

**INDIGENOUS KNOWLEDGE OF MUONG AND DAO
ETHNIC MINORITY GROUPS IN BA VI NATIONAL PARK,
VIETNAM**



**BY
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INTRODUCTION

Man is known to have utilized plants as a source of medicinal drugs for thousands of years. Medicinal plants are potential sources of new drugs and hold a great value for developing pharmaceutical products, phytomedicines, and dietary supplements (King et al. 1999; Hoang et al. 2008). About 80% of the world's population relies on traditional medicine, especially in remote areas in developing countries, medicinal plants may form the only available source of health care (Van Andel 2000; Hoang et al. 2008).

Knowledge of medicinal plants, as once embedded in numerous indigenous cultures, is rapidly disappearing. Year by year, the total sum of human knowledge about the species, distribution, ecology, management, and extraction of medicinal plants is declining: the continuation of a process of loss of local cultural diversity that has been underway for centuries (Hamilton 2003, Hoang et al. 2008). Although in many communities medicinal plants are the only available source for medical treatment, local indigenous remedies are less used now than before. In many tropical regions indigenous knowledge is at risk of extinction just as is biodiversity itself (Slikkerveer 1999, Van Andel 2000, Hoang et al. 2008).

Vietnam is a rich country of biodiversity, which has the high potential of medicinal plants. According to scientists, Vietnam has about 4000 plant species are used as medicinal sources (Tap 2007). This source is not only diverse in number of species but also diverse in the treatment capability. However, until now, people knowledge of these species is limited, there are many more medicinal plant species in nature that people do not know or just a small part of it applicability (Dien 2007).

Ba Vi National park, one of the 30 National Park in Vietnam was established in 1992 (the National park belong to Ha Tay province before 2009, and now it

belongs to Hanoi when Hanoi expanded area). The health care situation in the research area of Ba Vi National Park is generally much less favourable. Because most people living in and around the park is still poor.

To study indigenous knowledge of Muong and Dao ethnic minority groups in Ba Vi National Park, this study deals with the variety of medicinal plant species and their uses recorded during 6 months survey of traditional medicinal plants in that area.

The main research questions with regards to the use of medicinal plants were:

- Which plant species are being used for which disease?
- Which medicinal plant species are being commercialized in the research area?
- What are different between traditional knowledge of Muong and Dao ethnic minority groups in Ba Vi National Park on using medicinal plants.
- What is the present role of medicinal plants in the health care system of the indigenous communities?

We hope that the documentation of this medicinal plant knowledge contributes to the conservation of both cultural diversity and plant biodiversity in Vietnam in general and Ba Vi National Park in particular.

METHODOLOGY

Household surveys and interviews were carried out in 100 randomly selected households. The standard interviews contained specific questions on age, gender, and ethnic background of the gatherers and main users of plant products. Additionally we organized the trips with indigenous experts, e.g., traditional doctors, village elders and other local people who knew about medicinal plants to determine which plant species are harvested and for what purpose in the forests. These trips were also used to collect voucher specimens for further identification of the harvested plants. We also did market inventories in local markets to determine the price of the medicinal plant products that are for sale.

All plants that were considered by local people to have medicinal properties were collected and identified. These plants not only included wild species but also cultivated plants and wild plants that had been taken from the forest and planted in gardens. The specimen was deposited at the Biodiversity centre of the Vietnam Forestry University.

The importance of medicinal plant species was identified using standard Participatory Rural Appraisal (PRA) techniques (Ngai 2001) where local people were asked to rank a list of regularly used local medicinal plants.

STUDY AREA

Ba Vi National Park was established in 1992. A core zone area about 3000 ha, and buffer zone of approximately 15,000 ha. Flora of the Park has about 800 plant species, belong to 427 genera and 98 families. Out of them 13 local endemics species, 10 species listed in the Vietnamese Red Data Book for rare and endangered plants. There is a population of some 46,000 people, belonging to Kinh, Muong and Dao groups living in the Park. Of them, Kinh (Viet) is the major group, Dao and Muong are ethnic minority groups and they constitute the major users of Medicinal plants in the Park and depend on harvesting of natural

resources. This study focuses on traditional medicinal plants are defined and used by two this ethnic groups.



Picture 1: Students at study medicinal plant specimens at the Biodiversity centre, Vietnam Forestry University

RESULTS

Diversity of medicinal plants

A total of 257 medicinal plant species were used by Dao and Muong local people in Ba Vi National Park belonging to 204 genera and 81 families. These species were involved in 313 different treatments. Of them, Dao ethnic group used 144 species, Muong ethnic group used 30 species and 83 species were used by both ethnic minority groups. For most species only one recipe was mentioned; some have multiple medicinal applications. A complete list of species and their local medicinal uses is given in Appendix.

Most of the medicinal plant species in Ba Vi National Park are angiosperms, only 1 species belong to the gymnosperms and 2 species are ferns.

Diversity of taxa is shown in Table 1.

Table 1. Diversity of taxa

Taxa	Number of medicinal species
Ferns	2
Gymnosperms	1
Angiosperms	254
Total	257

Among the 81 families, the top 10 families with the highest number of medicinal species in the area are listed in Table 2. The total of the top 10 families with 98 species and 38.1 % of total plant species were used by Dao and Muong in the research area. Euphorbiaceae is the highest family with 17 plant species was

used by Muong and Dao. While 12 families with 3 species, 19 families with 2 species and 27 families has only 1 species were used as medicinal plant.

Table 2. The 10 families with the highest numbers of medicinal species

Name of Family	Number of genera	Number of species
Euphorbiaceae	13	17
Rubiaceae	10	15
Asteraceae	10	13
Moraceae	5	10
Menispermaceae	7	10
Fabaceae	7	7
Verbenaceae	4	7
Rutaceae	6	7
Caesalpiniaceae	5	6
Apocynaceae	6	6

Among the 257 species of medicinal plants were used by Dao and Muong ethnic groups in Ba Vi National Park 74% of the species were collected from the wild. Eleven percent of the species were both taken from the forest, and also grown in the home gardens and agricultural field. Fifteen percent of the species were cultivated in home gardens. This practice helps to develop the medicinal plant resources, and also makes them more widely available, especially when derived from rare and endangered species. Percentage of wild and cultivated medicinal plants species were used by Dao and Muong people in Ba Vi National Park is shown in Fig. 1.

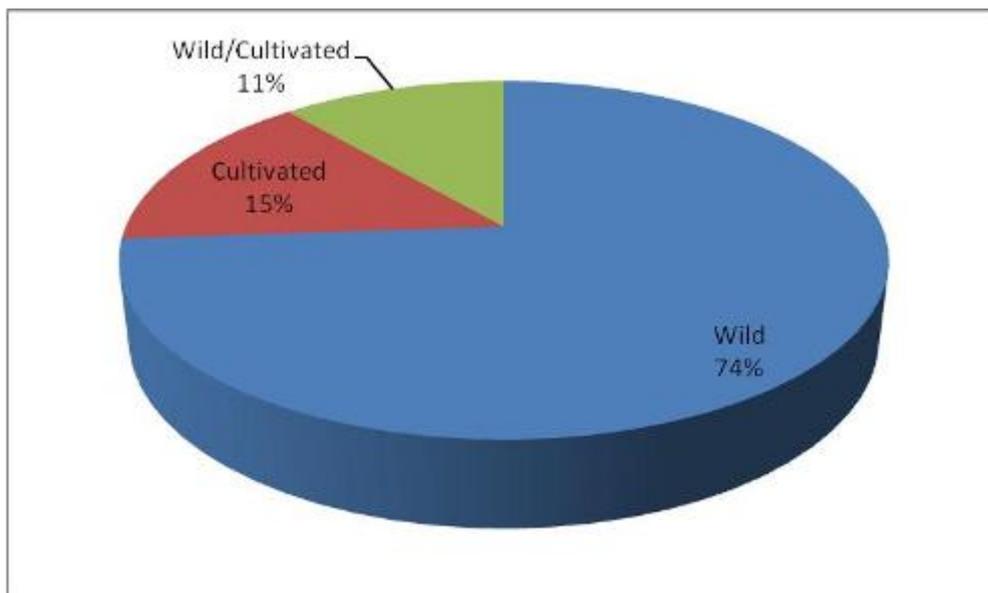


Fig. 1. Percentage of wild and cultivated medicinal plants species were used by Dao and Muong people in Ba Vi National Park.

