Supplementary Materials

Table S1. Medicinal plants and uses for treatment of hypertension in northern Thailand from both primary data (field study by authors) and secondary data.

Scientific Name	Habit	Part	Preparation	Application	Type of medicine	Use reports	FC	RFC	Study area (Province)	Ethnic (References)/Voucher number
Acanthaceae										
1) *Acanthus ebracteatus* Vahl	Shrub	Leaves	Decoction	Oral ingestion	Recipes	1	1	0.0104	CRI	Tai Yuan (Tovaranonte, 2002)
2) *Andrographis paniculata* (Burm.f.) Nees [a,b]	Herb	Leaves	Decoction	Oral ingestion	Single used	14	7	0.0729	LPN	Tai Yuan (Inta et al., 2013B)
		Leaves	Decoction, Soaking, Powdering Pill, Decoction	Oral ingestion	Single used				LPN	Tai Yong (Sumridpiem, 2017)
		Non-aerial parts		Oral ingestion	Recipes				LPN	Tai Yuan (Sumridpiem, 2017)
		Leaves	Decoction	Oral ingestion	Single used				PRE	Tai Yuan (Inta et al., 2019)
		Leaves	Decoction	Oral ingestion	Recipes				CRI	Tai Yuan (Tovaranonte, 2002)
		Non-aerial parts	Decoction	Oral ingestion, Herbal steam ~~stream,~~ Bath	Recipes				CMI	P. Sumridpiem 2023 12/ Tai Yai (N=2)
3) *Asystasia gangetica* (L.) T. Anderson	Herb	Non-aerial parts	Pounding	Oral ingestion	Recipes	1	1	0.0104	LPN	Tai Yuan (Sumridpiem, 2017)
4) *Barleria lupulina* Lindl. [a]	Shrub*	Leaves	Pounding	Oral ingestion	Recipes	1	1	0.0104	LPN	Tai Yong (Sumridpiem, 2017)
5) *Clinacanthus nutans* (Burm.f.) Lindau	Climber	Leaves	Pounding	Oral ingestion	Recipes	2	2	0.0208	LPN	Tai Yong (Sumridpiem, 2017)
		Leaves	Pounding	Oral ingestion	Recipes				LPN	Tai Yuan (Sumridpiem, 2017)
6) *Justicia gendarussa* Burm.f.	Shrub*	Entire plant	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	Tai Yuan (Brun and Schmacher, 1994)
7) *Nicoteba betonica* (L.) Lindau	Shrub*	Stems, Roots	Grinding	Oral ingestion	Recipes	2	1	0.0208	CMI	P. Sumridpiem 2022 43/Tai Yai (N=1)
8) *Phlogacanthus curviflorus* (Nees) Nees	Shrub	Leaves	Decoction	Herbal steam	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 66/Tai Yai (N=1)
9) *Pseuderanthemum* lanceophyllum Choopan	Shrub	Leaves,	Decoction,	Oral ingestion	Single used	5	4	0.0416	CMI	Tai Lue (Muangyen, 2013)
		Young shoot	Fresh	Oral ingestion	Single used					
		Leaves	Fresh	Oral ingestion	Food				LPN	Tai Yuan (Sumridpiem, 2017)
		Leaves	Fresh	Oral ingestion	Food				NAN	Khamu (Srithi, 2012)
		Leaves	Fresh	Oral ingestion	Food				NAN	Mien (Srithi, 2012)
10) *Rhinacanthus nasutus* (L.) Kurz	Shrub	Leaves	Decoction	Oral ingestion	Single used	3	2	0.0208	LPN	Tai Yong (Sumridpiem, 2017)
		Leaves, Stem	Decoction	Oral ingestion	Single used				CMI	Tai Yuan (Brun and Schmacher, 1994)
11) *Strobilanthes cusia* (Nees) Kuntze	Shrub	Leaves	Decoction	Oral ingestion	Recipes	3	3	0.0312	CMI	Karen (Winijchaiyanan, 1995)
		Non-aerial parts	Decoction	Herbal steam	Recipes				CMI	P. Sumridpiem 2022 4/Tai Yai (N=2)
12) *Thunbergia coccinea* Wall. ex D.Don	Climber	Stem	Decoction	Oral ingestion	Single used	1	1	0.0104	TAK	Karen (Kantasrila, 2016)
