Grewia biloba</i> var. <i>parviflora</i> (BUNGE.) HAND.	0	0	0	0	0	0	0	0	0	0			0		0		0				0	
Theaceae																						
<i>Thea sinensis</i> L.											0											
<i>Camellia japonica</i> L.	0		0		0					0	0	0	0	0	0	0				0	0	0
<i>Eurya japonica</i> THUNB.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypericaceae																						
<i>Hypericum erectum</i> THUNB.			0												0							
Violaceae																						
<i>Viola dissecta</i> var. <i>chaerophylloides</i> MAKINO	0		0	0	0	0				0	0			0		0				0		
<i>Viola mandshurica</i> W. BECKER.			0	0	0	0	0	0	0	0				0		0				0	0	
<i>Viola acuminata</i> LEDEB.	0										0			0		0						
Elaeagnaceae																						
<i>Elaeagnus umbellata</i> THUNB.	0				0						0			0			0					
<i>Elaeagnus glabra</i> THUNB.	0		0	0	0	0					0	0	0	0	0	0	0	0	0	0	0	0
Alangiaceae																						
<i>Alangium platanifolium</i> var. <i>macrophyllum</i> WANGER.												0										
Onagraceae																						
<i>Circaea mollis</i> S. et Z.												0										
<i>Epilobium pyrricholopum</i> FR. et SAV.												0		0								
<i>Oenothera odorata</i> JACQ.			0	0	0	0					0			0		0		0		0		0
Araliaceae																						
<i>Hedera rhombea</i> BEAN.	0			0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0
<i>Dendropanax morbifera</i> LEV.											0			0								
<i>Kalopanax pictus</i> (THUNB.) NAKAI	0		0	0	0		0	0	0	0		0	0			0				0	0	0
<i>Aralia elate</i> SEEM.	0					0	0			0	0	0		0		0						0
Umbelliferae																						
<i>Sanicula chinensis</i> BUNGE.												0		0								
<i>Caucalis scabra</i> (DC.) MAKINO												0		0								
<i>Oenanthe javanica</i> (BL.) DC.				0	0						0			0		0						
<i>Glehnia littoralis</i> FR. SCHM.	0		0	0	0	0		0					0		0	0	0		0	0		0

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
<i>Peucedanum javanicum</i> THUNB	0				0	0	0		0	0	0	0		0		0	0		0	0	0	
<i>Peucedanum tereinthaceum</i> FISCH.		0								0			0			0			0			
Cornaceae																						
<i>Cornus kousa</i> BUERG.	0															0						
<i>Cornus macrophylla</i> WALL.										0			0									
Pyrolaceae																						
<i>Pyrola japonica</i> KLENZE	0					0			0	0	0		0			0			0		0	
Ericaceae																						
<i>Rhododendron mucronulatum</i> TURCZ.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rhododendron mucronulatum</i> var. <i>maritimum</i> NAK	0	0	0	0	0			0		0	0		0		0	0		0	0		0	0
<i>Vaccinium oldhami</i> MIQ.	0	0	0	0	0	0		0		0			0		0	0					0	0
Myrsinaceae																						
<i>Ardisia japonica</i> BL.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Primulaceae																						
<i>Lysimachia clethroides</i> DUBY	0		0		0							0			0	0			0	0	0	0
Ebenaceae																						
<i>Diospyros kaka</i> THUNB.					0					0						0						
Symplocaceae																						
<i>Symplocos chinensis</i> for. <i>pilosa</i> OHWI		0		0	0	0	0			0	0		0			0					0	
Styraceae																						
<i>Styrax japonica</i> S. et Z.					0					0			0			0						
Oleaceae																						
<i>Fraxinus rhynchophylla</i> HANCE	0										0											
<i>Fraxinus sieboldiana</i> BL.	0										0		0									
<i>Ligustrum japonicum</i> THUNB.	0	0	0		0	0	0			0	0	0	0	0	0	0	0		0	0	0	0
<i>Ligustrum ovalifolium</i> HASSK.										0	0	0				0						
<i>Ligustrum obtusifolium</i> S. et Z.	0		0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
Gentianaceae																						
<i>Swertia japonica</i> (SCHULT.) MAKINO				0				0			0			0								
Apocynaceae																						
<i>Trachelospermum asiaticum</i> var. <i>intemedium</i> NAK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Trachelospermum asiaticum</i> var. <i>pubescens</i> MAK	0										0		0									0
Asclepiadaceae																						
<i>Metaplexis japonica</i> (THUNB.) MAK								0		0			0			0						
<i>Cynanchum paniculatum</i> KITAGAWA										0						0						

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																						