Diversity of life forms of medicinal plants

The most important life form of medicinal plants used by Dao and Muong in Ba Vi National Park is herbs with 29 percents. They usually grow on the poor forest, along forest edges, foot paths and roads, in agriculture fields and planted in home garden. They are mainly Asteraceae, Lamiaceae, Araceae, and Zingiberaceae. Next in order of importance are timber trees with 27 percents, mainly belonging to Moraceae, Caelsapiniaceae, Euphorbiaceae, Rutaceae and Sapindaceae. Shrubs groups is 24 percents and mainly belong to Malvaceae and Rubiaceae. The smallest groups are formed by lianas with 20 percents and mainly belong to Cucurbitaceae, Asclepiadaceae, and Menispermaceae. Shrubs growing in the forest or along streams mainly are Myrtaceae and Solanaceae. The diversity of of the life forms of medicinal plants used by Dao and Muong in Ba Vi National Park is shown in Fig. 2

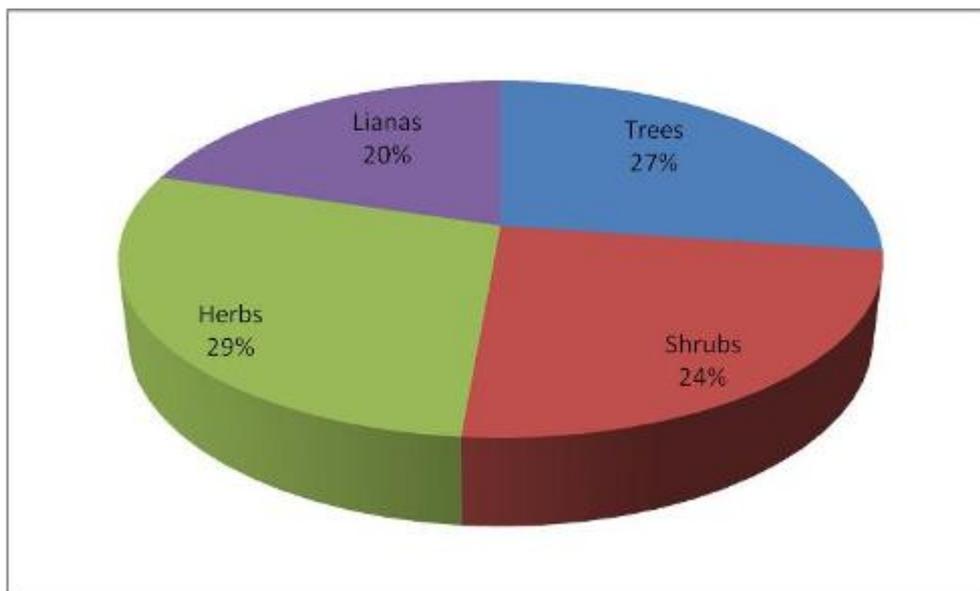


Fig. 2. Percentage of life forms of medicinal plants species used by Dao and Muong in Ba Vi National Park.

Diversity of plant parts used

Different plant parts are used to treat different diseases: Some medicinal plant species have only one component that can be used, while for other species several components or the whole plant can be used for diseases treatment. In Ba Vi National Park, Dao and Muong used 15 species with the whole plant for diseases treatment, while the other species only one, two, three or four components can be used to treat diseases.

Leaves are most commonly used with 56,4 percents of total species. Roots and rhizomes are the second important part with 37,4 percents. Stems are also common used by Dao and Muong. The smallest part is bulb with only 3 medicinal plant species were used for diseases treatment. The diversity of parts used is indicated in Table 3

Table 3. Diverse parts of medicinal plants used by Dao and Muong in Ba Vi National Park

Parts of plant	Number of species	Percent of total
Leaves	145	56,4
Root, rhizome	96	37,4
Stem	74	28,8
Bark	33	12,8
Fruit	17	6,6
Whole plant	15	5,8
Seed	7	2,7
Tuber	7	2,7
Flower	6	2,3
Bulb	3	1,2



Picture 2: Together with Dao people preparing medicinal plant product

Diseases treated with medicinal plants

The 257 medicinal plant species in Ba Vi National Park were used by Dao and Muong for treatment of 63 different diseases.

For 24 of these diseases local people use only one medicinal plant for each disease. For 7 of the 63 diseases local people used two plant species for treatment of each disease. For 5 diseases local people used three plant species for treatment of each disease. The highest number of species was used to treat weakness (tonic), stomach ache, dysentery, diarrhea, flu, Indigestion, and snake bite (see Table 4).

Table. 4. Number of family, genus and plant species used for different illnesses in Ba Vi National Park by Muong and Dao.

Medicinal application	Number of family	Number of genus	Number of species
Tonic	21	31	32
Stomach ache	18	22	24
Dysentery	17	20	21
Diarrhea	9	11	17
Flu	13	14	15
Indigestion	13	13	14
Snakebite	12	14	14
Tooth ache	10	14	14
Rheumatism	11	13	13
Wounds	11	13	13
Cold	9	9	12
Itches	9	11	12
Malaria	9	10	12
Bone fractures	8	9	9
Head ache	7	9	9
Arthritis	6	8	8
Detoxification	8	8	8
Haemostatic	5	5	7
High blood pressure	6	7	7
Oedema	7	7	7

Fever	6	6	6
Infection	6	6	6
Irregular menses	4	5	6
Coughs	5	5	5
Hemorrhage	1	1	4
Kidney failure	4	4	4
Sores	4	4	4
Back pain	3	3	3
Burns	3	3	3
Hookworm	2	3	3
Liver	3	3	3
Sore throat	3	3	3
Allergies	2	2	2
Anodyne	2	2	2
Aphrodisiacs	1	1	2
Colitis	2	2	2
Menorrhagia	2	2	2
Risk of miscarriage	2	2	2
Sunburn	1	1	2
Aphasia	1	1	1
Cancer	1	1	1
Constipation	1	1	1
Diabetes	1	1	1
Dyspnoea	1	1	1
Enteritis	1	1	1
Eye sores	1	1	1
Food poisoning	1	1	1
Helminthiasis	1	1	1
Herpes	1	1	1
Hiccups	1	1	1
Icterus	1	1	1
Leprosy	1	1	1
Lost voice	1	1	1
Measles	1	1	1
Metritis	1	1	1
Mumps	1	1	1
Nervous debility	1	1	1
Pneumonia	1	1	1
Skin diseases	1	1	1
Splenitis	1	1	1

Styptic	1	1	1
Tuberculosis	1	1	1
Urinating problems	1	1	1

Who is collecting medicinal plants?