13) *Thunbergia laurifolia* L. [a]	Climber	Stem	Decoction	Oral ingestion	Single used	12	8	0.0833	CMI	Tai Yai (Archam, 2011)
		Stem	Decoction	Oral ingestion	Single used				NAN	Khamu (Srithi, 2012)
		Stem	Decoction	Oral ingestion	Single used				NAN	Hmong (Srithi, 2012)
		Non-aerial parts	Decoction	Oral ingestion	Single used				LPN	Tai Yuan (Inta et al., 2013B)
		Leaves, Stem	Decoction	Oral ingestion	Single used				TAK	Karen (Kantasrila, 2016)
		Leaves	Decoction, Soaking	Oral ingestion	Single used				LPN	Tai Yuan (Sumridpiem, 2017)
		Leaves	Decoction	Oral ingestion	Recipes				LPN	Tai Yuan (Inta et al., 2020)
		Leaves, Stem	Decoction	Herbal steam	Recipes				CMI	P. Sumridpiem 2022 84/Tai Yai (N=1)
14) *Sanchezia oblonga* Ruiz & Pav	Shrub*	Leaves	Cooking	Oral ingestion	Food	1	1	0.0104	CMI	P. Sumridpiem 2022 45/Hmong (N=1)
Acoraceae										
15) *Acorus calamus* L. [a]	Herb	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)

Scientific Name	Habit	Part	Preparation	Application	Type of medicine	Use reports	FC	RFC	Study area (Province)	Ethnic (References)/ Voulcher number
16) *Acorus gramineus* Aiton	Herb	Entire plant, Leaves	Decoction, Burning, Cooking	Oral ingestion, Compress, Oral ingestion	Single used, Food	8	5	0.052	CMI	P. Sumridpiem 2023 8/Hmong (N=5)
Amaranthaceae										
17) *Iresine diffusa* f. herbstii (Hook.) Pedersen	Herb*	Leaves	Cooking	Oral ingestion	Food	1	1	0.0104	CMI	P. Sumridpiem 2023 10/Hmong (N=1)
18) *Alternanthera bettzickiana* (Regel) G.Nicholson	Herb*	Leaves, Shoots	Cooking	Oral ingestion	Food	2	1	0.0104	CMI	P. Sumridpiem 2023 11/Hmong (N=1)
19) *Achyranthes bidentata* Blume	Herb	Unspecified aerial parts	Cooking	Oral ingestion	Food	1	1	0.0104	CMI	P. Sumridpiem 2022 16/Hmong (N=1)
Amaryllidaceae										
20) *Allium cepa* L. [a]	Herb*	Bulb	Powdering	Inhalation or spray	Recipes	2	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 1994)*
21) *Allium sativum* L. [a]	Herb*	Leaves, Bulb Bulb - Bulb	Fresh Fresh - Burning, Pound	Oral ingestion Oral ingestion - Oral ingestion, Poultices	Food Single used Recipes Food, Single used	8	5	0.052	CMI LPN LANNA CMI	Karen (Kaewsangsai, 2017) Tai Yuan (Inta et al., 2013B) Tai Yuan (Manosroi et al., 2013) P. Sumridpiem/Karen (N=2), Hmong (N=2)
22) *Allium tuberosum* Rottler ex Spreng.	Herb*	Leaves	Cooking	Oral ingestion	Food	1	1	0.0104	LPN	Tai Yong (Sumridpiem, 2017)
Anacardiaceae										
23) *Mangifera quadrifida* Jack	Tree	Bark	Decoction	Oral ingestion	Recipes	1	1	0.0104	CMI	Karen (Winijchaiyanan, 1995)
24) *Spondias mombin* L.	Tree*	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
Annonaceae										
25) *Annona muricata* L. [a]	Tree*	Leaves	-	-	-	2	2	0.0208	MSN	Tai Yuan (Inta et al., 2020) Karen (Inta et al., 2020)
Apiaceae										
26) *Anethum graveolens* L.	Herb*	Infructescences	Powdering	Inhalation or spray	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 1994)*