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
Convolvulaceae																							
<i>Calystegia soldanella</i> ROEM. et SCHULT.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Calystegia japonica</i> (THUNB.) CHOIS.			0						0		0		0		0							0	
<i>Cuscuta australis</i> R. BR.			0	0								0									0		
Borraginaceae																							
<i>Trigonotis peduncularis</i> BENTH.			0	0	0		0				0		0		0		0						
<i>Lithospemum zollingeri</i> A. DC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Messerschmidia sibirica</i> L.										0										0	0		
Verbenaceae																							
<i>Callicarpa japonica</i> THUNB.	0	0	0		0	0		0		0		0		0	0		0		0	0	0		
<i>Clerodendron trichotomum</i> THUNB.	0		0	0	0	0			0		0								0	0	0	0	
<i>Vitex rotundifolia</i> L. fil.		0		0	0	0		0		0	0		0							0	0		
<i>Caryopteris incana</i> (THUNB.) MIQ.	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Labiatae																							
<i>Scutellaria indica</i> L.		0	0	0	0	0		0		0		0		0	0		0				0		
<i>Nepeta cataria</i> L.										0										0			
<i>Prunella vulgaris</i> var. <i>lilacina</i> NAKAI		0	0	0	0			0		0		0		0	0	0							
<i>Leonurus sibiricus</i> L.		0	0	0		0		0		0		0								0			
<i>Lamium amplexicaule</i> L.		0		0	0			0		0		0								0			
<i>Mosla punctulata</i> (GMEL.) NAKAI										0										0			
<i>Lycopus ramosissimus</i> var. <i>japonicus</i> KITAMURA										0													
<i>Stachys riederi</i> var. <i>japonica</i> MIQ.										0										0			
<i>Perilla frutescens</i> var. <i>japonica</i> HARA										0										0			
<i>Perilla frutescens</i> var. <i>acuta</i> KUDO										0													
<i>Elsholtzia splendens</i> NAKAI						0				0		0											
<i>Isodon japonicus</i> (BURM.) HARA		0	0	0	0			0		0		0		0		0				0			
Solanaceae																							
<i>Lycium chinense</i> MILL.										0										0			
<i>Solanum lyratum</i> THUNB.	0		0	0	0		0	0	0		0		0							0	0		
<i>Solanum nigrum</i> L.		0				0		0	0		0		0		0								
Scrophulariaceae																							
<i>Mazus pumilus</i> (BURM. f.) VAN SIEENIS			0	0	0	0	0	0	0		0		0										
<i>Veronica linariaefolia</i> PALL.										0													
<i>Veronica polita</i> var. <i>lilacina</i> (HARA) YAMAZAKI	0	0	0		0	0	0	0	0		0		0					0	0			0	
<i>Siphonostegia chinensis</i> BENTH.	0									0	0												

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
<i>Melampyrum roseum</i> MAX.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Melampyrum roseum</i> var. <i>ovalifolium</i> NAKAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acanthaceae																						
<i>Justicia procumbens</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phrymaceae																						
<i>Phryma leptostachya</i> var. <i>asiatica</i> HARA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantaginaceae																						
<i>Plantago asiatica</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Plantago lanceolata</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubiaceae																						
<i>Paederia scandens</i> (LOUR.) MERR.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rubia akane</i> NAKAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rubia cordifolia</i> var. <i>pratensis</i> MAX.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Galum trifidum</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Galium verum</i> var. <i>asiaticum</i> NAKAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caprifoliaceae																						
<i>Sambucus williamsii</i> var. <i>coreana</i> NAKAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Viburnum dilatatum</i> THUNB.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lonicera japonica</i> THUNB.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Valerianaceae																						
<i>Patrinia scabiosaefolia</i> FISCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Patrinia villosa</i> (THUNB.) JUSS.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucurbitaceae																						