From interviewing households and key informants, it emerged that women collect medicinal plants more than men at almost every age level, especially in the age classes of over 26 years old. This indicates that women are mainly responsible for health care. Young people are rarely engaged in collecting medicinal plants (Table 5).

Table 5: Percentage of gender and age level of Muong and Dao in Ba Vi National Park harvesting medicinal plants

Age	Gender	Percentage of individuals collecting medicinal plants (%)
> 50	Male	15
	Female	34
26 - 50	Male	13
	Female	27
16 - 25	Male	4
	Female	4
< 16	Male	1
	Female	2
<i>Average % of Males</i>		33
<i>Average % of Females</i>		67

Conservation status

Five medicinal plant species used by Muong and Dao ethnic minority groups from Ba Vi are listed in in the Red Data Book of Vietnam Vol. 2 (Ban 2007) (Table 6).

Table 6. Medicinal plants in Ba Vi National Park listed in the red data book of Vietnam. E - Endangered; V - Vulnerable; T - Threatened

Species	Family	Threat category in Red data book Vietnam
<i>Anoectochilus roxburghii</i> (Wall.) Lindl.	Orchidaceae	E
<i>Ardisia silvestris</i> Pit.	Myrsinaceae	V
<i>Drynaria fortunei</i> (Mett.) J. Sm	Polypodiaceae	T
<i>Polygonum multiflorum</i> Thunb.	Polygonaceae	V
<i>Rauvolfia verticillata</i> (Lour.) Baill.	Apocynaceae	V

Commercialization of medicinal plants

A total of 51 medicinal plant species in Ba Vi National Park are commercialized. Most of the species are sold to traders or in the market of the Son Tay City. Many people from Ha Noi and neighboring provinces also come to Ba Vi to buy medicinal plant for disease treatment.

Medicinal plants is not only important for health care system in the research area, but also significant contribute for generate income of household in the research area. The average income of household from medicinal plants is 270 USD (about 29% of total income of household).



Picture 3: Dao people is selling medicinal plants in local market



Picture 4: Traditional doctor with their medicinal plant product at home

Difference between Dao and Muong Ethnic groups

Number of medicinal plant species

A total of 257 medicinal plant species used by Muong and Dao in Ba Vi National Park. Of them 144 species used by Dao, 30 species used by Muong and 83 species used by both ethnic groups (different number of taxa used by Muong and Dao (see in table 7). Dao ethnic group has better knowledge on using medicinal plant than Muong, they also has much experience on collecting and trading medicinal plants. Most tradition doctor in Ba Vi National Park is Dao ethnic group.

Table 7: Number of taxa used by Muong and Dao

Taxa	Number of taxa used by Ethnic group		
	Dao	Dao, Muong	Muong
Species	144	83	30
Genus	127	76	30
Family	67	50	25

Different knowledge on medicinal uses

Muong and Dao ethnic groups not only different of number of medicinal plant species, but also different on using medicinal plant for disease treatment. A total of 83 plant species (32%) were used by both Muong and Dao to treat the same diseases. Remain species are totally different on diseases treatment or only partly the same.

There are 11 species have at least one medical uses the same of Muong and Dao, but one of them (Muong or Dao) still has at least one more medical uses. For example *Kyllinga monocephala* both Dao and Muong used to treat flu and fever, but only Dao use to treat skin diseases. *Plantago asiatica* (Plantaginaceae) both Muong and Dao use to treat flu, but only Dao use to treat kidney failure; *Asparagus cochinchinensis* (Asparagaceae) both Muong and Dao

use to treat tuberculosis, but only Dao use to treat snakebite. *Clerodendrum fragrans* (Verbenaceae) both Muong and Dao used to treat irregular menses, haemostatic, but only Muong use to treat rheumatism

A total of 23 medicinal plant species were used by both Muong and Dao, but there are no similarities in the medicinal uses. For example *Gnetum montanum* (Gnetaceae) Dao used fruits to treat Detoxification, but Muong used leaves to snakebite. *Catharanthus roseus* (Apocynaceae). Dao used roots and stems to treat high blood pressure, but Muong used leaves to treat irregular menses; *Antidesma ghaesembilla* (Euphorbiaceae) Dao used leaves and bark to treat cough and rheumatism, Muong also used bark but to treat head ache.

CONCLUSION

A total of 257 medicinal plant species were used by Dao and Muong people in Ba Vi National Park belonging to 204 genera and 81 families. These species were involved in 313 different treatments. Of them, Dao ethnic group used 144 species, Muong ethnic group used 30 species and 83 species were used by both ethnic minority groups

Women in Ba Vi National Park are mainly responsible for health care of their household, they have better knowledge on medicinal plant than man and also mainly engaged in collecting medicinal plants.

Medicinal plants is not only important for health care system in the research area, but also significant contribute for generate income of household in the research area with 51 species are commercialized in the research area. The average income of household from medicinal plants is 270 USD (about 29% of total income of household).

Dao ethnic group has better knowledge and experience on medicinal plant than Muong, they use much more species on diseases treatment compare with number of plant species were used by Muong people in the research area. Knowledge on using medicinal plant to treat disease is also difference. Beside 83 species are similar on medicinal uses, there are 11 species have at least one medical uses the same of Muong and Dao, but one of them (Muong or Dao) still has at least one more medical uses. Additional 23 medicinal plant species were used by both Muong and Dao, but there are no similarities in the medicinal uses

Medicinal plant species in Ba Vi National Park are important for both health care system and income for local people. However they are also facing to lost and threat because of over exploitation. Five medicinal plant species used by Muong and Dao ethnic minority groups from Ba Vi are listed in in the Red Data Book of Vietnam

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APPENDIX 1
MEDICINAL PLANT SPECIES USED BY DAO AND MUONG ETHNIC GROUPS IN BA VI NATIONAL PARK

Life-form

Wild/Cultivated:

W: Wood S: Shrub

H: Herb L: Liana

W: Wild

C: Cultivated

*Medicinal plant species are commercialized in Ba Vi National Park

Name		Life form	Ethnic group	Wild/Cultivated	Part utilized	Medicinal application
Scientific name	Common name					
Polypodiophyta						
Dicksoniaceae						
	Họ Long cu li					
<i>Cibotium barometz</i> (L.) J. Sm.*	Lông cu li	S	Dao, Muong	W	Root	Haemostatic
Polypodiaceae						
	Họ Dương xỉ					
<i>Drynaria fortunei</i> (Mett.) J. Sm. *	Cốt toái bò	H	Dao	W	Stem, root	Tonic
Pinophyta						
Gnetaceae						
	Họ Gấm					
<i>Gnetum montanum</i> Markgraf	Gấm	L	Dao	W	Fruit	Detoxification
			Muong		Leaves	Snakebite
Magnoliophyta						
	Ngành Ngọc Lan					
Magnoliopsida						
	Lớp Ngọc Lan					
Acanthaceae						
	Họ Ô rô					
<i>Rhinacanthus nasutus</i> (L.) Kurz	Bạch hạc	S	Dao	W	Leaves, stem	Herpes, itches, wounds
<i>Strobilanthes cystolithiger</i> Lind.	Chùy hoa	H	Dao	W	Leaves	Bone fractures
Amaranthaceae						
	Họ Dền					
<i>Amaranthus viridis</i> L.	Đơn đỏ	H	Dao, Muong	W	Leaves, root	Snakebite, cold
<i>Amaranthus spinosus</i> L.	Dền com	H	Dao, Muong	C	Root	Fever, cold
<i>Celosia cristata</i> L.	Mào gà	H	Dao	C	Whole plant	Diarrhea
Annonaceae						
	Họ Na					
<i>Annona squamosa</i> L.	Na	W	Dao	C	Leaves	Sores
<i>Desmos cochinchinensis</i> Lour.	Hoa giê	L	Dao	W	Stem	Constipation
<i>Fissistigma villosum</i> Ast. & Merr.	Cánh hoa	L	Dao	W	Leaves, bark	Stomach ache
<i>Xylopiá vielana</i> Pierre	Dền	W	Dao, Muong	W	Root	Malaria