27) *Angelica dahurica* (Hoffm.) Benth. & Hook.f. ex Franch. & Sav. var. dahurica	Herb*	Roots	Decoction	Oral ingestion	Single used	2	2	0.0208	CMI	P. Sumridpiem 2022 34 /Hmong (N=2)
28) *Centella asiatica* (L.) Urb. [a]	Herb	Non-aerial parts, Entire plant Leaves Entire plant Leaves Leaves Non-aerial parts Entire plant	Pounding Decoction Fresh Pounding (mixed with sugar and water) Fresh Decoction, Pounding, Soaking Fresh Infusion (honey), Fresh	Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion, Oral ingestion	Single used Recipes Single used Single used Food Single used Food Recipes, Food	11	9	0.0937	CMI CMI CMI TAK TAK LPN CMI CMI	Hmong (Siewphukhieo, 1987) Karen (Winijchaiyanan, 1995) Lisu (Panta, 2015) Karen (Kantasrila, 2016) Karen (Kantasrila, 2016) Tai Yuan (Sumridpiem, 2017) Karen (Panyadee et al., 2019) P. Sumridpiem 2022 14/Karen (N=1),Tai Yai (N=1)
29) *Conioselinum anthriscoides* (H.Boissieu) Pimenov & Kljuykov [a]	Herb*	Roots	Powdering	Oral ingestion	Recipes	2	2	0.0208	LANNA CMI	Tai Yuan (Manosroi et al., 2013) P. Sumridpiem 2022 92/ TY(N=1)
30) *Coriandrum sativum* L. [a]	Herb*	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)

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31) *Cuminum cyminum* L.	Herb*	Infructescences	Powdering	Inhalation or spray	Recipes	2	1	0.0104	LANNA	Tai Yuan (M anosroi et al., 1994)*
32) *Foeniculum vulgare* Mill. subsp. *vulgare* var. *dulce* (Mill.) Thell.	Herb*	Infructescences	Powdering	Inhalation or spray	Recipes	2	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 1994)*
33) Ligusticum sinense Oliv. cv. Chuanxiong*	Herb*	Roots	Decoction	Oral ingestion	Single used	2	2	0.0208	CMI	P. Sumridpiem 2022 12 /Hmong (N=2)
34) *Oenanthe javanica* (Blume) DC.	Herb	Leaves	Decoction	Oral ingestion	Single used	1	1	0.0104	NAN	Tai Yuan (Songsangchun, 2015)
35) *Seseli mairei* H.Wolff**	Herb	Underground	-	-	-	1	1	0.0104	CRI	Akha (Srisanga et al., 2011)
Apocynaceae										
36) *Asclepias curassavica* L.	Herb*	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
37) *Amphineurion marginatum* (Roxb.) D.J.Middleton	Climber	Non-aerial parts	Decoction	Oral ingestion, Herbal steam, Bath	Recipes	6	2	0.0208	CMI	P. Sumridpiem 2022 25/ Tai Yai (N=2)
38) *Tabernaemontana pandacaqui* Poir.	Tree	Stem	Decoction	Oral ingestion	Single used	1	1	0.0104	NAN	Hmong (Srithi, 2012)
39) *Gymnema inodorum* (Lour.) Decne.	Climber	Leaves Leaves	Decoction Cooking, Pill, Pounding	Oral ingestion Oral ingestion	Recipes Food, Single used	4	2	0.0208	LPN LPN	Tai Yuan (Inta et al., 2020) Tai Yuan (Sumridpiem, 2017)
40) *Rauvolfia verticillata* (Lour.) Baill.	Shrub	Roots	-	-	-	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2009)
Araceae										
41) *Pothos chinensis* (Raf.) Merr.	Climber	Entire plant	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	P. Sumridpiem 2022 70 / Karen (N=1)
Araliaceae										
42) *Hydrocotyle javanica* Thunb.	Herb	Arial stem Entire plant	Fresh Fresh	Oral ingestion Oral ingestion	Single used Single used	2	2	0.0208	CMI TAK	Hmong (Nguanchoo, 2014) Karen (Kantasrila, 2016)