<i>Trichosanthes kirilowii</i> MAX.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cynostemma pentaphyllum</i> (THUNB.) MAKINO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Campanulaceae																						
<i>Adenophora triphylla</i> var. <i>japonica</i> HARA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Adenophora triphylla</i> var. <i>hirsuta</i> NAKAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Adenophora divaricata</i> var. <i>mandshurica</i> KITAGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Adenophora radiatifolia</i> var. <i>angustifolia</i> NAK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Codonopsis lanceolata</i> (S. et Z.) TRAUTV.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Platycodon grandiflorum</i> (JACQ.) A. DC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Compositae																						
<i>Gnaphalium affine</i> D. DON.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Helianthus tuberosus</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table. 2. The lists of medicinal plants on 22 uninhabited islands of Jindo-gun, Chonnam province

Scientific Name	Sites																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
<i>Carpesium abrotanoides</i> L.				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Xanthium strumarium</i> L.				0						0	0										0	
<i>Eupatorium chinense</i> var. <i>simplicifolium</i> KITAM						0				0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Eupatorium chinense</i> for. <i>tripartitum</i> HARA				0		0	0			0										0		0
<i>Solidago virgo-aurea</i> var. <i>asiatica</i> NAKAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aster hispidus</i> THUNB.	0	0	0		0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Aster yomena</i> MAKING					0	0	0	0	0	0	0					0						
<i>Aster scaber</i> THUNB.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Erigeron annuus</i> (L.) PERS.										0	0				0	0						
<i>Erigeron canadensis</i> L.		0	0	0	0	0				0				0	0	0	0	0	0	0	0	0
<i>Petasites japonicus</i> (S. et Z.) MAX.	0			0	0			0	0			0			0					0	0	
<i>Farfugium japonicum</i> KITAMURA	0	0			0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ligularia fischeri</i> (LEDEB.) TURCZ.	0									0												
<i>Senecio integrifolius</i> var. <i>spathulatus</i> HARA										0					0							
<i>Chrysanthemum zawadskii</i> var. <i>latilobum</i> KITAMURA	0									0	0	0			0	0						
<i>Chrysanthemum boreale</i> MAKINO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Artemisia capillaris</i> THUNB.	0	0			0				0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Artemisia japonica</i> THUNB.			0	0	0	0	0	0	0	0	0			0		0	0					0
<i>Artemisia keiskeana</i> MIQ.	0				0			0	0	0	0			0	0		0	0		0	0	0
<i>Artemisia lavandulaefolia</i> DC.										0	0											0
<i>Artemisia princeps</i> var. <i>orientalis</i> (PAMPAN)		0	0	0	0				0	0	0	0			0		0	0	0	0	0	0
<i>Siegesbeckia glabrescens</i> MAKINO				0	0	0	0			0										0		0
<i>Siegesbeckia pubescens</i> MAKINO			0							0			0									
<i>Eclipta prostrata</i> L.					0	0				0												
<i>Bidens bipinnata</i> L.						0				0							0					
<i>Atractylodes japonica</i> KOIDZ.	0	0	0		0	0			0	0	0	0			0		0		0	0	0	0
<i>Cirsium japonicum</i> var. <i>ussuriense</i> KITAMURA	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cephalonoplos segetum</i> (BUNGE) KITAMURA			0	0							0		0							0		
<i>Taraxacum mongolicum</i> H. MAZZ.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ixeris dentata</i> (THUNB.) NAKAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lactuca indica</i> var. <i>laciniata</i> HARA											0											
<i>Sonchus oleraceus</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Youngia japonica</i> (L.) DC.																0	0					0
<i>Youngia denticulata</i> KITAMURA										0	0	0				0		0				
<i>Youngia sonchifolia</i> MAX.	0	0	0			0			0	0	0	0			0					0		