			Dao		Bark, leaves	Irregular menses
Apiaceae	Họ Hoa tán					
<i>Centella asiatica</i> (L.) Urb. *	Rau má	H	Dao, Muong	W	Whole plant	Detoxification, tonic
Apocynaceae	Họ Trúc đào					
<i>Alstonia scholaris</i> L.	Sữa	W	Dao	W,C	Bark	Irregular menses
<i>Plumeria rubra</i> L.	Đại	W	Dao	C	Leaves, flower	Diarrhea
<i>Rauwolfia verticillata</i> (Lour.) Baill.	Ba gạc	S	Dao, Muong	W	Leaves	Sores, itches
<i>Strophanthus caudatus</i> (Burm. F.) Kurz	Sừng Châu	L	Dao	W	Whole plant	High blood pressure
<i>Catharanthus roseus</i> (L) G.Don	Dừa cạn	H	Dao	W	Root, stem	High blood pressure
			Muong		Leaves	Irregular menses
<i>Wrightia annamensis</i> Eberh. & Dub.	Mức trung bộ	S	Dao	W	Leaves	Dysentery
Araliaceae	Họ Ngũ ra bì					
<i>Acanthopanax aculeatus</i> Seem*	Ngũ gia bì gai	L	Dao	W	Root	Rheumatism
<i>Aralia armata</i> Seem.	Đơn châu chấu	W	Dao, Muong	W	Root	Sore throat
<i>Aralia touranensis</i> Ha	Cuồng	L	Dao	W	Leaves	Rheumatism
			Muong		Root	Diabetes
<i>Polyscias fruticosa</i> Harms *	Đình lăng	H	Dao, Muong	C	Leaves, root	Tonic, Indigestion
<i>Schefflera octophylla</i> (Lour.) Harms	Chân chim	W	Dao	W	Leaves, bark	Itches
			Muong		Leaves	Tonic
Asclepiadaceae						
<i>Gymnema inodorum</i> Decne	Rau mơ	L	Dao, Muong	C	Root	Indigestion
<i>Cryptolepis buchanani</i> Roem. et Schult.	Dây càng cua	L	Dao	W	Leaves	Allergies
<i>Streptocaulon griffithii</i> Hook.f. *	Hà thủ ô	L	Dao	W	Root	Tonic
<i>Streptocaulon juvenas</i> Merr.*	Hà thủ ô	L	Dao, Muong	W	Root	Tonic
<i>Telosma cordata</i> (Burm.f.) Merr.*	Hoa lý	L	Dao, Muong	C	Flower	Tonic, cold
Asteraceae	Họ Cúc					
<i>Artemisia vulgaris</i> L.*	Ngải cứu	H	Dao, Muong	C	Leaves	Head ache
			Dao		Stem, leaves	Risk of miscarriage
<i>Blumea balsamifera</i> (L.) DC.*	Đại bi	H	Dao	W	leaves	Flu
			Dao		Stem	Stomach ache
<i>Blumea lacrea</i> (Burm.f.) DC	Cải dai	H	Dao	W	Stem	Detoxification

<i>Eclipta excavate</i> L.	Nhọ nổi	H	Dao, Muong	W	Root	Wounds
<i>Elephantopus scaber</i> L.	Cúc chi thiên	H	Dao	W	Root	Dysentery
<i>Emilia sonchifolia</i> (L.) DC.	Rau má lá rau muống	H	Dao	W	Leaves, root	Dysentery
<i>Eupatorium odoratum</i> L.	Cỏ lào	H	Muong	W	Leaves	Diarrhea
<i>Eupatorium staechadosmum</i> Hance	Mần tưới	H	Dao	W	Stem	Indigestion
<i>Gnaphalium polycaulon</i> Pers.*	Rau khuc	H	Muong	W	Leaves	High blood pressure
<i>Gynura crepidioides</i> Benth.	Rau tàu bay	H	Dao	W	Leaves, stem	Snakebite, Haemostatic
<i>Gynura japonica</i> (Thunb.) Juel	Cúc Tam Thất	H	Dao	W	Leaves, root	Infection , Haemostatic
<i>Laufuca indica</i> L.	Bồ công anh	H	Dao, Muong	W, C	Stem, leaves	Stomach ache
<i>Xanthium strumarium</i> L.	Ké đầu ngựa	H	Dao	W	Stem, leaves	Dysentery
Bignoniaceae	Họ Đinh					
<i>Oroxylum indicum</i> (L.) Vent.	Núc Nác	W	Dao	W	Bark	Allergies
Bombacaceae	Họ Bông Gạo					
<i>Bombax ceiba</i> Merr.	Gạo	W	Dao	W,C	Leaves, bark	Bone fractures
			Muong		Bark	Dysentery
Boraginaceae	Họ Vòi voi					
<i>Argusia argentea</i> (L.f.) H.Heine	Bạc biển	S	Muong	W	Leaves	Snakebite
<i>Heliotropium indicum</i> L.	Vòi voi	S	Dao	W	Leaves, bark	Oedema
Caesalpiniaceae	Họ Vang					
<i>Caesalpinia digyna</i> Rottler	Móc mèo	S	Dao	W	Stem	Fever , Tonic
<i>Caesalpinia sappan</i> L.*	Vang	W	Dao	W	Leaves, root	Diarrhea
<i>Cassia occidentalis</i> L.	Muồng	W	Dao	W	Seed	Tonic
<i>Senna tora</i> L.	Thảo quyết minh	S	Muong	W	Flower, Seed	High blood pressure
<i>Gleditsia australis</i> Hemsl.	Bồ kết	W	Muong, Dao	W,C	Fruit	Lost voice, Tooth ache
<i>Tamarindus indica</i> L.*	Me	W	Dao	W,C	Fruit	Indigestion
Capparaceae	Họ Bún thiều					
<i>Cleome viscosa</i> L.	Bún thiêu	W	Dao	W	Stem, leaves	Head ache, rheumatism
<i>Crateva nurvala</i> Buch. - Ham.	Màn màn	H	Muong	W	Leaves	Head ache
Caprifoliaceae	Họ Kim ngân					
<i>Lonicera macrantha</i> (Don D.) Spreng.	Kim ngân	L	Dao	W	Leaves	Dysentery
<i>Sambucus hookeri</i> Rehder	Cơm cháy	W	Dao	W	Leaves, stem	Leprosy
<i>Viburnum lutescens</i> Blume	Vút	W	Muong	W	Leaves, stem	Oedema