43) *Trevesia palmata* (Roxb. ex Lindl.) Vis.	Tree	Leaves	Burning	Poultices	Single used	1	1	0.0104	CMI	P. Sumridpiem /Hmong (N=1)
Arecaceae										
44) *Borassus flabellifer* L.	Tree	Leaves	Powdering	Inhalation or spray	Recipes	2	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 1994)*
Asparagaceae										
45) *Dracaena cochinchinensis* (Lour.) S.C.Chen	Shrub	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
Asteraceae										
46) *Ageratina adenophora* (Spreng.) R.M.King & H.Rob.	Herb*	Shoots	Pounding	Liniment	Recipes	1	1	0.0104	CMI	P. Sumridpiem /Hmong (N=1)
47) *Artemisia lactiflora* Wall. ex DC.	Herb*	Shoots, Leaves, Inflorescences	Cooking	Oral ingestion	Food	7	4	0.0416	CMI	P. Sumridpiem 2022 40/Hmong (N=4)
48) *Artemisia roxburghiana* Besser	Herb	Non-aerial parts	Soaking	Wiping the body	Single used	1	1	0.0104	CMI	P. Sumridpiem 2022 24 / Lisu (N=1)
49) *Artemisia vulgaris* L.	Herb*	Shoots, Leaves	Pounding	Poultices	Recipes	2	1	0.0104	CMI	P. Sumridpiem 2022 42 /Hmong (N=1)

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50) *Blumea balsamifera* (L.) DC. [a]	Shrub	Leaves Leaves, Shoots	- Burning, Decoction, Soaking, Pounding	- Oral ingestion, Herbal steam, Bath (body, head, and face), Wiping the body, Poultices, Liniment	Recipes Recipes, Single used	27	19	0.1979	LANNA CMI	Tai Yuan (Manosroi et al., 2013) P. Sumridpiem 2022 23 /Tai Yai (N=6),Karen (N=6), Lisu (N=1), Hmong(N=5)
51) *Chromolaena odorata* (L.) R.M.King & H.Rob. [a]	Herb*	Roots Leaves Leaves	Decoction Fresh Fresh	Oral ingestion Oral ingestion Oral ingestion	Single used	3	3	0.0312	CMI MSN MSN	Tai Yuan (Brun and Schmacher, 1994) Lua (Inta et al., 2020) Tai Yuan (Inta et al., 2020)
52) *Cyanthillium cinereum* (L.) H.Rob.	Herb	Entire plant Entire plant	Decoction Decoction	Oral ingestion Oral ingestion	Single used Single used	2	2	0.0208	LPN NAN	Tai Yuan (Sumridpiem, 2017) Tai Lue (Tovaranonte, 1998)
53) *Dichrocephala integrifolia* (L.f.) Kuntze	Herb	Entire plant	Decoction	Herbal steam	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 38 / Tai Yai (N=1)
54) *Dolomiaea costus* (Falc.) Kasana & A.K.Pandey [a]	Herb*	Roots	Powdering	Oral ingestion	Recipes	3	3	0.0312	CMI	P. Sumridpiem 2022 20 / Tai Yai (N=3)
55) *Eclipta prostrata* (L.) L.	Herb	Entire plant	Decoction	Herbal steam	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 102 / Tai Yai (N=1)
56) *Gymnanthemum extensum* (DC.) Steetz	Shrub	Entire plant Bark Leaves Entire plant, Stem, Leaves	Decoction Decoction Fresh Decoction	Oral ingestion Oral ingestion Oral ingestion Herbal steam, Oral ingestion, Bath	Single used Single used Single used Recipes	8	5	0.052	PYO CMI CRI CMI	Tai Yuan (Inta et al., 2019) Karen (Biodiversity-based economy development office, 2022) Lisu (Biodiversity-based economy development office, 2022) P. Sumridpiem 2022 19 / Tai Yai (N=2), Lisu (N=1)
57) *Gynura bicolor* (Roxb. ex Willd.) DC.	Herb	Leaves, Shoots	Cooking	Oral ingestion	Food	2	1	0.0104	CMI	P. Sumridpiem 2023 36 /Hmong (N=1)
58) *Gynura nepalensis* DC.	Herb	Leaves	Decoction	Oral ingestion	Food	1	1	0.0104	NAN	Hmong (Srithi, 2012)
59) *Gynura procumbens* Merr.	Climber	Leaves Leaves	Fresh Fresh	Oral ingestion Oral ingestion	Food Food	2	2	0.0208	NAN	Khamu (Srithi, 2012) Lua (Srithi, 2012)
60) *Helianthus annuus* L.	Herb*	Leaves, Inflorescences	Decoction	Bath (head and face)	Single used	2	1	0.0104	CMI	P. Sumridpiem /Hmong (N=1)
61) *Laggera crispata* (Vahl) Hepper & J.R.I.Wood	Herb	Leaves, Shoots	Burning	Compress, Poultices	Single used	5	3	0.0312	CMI	P. Sumridpiem 2022 54/Hmong (N=3)
62) *Sphagneticola trilobata* (L.) Pruski	Climber	Entire plant	Decoction	Herbal steam	Recipes	1	1	0.0104	CMI	P. Sumridpiem/ Tai Yai (N=1)
Basellaceae										
63) *Anredera cordifolia* (Ten.) Steenis	Herb	Leaves, Shoots Leaves, Shoots	Fresh Cooking	Oral ingestion Oral ingestion	Single used Food	4	2	0.0208	CMI CMI	Hmong (Nguanchoo, 2014) P. Sumridpiem 2023 /Hmong (N=1)
64) *Basella alba* L.	Climber	Inflorescences, Shoots Leaves, Shoots	Cooking Cooking	Oral ingestion Oral ingestion	Food Food	4	2	0.0208	LPN CMI	Tai Yong (Sumridpiem, 2017) P. Sumridpiem/Hmong (N=1)
Betulaceae										
65) *Betula alnoides* Buch.-Ham. ex D.Don	Tree	Leaves Leaves	Fresh Fresh	Oral ingestion Oral ingestion	Single used Single used	2	2	0.0208	LPN LPN	Tai Yuan (Inta et al., 2020) Karen (Inta et al., 2020)
Bignoniaceae										
66) *Mayodendron igneum* (Kirz) Kirz	Tree	Bark	Decoction	Oral ingestion	Single used	1	1	0.0104	MSN	Karen (Inta et al., 2018C)

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67) *Millingtonia hortensis* L.f.	Tree	Leaves	Decoction	Oral ingestion, Herbal steam, Bath	Recipes	6	2	0.0208	CMI	P. Sumridpiem/ Tai Yai (N=2)
68) *Oroxylum indicum* (L.) Kurz [a]	Tree	Bark	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	Karen (Tangjitman., 2014)
Boraginaceae										
69) *Heliotropium indicum* L.	Herb	Roots	Decoction	Oral ingestion	Single used	1	1	0.0104	MSN	Karen (Inta et al., 2018A)
Brassicaceae										
70) *Brassica juncea* (L.) Czern	Herb*	Leaves	Burning	Poultices	Single used	1	1	0.0104	CMI	P. Sumridpiem/ Hmong (N=1)
71) *Lepidium sativum* L.	Herb*	Infructescences	Powdering	Inhalation or spray	Recipes	2	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 1994)*
Bromeliaceae										
72) *Ananas comosus* (L.) Merr.	Herb*	Infructescences	Fresh	Oral ingestion	Single used	1	1	0.0104	LPN	Tai Yuan (Sumridpiem, 2017)
Calophyllaceae										
73) *Mesua ferrea* L. [a]	Tree	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
Campanulaceae										
74) *Lobelia angulata* G. Forst.	Herb*	Entire plant	Fresh, Decoction	Oral ingestion	Single used	2	1	0.0104	CMI	Hmong (Nguanchoo, 2014)
Capparaceae										
75) *Capparis micracantha* DC. [a]	Shrub	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