Caricaceae	Họ Đu đủ					
<i>Carica papaya</i> L.	Đu đủ	W	Muong	C	Root, leaves	Coughs
			Dao		Fruit	Detoxification
Clusiaceae	Họ Bứa					
<i>Garcinia oblongifolia</i> Champ. Ex Benth.	Bứa	W	Dao	W	Bark	Stomach ache
Combretaceae	Họ Bàng					
<i>Quisqualis indica</i> L.	Dây giun	W	Dao	W	Leaves	Itches
			Muong		Stem	Tooth ache
Connaraceae	Họ Khế					
<i>Cnestis palala</i> Merr.	Dây khế	L	Dao	W	Leaves	Wounds
Convolvulaceae	Họ Rau muống					
<i>Argyreia acuta</i> Lour.*	Bạc thau	L	Dao	W	Stem, leaves, root	Menorrhagia
<i>Merremia boisiana</i> (Gagnep.) V. Ooststr.	Bìm bịp	L	Dao, Muong	W	Leaves	Indigestion
Crassulaceae	Họ Thuốc bỏng					
<i>Kalanchoe pinnata</i> (Lam.) Pers.	Thuốc bỏng	H	Dao	W,C	Stem, leaves	Detoxification
			Muong, Dao		Leaves	Burns
Cucurbitaceae	Họ Bầu bí					
<i>Cucurbita maxima</i> Duch. Ex Lam	Bí đỏ	L	Muong	C	Fruit	Head ache
<i>Hodgsonia macrocarpa</i> (Blume) Cogn.	Đại hái	L	Dao	W	Leaves	Wound
<i>Momordica cochinchinensis</i> (Lour.) Spreng.	Gấc	L	Dao, Muong	C	Seed	Mumps,
<i>Trichosanthes cucumeroides</i> (Ser.) Maxim.	Dưa núi	L	Dao	W	Leaves, stem	Fever
Dilleniaceae	Họ Sỗ					
<i>Tetracera scandens</i> (L.) Merr.	Chặc chiu	L	Dao	W	Root	Rheumatism
<i>Tetracera asiatica</i> (Lour.) Hoogl.	Chặc chiu	L	Dao	W	Leaves, stem	Enteritis
Elaeagnaceae	Họ Nhót					
<i>Elaeagnus bonii</i> Lecomte	Nhót	S	Dao, Muong	C	Stem	Dysentery
<i>Elaeagnus tonkinensis</i> Serv.	Nhót bắc bộ	S	Dao	W	Root	Stomach ache
Euphorbiaceae	Họ Thầu dầu					
<i>Aporosa myrcocalyx</i> Hassk	Thầu tầu	W	Dao	W	Root	Tooth ache
<i>Aleurites moluccana</i> (L.) Willd.	Lai	W	Dao	W	Fruit	Diarrhoea, dysentery
<i>Antidesma bunius</i> (L.) Spreng.	Chòi mòi tía	W	Muong	W	Stem, bark	Fever
<i>Antidesma ghaesembilla</i> Gaertn.	Chòi mòi	W	Dao	W	Leaves, bark	Coughs, rheumatism
			Muong		Bark	Head ache

<i>Baccaurea ramiflora</i> Lour.*	Dâu da đất	W	Dao	W,C	Leaves	Indigestion
<i>Bischofia javanica</i> Blume*	Nhội	W	Muong	W	Bark, leaves	Burns
			Dao			Tonic
<i>Breynia fleuryi</i> Beille	Bò cu vễ	S	Dao	W	Root	Snake bite
<i>Euphorbia antiquorum</i> L.	Xương rồng	H	Dao, Muong	W,C	Stem	Tooth ache
<i>Euphorbia hirta</i> L.*	Cỏ sữa	H	Dao	W	Whole plant	Dysentery
<i>Euphorbia thymifolia</i> Burm	Cỏ sữa lá nhỏ	H	Dao	W	Whole plant	Dysentery
<i>Glochidion velutinum</i> Wight	Bọt ếch	S	Muong	W	Leaves, stem	Stomach ache
			Dao		Root	Tooth ache
<i>Homonoia riparia</i> Lour.	Rù rì	S	Dao	W	Root	Flu, detoxification
<i>Jatropha curcas</i> L.	Dầu mè	W	Muong	W	Leaves, stem	Head ache
			Dao		Stem	Kidney failure
<i>Mallotus barbatus</i> (Wall.) Muell. – Arg.	Bùm bụp	S	Dao	W	Leaves, root	liver
<i>Phyllanthus xcvate</i> es Poir.	Phèn đen	S	Dao	W	Leaves	Tooth ache
<i>Phyllanthus urinaria</i> L.	Chó đẻ	S	Dao	W	Whole plant	Sores
			Muong		Leaves	Snakebite
<i>Ricinus communis</i> L.	Thầu dầu	S	Dao	C	Stem, bark	Tonic
Fabaceae	Họ Đậu					
<i>Abrus precatorius</i> L.*	Cam thảo	S	Dao	W	Whole plant	Coughs, flu,
			Muong		Stem	Tonic
<i>Bowringia callicarpa</i> Champ. Ex Benth.	Dây bánh nem	S	Dao	W	Leaves	Rheumatism
<i>Desmodium caudatum</i> (Murray) DC.	Thóc lép	H	Dao	W	Root	Oedema
<i>Erythrina fusca</i> Lour.	Vông đồng	W	Muong, Dao	W,C	Bark, stem	Hemorrhage
			Dao		Bark	Tooth ache
<i>Mucuna pruriens</i> (L.) DC.	Mắc mèo	L	Dao	W	Stem	Tonic
<i>Pueraria phaseoloides</i> (Roxb.) Benth.	Sắn dây	L	Dao, Muong	C	Tuber	Tonic
<i>Sophora japonica</i> L. f.*	Hoa hòe	W	Dao, Muong	W,C	Seed, flower	High blood pressure, tonic
 Icacinaceae	Họ thụ đào					
<i>Gomphandra tonkinensis</i> Gagnep	Béo trắng	W	Dao	W	Root	Tonic
<i>Gonocaryum subrostratum</i> Pierre	Quỳnh lam	H	Muong	W	Whole plant	Colitis
Illiciaceae	Họ hồi					
<i>Illicium griffithii</i> Hook.f. et.	Hồi núi	W	Dao	W	Root,	Rheumatism