76) *Crateva magna* (Lour.) DC.	Tree	Leaves	Mix with cow dung	Poultice	Recipes	1	1	0.0104	AKHA	Akha (Biodiversity-based economy development office, 2022)
77) *Crateva adansonii* DC. subsp. *trifoliata* (Roxb.) Jacobs/	Tree	Bark	Decoction	Herbal steam	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 32 / Tai Yai (N=1)
Cardiopteridaceae										
78) *Gonocaryum lobbianum* (Miers) Kurz	Shrub	Infructescences	Burned	Oral ingestion	Food	1	1	0.0104	NAN	Mien (Srithi, 2012)
Caricaceae										
79) *Carica papaya* L.	Tree*	Infructescences (green fruit without peel) Roots	Decoction Powdering	Oral ingestion Oral ingestion	Single used Recipes	2	2	0.0208	LPN CMI	Tai Yuan (Sumridpiem, 2017) P. Sumridpiem/ Tai Yai (N=1)
Combretaceae										
80) *Combretum latifolium* Blume	Climber	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
81) *Terminalia chebula* Retz. [a]	Tree	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
Commelinaceae										
82) *Murdannia edulis* (Stokes) Faden	Herb	Entire plant	Decoction	Oral ingestion	Single used	1	1	0.0104	MSN	Tai Yai (Phongloy, 2015)
83) *Murdannia loriformis* (Hassk.) R.S.Rao & Kammathy	Herb	Leaves (fresh)	Crushed	Oral ingestion	Recipes	1	1	0.0104	LPN	Tai Yuan (Sumridpiem, 2017)
84) *Rourea minor* (Gaertn.) Merr.	Climber	Stem, Leaves, Roots	Decoction, Infusion	Oral ingestion Herbal steam, Bath	Recipes	8	2	0.0208	CMI	P. Sumridpiem 2022 7/ Lisu (N=2)
85) *Tradescantia spathaceae* Sw.	Herb*	Leaves (fresh)	Crushed	Oral ingestion	Recipes	1	1	0.0104	LPN	Tai Yuan (Sumridpiem, 2017)
86) *Tradescantia zebrina* Bosse	Herb*	Leaves, Shoots	Cooking	Oral ingestion	Food	2	1	0.0104	CMI	P. Sumridpiem 2022 17/Hmong (N=1)
87) *Kalanchoe blossfeldiana* Poelln.	Herb*	Leaves	Cooking	Oral ingestion	Food	1	1	0.0104	CMI	P. Sumridpiem/Hmong (N=1)

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Cucurbitaceae										
88) *Gynostemma pentaphyllum* (Thunb.) Makino	Climber	Leaves, Non-aerial parts Entire plant Leaves Entire plant	Decoction Decoction Soaking Decoction	Oral ingestion Oral ingestion Oral ingestion Oral ingestion	Single used Single used Single used Single used	5	4	0.0416	NAN LPN PYO MSN	Hmong (Srithi, 2012) Yuan (Inta et al., 2019) Yuan (Inta et al., 2020) Karen (Inta et al., 2018B)
89) *Momordica charantia* L. [a]	Climber	Infructescences Leaves	Fresh Fresh	Oral ingestion Oral ingestion	Single used Single used	2	2	0.0208	LPN MSN	Tai Yuan (Inta et al., 2020) Tai Yuan (Inta et al., 2020)
90) *Momordica cochinchinensis* (Lour.) Spreng.[a]	Climber	Infructescences	Decoction	Oral ingestion	Single used	1	1	0.0104	LPN	Tai Yuan (Sumridpiem, 2017)
Cyperaceae										
91) *Cyperus rotundus* L. [a]	Herb	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
Dioscoreaceae										
92) *Tacca chantrieri* André [a]	Herb	Underground parts, Leaves	Infusion	Oral ingestion	Single used	2	1	0.0104	PYO	Tai Yuan (Inta et al., 2019)
Ebenaceae										
93) *Diospyros decandra* Lour. [a]	Tree	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
Euphorbiaceae										