Thoms*					stem	
Lamiaceae	Họ Hoa môi					
<i>Hyptis suaveolens</i> (L.) Poit.	Tía tô dại	H	Dao	W	Root, leaves	High blood pressure, tonic
<i>Leonurus sibiricus</i> L.	Ích mẫu	H	Dao	W,C	Leaves, stem	Tonic
			Muong		Leaves	Hemorrhage
<i>Ocimum basilicum</i> L.	Hung chó	H	Dao	C	Leaves	Kidney failure
<i>Ocimum tenuiflorum</i> L.	Hương nhu tía	H	Muong	W,C	Leaves	Head ache
Lauraceae	Họ Long não					
<i>Cinnamomum iners</i> Reinw. Ex Blume	Re hương	W	Dao	W	Bark	Indigestion
<i>Cinnamomum cassia</i> Blume*	Quế	W	Dao, Muong	C	Bark	Indigestion
			Dao		Bark	Stomach ache
<i>Litsea cubeba</i> (Lour.) Pers.*	Màng tang	W	Dao	W	Leaves, stem	Back pain, nervous debility
<i>Litsea glutinosa</i> (Lour.) C.B. Rob.	Bời lời nhót	W	Dao	W	Bark, root	Dysentery
Leeaceae	Họ Gối hạc					
<i>Leea rubra</i> Blume	Gối hạc	S	Dao	W	Root	Stomach ache
<i>Leea indica</i> (Burm.f.) Merr	Gối hạc đen	S	Dao	W	Stem, root	Malaria
			Muong		Root	Tooth ache
Loranthaceae	Họ Tầm gửi					
<i>Scurrula ferruginea</i> (Jack) Danser	Tầm gửi	S	Dao	W	Whole plant	Arthritis
Malvaceae	Họ Bông					
<i>Abutilon indicum</i> (L.) Sweet	Cối xay	S	Dao	W	Leaves, fruit	Flu
<i>Hibiscus rosa – sinensis</i> L.	Dâm bụt	S	Dao	W,C	Leaves, stem	Sores
<i>Sida acuta</i> Burm.f.	Ké	S	Dao	W	Leaves, stem	Malaria
<i>Sida rhombifolia</i> L.*	Ké hoa vàng	S	Dao, Muong	W	Root, stem	Malaria
<i>Urena lobata</i> L.	Ké hoa đào	S	Dao	W	Root, stem	Malaria
Melastomataceae	Họ Mua					
<i>Medinilla assamica</i> (Clarke) C.Chen	Mua leo	L	Dao	W	Leaves, stem, root	Back pain
<i>Melastoma normale</i> D. Don	Mua	S	Dao	W	Leaves, stem	Wound
<i>Melastoma sanguineum</i> Sims.	Mua bà	S	Dao, Muong	W	Leaves	Sore throat
Meliaceae	Họ Xoan					
<i>Khaya senegalensis</i> A. Juss.	Xà cừ	W	Dao	W	Leaves,	Itches

					root, bark	
<i>Melia azedarach</i> L.	Xoan	W	Dao	C	Leaves, root	Diarrhea
Menispermaceae	Họ Tiết dê					
<i>Cocculus trilobus</i>	Dây xanh	L	Dao	W	Root	Detoxification
<i>Coscinium usitatum</i>	Lá vàng	H	Dao, Muong	W	Root	Diarrhea
<i>Cissampelos pareira</i> L.*	Tiết dê	L	Dao	W	Leaves, stem, root	Rheumatism
<i>Coscinium fenestratum</i> (Gaertn.) Colebr. *	Vàng đắng	L	Dao	W	Root, stem	Dysentery, flu
<i>Fibraurea recisa</i> Pierre*	Hoàng đằng	L	Dao	W	Stem	Wounds
			Muong		Stem	Rheumatism, tonic
<i>Pericampylus glaucus</i> (Lam.) Merr.*	Lôi tiền	L	Dao	W	Leaves, stem	Snakebite
<i>Pycnarrhena poilanei</i> (Gagnep.) Forman*	Phi đắng	L	Dao	W	Leaves, root	Eye sores
<i>Stephania japonica</i> (Thunb.) Miers*	Cam thảo	L	Dao	W	Stem, root	Diarrhea
<i>Stephania longa</i> Lour.*	Lôi tiền	L	Dao	W	Root	Stomach ache
<i>Stephania rotunda</i> Lour.*	Củ bình vôi	L	Muong	W	Tuber	Stomach ache, cold
Mimosaceae	Họ Trinh nữ					
<i>Entada phaseoloides</i> (L.) Merr.	Bấm Bấm	L	Dao	W	Bark, leaves	Itches
<i>Leucaena leucocephala</i> (Lam.) De Wit	Keo dậu	W	Muong	W,C	Seed	Hookworm
<i>Mimosa pudica</i> L.	Cây xấu hổ	L	Dao	W	Root	Anodyne
Moraceae	Họ Dâu tằm					
<i>Artocarpus tonkinensis</i> A. Chev. Ex Gagnep.*	Chay	W	Dao	W,C	Bark	Tooth ache
<i>Broussonetia papyrifera</i> L.	Dương	W	Dao	W	Leaves, root	Haemostatic
<i>Ficus auriculata</i> Lour.	Vả	W	Dao, Muong	W	Bark	Diarrhea
<i>Ficus heterophylla</i> L.f.	Vú bò	S	Dao	W	Root, stem	Icterus
			Dao		Latex	Itches
<i>Ficus hispida</i> L.f.	Ngái	S	Dao	W	Bark, leaves	Diarrhea
<i>Ficus racemosa</i> L.	Sung	W	Muong	W,C	Leaves, bark	Stomach ache, dysentery
<i>Ficus rumphii</i> Blume	Bồ đề	W	Dao	W	Fruit	Helminthiasis
			Muong		Latex	Itches
<i>Ficus vasculosa</i> Wall. ex Miq.	Da bông	W	Dao	W	Leaves, root	Cancer
<i>Morus alba</i> L.	Dâu	W	Muong	W,C	Fruit	Tonic
<i>Streblus asper</i> Lour.	Duối	W	Muong,	W,C	Leaves	Flu, wound

			Dao			
Myrsinaceae	Họ Đơn nem					
<i>Ardisia silvestris</i> Pit.*	Lá khô	H	Dao	W	Fruit, leaves	Stomach ache
<i>Embelia ribes</i> Burm.f.	Chua ngút	L	Dao	W	Leaves, fruit	Hookworm
			Dao, Muong		Leaves, bark	Snakebite
<i>Maesa balansae</i> Mez	Đơn nem núi	S	Dao	W	Leaves	Hiccups
			Dao		Leaves	Hookworm
<i>Maesa sinensis</i> DC. A.	Đơn nem	S	Muong, Dao	W	Leaves, stem	Oedema
Myrtaceae	Họ Sim					
<i>Baeckea frutescens</i> L.	Thanh hao	S	Muong	W,C	Leaves	Infection
<i>Eucalyptus exserta</i> F.Muell.	Bạch đàn	W	Dao, Muong	C	Leaves	Colds, flu, head ache
<i>Eucalyptus camaldulensis</i> Dehnh.	Bạch đàn trắng	W	Dao, Muong	C	Leaves	Colds, flu
<i>Psidium guajava</i> L.	Ổi	W	Muong	C	Leaves	Diarrhea, dysentery
<i>Rhodomyrtus tomentosa</i> (Aiton) Hassk.	Sim	S	Dao	W	Stem, root	Diarrhea
Nyctaginaceae	Họ hoa phần					
<i>Boerhaavia repens</i> *	Sâm nam	H	Dao	W	Root	Liver
Oleaceae	Họ Hoa nhài					
<i>Jasminum scandens</i> Vahl	Lài leo	L	Dao	W	Root, stem, leaves	Back pain
<i>Jasminum subtriplinerve</i> DC. A.	Vàng	L	Dao	W	Leaves, root, stem	Itches, tonic
Onagraceae	Họ Rau dền nước					
<i>Ludwigia adscendens</i> (L.) Hara	Rau Dền nước	H	Dao	W	Whole plan	Flu, Colitis
<i>Ludwigia octovalvis</i> (Jacq.) Raven	Rau muống	H	Muong	W	Whole plan	Indigestion
Oxalidaceae	Họ Chua me					
<i>Oxalis corniculata</i> L.	Chua me đất	H	Dao	W	Stem, leaves, root	Malaria
Passifloraceae	Họ Lạc tiên					
<i>Passiflora foetida</i> L.	Lạc tiên	L	Dao	W	Root, leaves, stem	Heart tonic, anodyne
Piperaceae	Họ Tiêu					
<i>Peperomia pellucida</i> (L.) Kunth	Càng cua	H	Muong	W	Leaves, stem	Malaria, head ache
			Muong		Stem	Stomach ache
<i>Piper betle</i> L.	Trầu không	L	Dao	C	Leaves	Wounds
<i>Piper lolot</i> C.DC.*	Lá lốt	H	Dao	C	Leaves	Tooth ache, tonic

Plantaginaceae	Họ Mã đề					
<i>Plantago asiatica</i> L.*	Mã đề	H	Dao	W,C	Leaves, stem	Kidney failure
			Dao, Muong		Leaves, stem	Flu
Polygonaceae	Họ Rau răm					
<i>Polygonum chinensis</i> L.	Mía giò	H	Dao	W	Leaves, stem	Dysentery
			Muong		Leaves	Snakebite
<i>Polygonum multiflorum</i> Thunb. *	Hà thủ ô	H	Muong	W	Root	Tonic
<i>Polygonum odoratum</i> Lour.	Rau răm	H	Dao	C	Leaves	Malaria
Portulacaceae	Họ Rau sam					
<i>Portulaca oleracea</i> L.	Rau sam	H	Muong, Dao	W	Stem, leaves	Tonic
Punicaceae	Họ Lựu					
<i>Punica granatum</i> L.	Lựu	W	Dao	C	Leaves	Dysentery
Rhamnaceae	Họ Táo		Dao			
<i>Ziziphus mauritiana</i> Lam.	Táo nhà	W	Dao	C	Leaves, root	Rheumatism
			Muong		Leaves	Stomach ache
<i>Ziziphus oenoplia</i> (L.) Mill.	Táo dại	W	Muong	W	Leaves, bark	Menorrhagia
Rosaceae	Họ Hoa Hồng					
<i>Duchesnea indica</i> (Andr.) Focke	Dâu núi	H	Dao	W	Leaves, root, stem	Stomach ache
<i>Persica vulgaris</i> Mill.	Đào	S	Dao	W,C	Flower, stem	Irregular menses
<i>Rosa chinensis</i> Jacq.	Hoa hồng	S	Muong	C	Flower, stem	Hemorrhage
<i>Rubus cochichinnensis</i> Tratt.	Ngây	S	Dao	W	Leaves, fruit	Indigestion, oedema
Rubiaceae	Họ Cà Phê					
<i>Aidia cochinchinensis</i> (Lour.) Merr.	Đuôi lươn	W	Dao	W	Leaves, stem	Malaria
			Muong		Leaves	Snakebite
<i>Aidia oxydrala</i> Orake Jam	Đuôi lươn	W	Dao	W	Leaves, stem	Malaria
<i>Canthium horridum</i> Blume	Găng gai	S	Dao	W	Root	Dyspnoea, wounds
<i>Hedyotis capitellata</i> Wall. Ex G.Don	Dạ cầm	S	Muong, Dao	W	Leaves, stem	Bone fractures
<i>Morinda officinalis</i> Haw.*	Ba Kích	L	Muong, Dao	W	Root, stem	Aphrodisiacs
			Dao		Root, bark	High blood pressure
<i>Ixora diversifolia</i> Wall.	Mẫu đơn	S	Dao	W	Leaves	Wounds
<i>Lasianthus annamicus</i> Pit.	Găng	W	Muong	W	Leaves	Oedema
<i>Morinda citrifolia</i> L.*	Mặt quỷ	S	Dao	W	Root	Aphrodisiacs
<i>Mussaenda cambodiana</i> Pierre ex Pit.	Bướm bạc	L	Muong	W	Leaves, root	Arthritis

<i>Paederia foetida</i> L.	Mơ	L	Muong, Dao	C	Leaves	Diarrhea
<i>Psychotria montana</i> Blume	Lầu núi	S	Dao	W	Leaves	Bone fractures, rheumatism
<i>Psychotria reevesii</i> Wall.	Lầu đỏ	S	Muong	W	Leaves	Tooth ache
<i>Psychotria rubra</i> (Lour.) Poit.	Lầu	S	Dao	W	Leaves, root	Kidney failure
<i>Psychotria silvestris</i> Pit.	Lầu rừng	S	Dao	W	Leaves, root, stem	Colds
<i>Randia spinosa</i> (Thunb.) Poir.	Găng trâu	W	Dao, Muong	W	Fruit	Wounds
Rutaceae	Họ Cam					
<i>Clausena excavate</i> Burm.f.	Hồng bì đại	W	Muong	W	Leaves	Stomach ache
<i>Euodia lepta</i> (Spreng.) Merr.	Ba gạc	S	Muong	W	Leaves	Measles, Itches
<i>Glycosmis pentaphylla</i> Spreng.	Cơm rượu	S	Dao	W	Leaves, root	Colds
			Muong		Bark, root	Stomach ache
<i>Murraya glabrata</i> Guillaumin	Nguyệt quế	W	Dao	W	Leaves	Infection
<i>Micromelum hirsutum</i> Oliv.	Mắt trâu	W	Dao	W	Leaves	Itches
<i>Zanthoxylum nitidum</i> (Lamk.) DC.	Xuyên tiêu	W	Dao, Muong	W	Leaves, bark	Itches
<i>Zanthoxylum avicennae</i> (Lamk.) DC.	Xên	W	Dao	W	Root, leaves	Aphasia
Sapindaceae	Họ Bồ Hòn					
<i>Allophylus macrodontus</i> Merr.	Ngoại mộc	W	Dao	W	Bark	Malaria
<i>Allophylus viridis</i> Radlk.	Ngoại mộc xanh	W	Dao	W	Bark	Arthritis
<i>Crossonophelis philippinensis</i> (Radlk.) Leenh.	Chua khét	W	Dao	W	Leaves, bark	Dysentery
Saxifragaceae	Họ Thường Sơn					
<i>Dichroa febrifuga</i> Lour.	Thường Sơn	S	Dao	W	Leaves, stem, root	Tonic
Simaroubaceae	Họ Thanh Thất					
<i>Eurycoma longifolia</i> W. Jack*	Bách bệnh	S	Muong, Dao	W	Leaves, bark, root	Diarrhea
			Dao		Leaves	Infection
Solanaceae	Họ Cà					
<i>Capsicum annuum</i> L.	Ớt	S	Dao	C	Root, fruit	Malaria
<i>Daruta metel</i> L.	Cà độc dược	S	Dao	W	Leaves, root	Tooth ache
<i>Solanum procumbens</i> Lour.	Cà leo	L	Dao		Root	Rheumatism
			Muong		Root	Tooth ache,