94) *Codiaeum variegatum* (L.) Rumph. ex A.Juss.	Shrub*	Leaves	Decoction	Oral ingestion	Single used	1	1	0.0104	MSN	Tai Yuan (Inta et al., 2020)
95) *Croton crassifolius* Geiseler	Shrub	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
96) *Plukenetia volubilis* L.	Climber	Infructescences	Decoction	Oral ingestion	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 74/ Lisu (N=1)
97) *Ricinus communis* L.	Shrub*	Leaves, Shoots, Stem	Burning, Decoction	Blow smoke into ears, Oral ingestion, Poultices	Single used	7	3	0.0312	CMI	P. Sumridpiem 2022 8 /Karen (N=1), Hmong (N=2)
Fabaceae										
98) *Adenanthera pavonina* L.	Tree	Leaves	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	Karen (Sutjaritjai, 2019)
99) *Albizia myriophylla* Benth	Tree	Stems	Decoction Powdered	Oral ingestion	Recipes	2	2	0.0208	CMI	P. Sumridpiem 2022 17 / Tai Yai (N=2)
100) *Biancaea sappan* (L.) Tod. [a]	Tree	Stems Infructescence, Peduncle, Seeds, Stems	Decoction Decoction	Oral ingestion Oral ingestion, Powdered	Single used Single used	9	6	0.0625	NAN CMI	Mien (Srithi, 2012) P. Sumridpiem 2022 16 /Karen (N=2), Hmong(N=3)
101) *Butea superba* Roxb. ex Willd.	Climber	Stems	Decoction	Herbal steam, Bath	Recipes	2	1	0.0104	CMI	P. Sumridpiem 2022 27 / Tai Yai (N=1)
102) *Caesalpinia pulcherrima* (L.) Sw.	Shrub*	Seed	Fresh	Oral ingestion	Single used	1	1	0.0104	LPN	Tai Yuan (Sumridpiem, 2017)
103) *Campylotropis parviflora* (Kurz) Schindl.	Shrub	Roots	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	Hmong (Highland Research, 2018)
104) *Canavalia gladiata* (Jacq.) DC.	Climber	Infructescences	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	Hmong (Nguanchoo, 2014)
105) *Cassia fistula* L. [a]	Tree	Leaves - Roots	Decoction - Powdering	Oral ingestion - Oral ingestion	Single used Recipes Recipes	3	3	0.0312	CMI LANNA CMI	Karen (Sutjaritjai, 2019) Tai Yuan (Manosroi et al., 2013) P. Sumridpiem 2023 14 / Tai Yai (N=1)
106) *Clitoria ternatea* L.	Climber*	Inflorescences	Decoction	Oral ingestion	Single used	2	2	0.0208	LPN	Tai Yong (Sumridpiem, 2017) Tai Yuan (Sumridpiem, 2017)

Scientific Name	Habit	Part	Preparation	Application	Type of medicine	Use reports	FC	RFC	Study area (Province)	Ethnic (References)/Voucher number
107) *Glycyrrhiza glabra* L.	Shrub*	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
108) *Lablab purpureus* (L.) Sweet	Climber	Entire plant	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	Karen (Sutjaritjai, 2019)
109) *Lysiphyllum strychnifolium* (Craib) A.Schmitz	Climber	Leaves	Decoction	Oral ingestion	Recipes	1	1	0.0104	LPN	Tai Yuan (Inta et al., 2020)
110) *Mimosa diplotricha* var. diplotricha	Herb*	Entire plant Leaves, Stem	Decoction Decoction	Oral ingestion Oral ingestion	Single used Single used	3	2	0.0208	NAN NAN	Mien (Tovaranonte., 1998) Mien (Panyaphu., 2012)