						snakebite
<i>Solanum torvum</i> Sw.	Cà đại	S	Muong	W	Root	Tooth ache
Sterculiaceae	Họ Chôm					
<i>Helicteres angustifolia</i> L.	Thầu kén đực	S	Dao	W	Leaves	Snakebite
<i>Sterculia lanceolata</i> Cav.	Sáng nhung	W	Dao, Muong	W	Leaves, bark	Snakebite
Styracaceae	Họ Bồ đề					
<i>Styrax tonkinensis</i> (Pierre) Craib	Bồ đề	W	Dao	W	Leaves	Pneumonia
Ulmaceae	Họ Du					
<i>Trema angustifolia</i> (Planch.) Blume	Hu đay	W	Dao	W	Leaves, bark	Burns, wounds
<i>Trema orientalis</i> (L.) Blume	Hu Đay	W	Dao, Muong	W	Leaves, bark	Diarrhea
Urticaceae	Họ Gai					
<i>Boehmeria nivea</i> (L.) Gaudich.	Gai	S	Muong, Dao	C	Root	Risk of miscarriage
<i>Debregaesia squamata</i> King	Gai rừng	S	Dao	W	Root	Styptic
<i>Pouzolzia zeylanica</i> (L.) Benn.	Bộ mần	S	Dao	W	Leaves	Infection
Verbenaceae	Họ Tách					
<i>Clerodendrum paniculatum</i> L.	Mỏ trắng	S	Dao, Muong	W	Leaves, root	Haemostatic
<i>Clerodendrum japonicum</i> (Thunb.) Sweet*	Xích đồng nam	S	Dao, Muong	W	Root	Metritis, Irregular menses
<i>Clerodendrum fragrans</i> Vent.*	Ngọc nữ	S	Muong, Dao	W	Root	Irregular menses, Haemostatic,
			Muong		Root	Rheumatism
<i>Stachytarpheta jamaicensis</i> (L.) Vahl	Cây đuôi chuột	H	Dao	W	Whole plant	Arthritis, Cold
<i>Verbena officinalis</i> L.	Cỏ roi ngựa	H	Muong, Dao	W	Leaves, root	Dysentery
<i>Vitex quinata</i> (Lour.) Williams F.N.	Đền	W	Dao	W	Fruit, leaves	Indigestion
<i>Vitex trifolia</i> L.	Đền 3 lá	W	Dao, Muong	W	Leaves	Arthritis
Vitaceae	Họ Nho					
<i>Cayratia japonica</i> (Thunb.) Gagnep.*	Nho rừng	L	Dao	C	Leaves	Bone fractures
<i>Cissus modeccoides</i> Planch.	Chìa vôi	L	Muong, Dao	W	Root, stem	Arthritis
<i>Tetragium strumarium</i> Gagnep.	Dây quai bị	L	Dao	W	Leaves	Bone fractures
			Muong		Leaves	Arthritis
Liliopsida	Lớp Hành					
Agavaceae	Họ Huyét dụ					
<i>Cordyline terminalis</i> Kunth*	Huyết dụ	H	Dao	W,C	Root, leaves	Haemostatic
Alliaceae	Họ Hành					
<i>Allium fistulosum</i> L.*	Hành	H	Muong,	C	Leaves,	Cold

			Dao		stem, bulb	
<i>Allium odorum</i> L.*	Hẹ	H	Dao	C	Leaves, seed	Cold
<i>Allium sativum</i> L.*	Tỏi	H	Dao, Muong	C	Bulb	Dysentery, coughs, flu
Araceae	Họ Ráy					
<i>Acorus gramineus</i> Aiton et Soland*	Thạch xương bò	H	Muong, Dao	W	Leaves, stem	Stomach ache
<i>Aglaonema modestum</i> Schott *	Vạn niên thanh	H	Muong	W,C	Leaves, tuber	Bone fractures
<i>Amorphophallus paeoniifolius</i> (Dennst.) Nicol.	Khoai nưa	H	Dao	W,C	Leaves	Detoxification
<i>Homalomena occulta</i> (Lour.) Schott*	Thiên niên kiện	H	Dao	W,C	Tuber	Tonic, coughs
<i>Pothos repens</i> (Lour.) Druce	Chân rết	H	Dao	W	Whole plant	Food poisoning
Arecaceae	Họ Cau dừa					
<i>Areca catechu</i> L.*	Cau	W	Muong	C	Root, fruit	Diarrhea
<i>Caryota mitis</i> Lour.	Đùng đình	W	Dao	W	Root	Stomach ache
Asparagaceae	Họ Tóc Tiên					
<i>Asparagus cochinchinensis</i> (Lour.) Merr.	Tóc tiên	H	Dao, Muong	W,C	Root	Tuberculosis
			Dao		Leaves	Snakebite
Commelinaceae	Họ Thái Lài					
<i>Commelina communis</i> L.	Thài lài	H	Muong, Dao	W,C	Stem, leaves	Dysentery
Cyperaceae	Họ Cói					
<i>Cyperus rotundus</i> L.	Cỏ gấu	H	Dao	W	Tuber	Diarrhea
<i>Kyllinga monocephala</i> Rottb.	Cỏ bạc đầu	H	Dao, Muong	W	Stem, leaves	Flu, fever
			Dao		Leaves, stem	Skin diseases
Dioscoreaceae	Họ Củ mài		Dao			
<i>Dioscorea glabra</i> Roxb.	Củ từ	L	Muong	W,C	Tuber	Dysentery
<i>Dioscorea pycnostachya</i> Prain & Burkill	Củ mài	L	Dao	W	Tuber	Fever
Iridaceae	Họ Sâm Đại Hành					
<i>Eleutherine bulbosa</i> (Mill.) Gagnep.*	Sâm đại hành	H	Dao	W	Bulb	Tonic, Indigestion
Orchidaceae	Họ Phong Lan					
<i>Anoetochilus roxburghii</i> (Wall.) Lindl*	Kim Tuyến	H	Muong, Dao	W	Whole plant	Tonic
<i>Corymborchis veratrifolia</i> (Reinw.) Blume	Lan	H	Dao	W	Leaves, stem	Tonic
Pandanaceae	Họ Dừa					
<i>Pandanus tectorius</i> Parkinson*	Dừa đại	S	Dao	W	Leaves	Hemorrhage, Sunburn,
<i>Pandanus tonkinensis</i> Mart. ex Stone*	Dừa	S	Dao	W	Fruit, Root	Sunburn, Oedema

Phormiaceae	Họ Hương bài					
<i>Dianella ensifolia</i> (L.) DC.	Hương bài	H	Muong	W	Root	Wounds, infection
Poaceae	Họ Cỏ					
<i>Chrysopogon aciculatus</i> Trin.	Cỏ may	H	Dao	W	Leaves, root, stem	Stomach ache
<i>Cymbopogon citratus</i> (DC.) Stapf. *	Sả	H	Dao	C	Whole plant	Bone fractures
<i>Eleusine indica</i> (L.) Gaertn.	Cỏ Mần trầu	H	Muong	W	Leaves	Flu
			Dao		Root	Urinating problems
Smilacaceae	Họ Cầm Càng		Dao			
<i>Smilax corbularia</i> Kunth	Kim cang bạc	L	Muong, Dao	W	Leaves, root, stem	Indigestion
<i>Smilax elegantissima</i> Gagnep.	Kim cang	L	Dao	W	Root, stem	Splenitis
<i>Smilax glabra</i> Wall. *	Thỏ phục linh	L	Dao	W	Root, stem	Arthritis, Bone fractures
Zingiberaceae	Họ Gừng					
<i>Amomum villosum</i> Lour. *	Sa nhân	H	Dao	W	Seed	Stomach ache
<i>Curcuma domestica</i> Valetton *	Nghệ	H	Dao, Muong	C	Rhizome	Sore throat, Tonic, Stomach ache
<i>Zingiber officinale</i> Blume*	Gừng	H	Dao	C	Rhizome	Tonic, Indigestion, flu
<i>Curcuma zedoaria</i> Berg.*	Nghệ đen	H	Dao	C	Rhizome	Stomach ache
<i>Alpinia zerumbet</i> (Pers.) Burtt *	Riềng	H	Dao	W,C	Rhizome	Stomach ache, flu, cold