111) *Mimosa pudica* L.	Shrub*	Entire plant Entire plant Entire plant Entire plant Entire plant Entire plant Entire plant Entire plant	Decoction Decoction Decoction Decoction Decoction Decoction Decoction Decoction	Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion, Herbal steam, Bath	Single used Single used Single used Single used Single used Single used Single used Recipes	12	12	0.125	NAN NAN LPN PRE CMI MSN LPN CMI	Mien (Srithi, 2012) Khamu (Srithi, 2012) Tai Yuan (Sumridpiem, 2017) Tai Yuan (Inta et al., 2019) Karen (Sutjaritjai, 2019) Tai Yuan (Inta et al., 2020) Tai Yuan (Inta et al., 2020) P. Sumridpiem 2023 18 / Tai Yai (N=3), Karen (N=2)
112) *Neustanthus phaseoloides* (Roxb.)	Climber	Roots	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	Karen (Sutjaritjai, 2019)
113) *Ototropis multiflora* (DC.) H. Ohashi & K.Ohashi/	Shrub	Roots	Decoction	Oral ingestion	Oral ingestion	1	1	0.0104	CMI	P. Sumridpiem 2022 65 /Lisu (N=1)
114) *Phanera ornata* (Kurz) Thoth. var. *kerrii* (Gagnep.) Bandyop., P.P. Ghoshal & M.K. Pathak	Climber	Roots	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	Karen (Sutjaritjai, 2019)
115) *Pithecellobium dulce* (Roxb.) Benth.	Tree*	Roots (fresh) Roots (fresh)	Crushing Crushing	Oral ingestion Oral ingestion	Single used Single used	2	2	0.0208	CMI LPN	Tai Yuan (Brun and Schmacher, 1994) Tai Yuan (Brun and Schmacher, 1994)
116) *Polhillides velutina* (Willd.) H. Ohashi & K. Ohashi	Shrub	Stem Leaves	Decoction Decoction	Oral ingestion Oral ingestion	Single used Single used	2	2	0.0208	CMI MSN	Tai Yai (Phongloy, 2015) Tai Yai (Phongloy, 2015)
117) *Pterocarpus santalinus* L.f.	Tree*	Stem	Powdering	Oral ingestion	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 82 / Tai Yai (N=1)
118) *Senegalia pennata* (L.) Maslin	Climber	Bark	Decoction	Herbal steam	Recipes	1	1	0.0104	CMI	P. Sumridpiem/ Tai Yai (N=1)
119) *Senna siamea* (Lam.) H.S. Irwin & Barneby [a]	Tree	Leaves, Inflorescences Leaves, Inflorescences -	Decoction Cooking -	Oral ingestion Oral ingestion -	Single used Single used Recipes	5	4	0.0416	CMI, LPN CMI LANNA	Tai Yuan (Inta et al., 2013B) Karen (Sutjaritjai, 2019) Tai Yuan (Manosroi et al., 2013)
120) *Uraria oblonga* (Wall. ex Benth.) H. Ohashi & K. Ohashi	Shrub	Entire plant Roots	Decoction Decoction	Oral ingestion Bath	Recipes Recipes	2	2	0.0208	CMI CMI	Tai Lue (Muangyen, 2013) P.Sumridpiem 2022 73 / Tai Yai (N=1)
Hypoxidaceae										
121) *Curculigo gracilis* (Kurz) Wall. ex Hook.f.	Herb	Entire plant	-	-	-	1	1	0.0104	MSN	Tai Yai (Inta et al., 2018D)
122) *Curculigo latifolia* Dryand. ex W.T. Aiton	Herb	Entire plant Entire plant	Decoction Decoction	Bath Bath	Single used Single used	2	2	0.0208	CMI MSN	Tai Yai (Phongloy, 2015) Tai Yai (Phongloy, 2015)
Lamiaceae										
123) *Agastache rugosa* (Fisch. & C.A. Mey.) Kuntze	Herb*	Leaves, Shoots	Decoction, Pounding	Liniment (temporal area)	Recipes, Single used	3	2	0.0208	CMI	P. Sumridpiem 2022/Hmong (N=2)
124) *Clerodendrum chinense* (Osbeck) Mabb.	Shrub	Roots	Decoction	Oral ingestion	Recipes	7	5	0.052	CMI	P. Sumridpiem 2022 5 /Lisu (N=5)
125) *Clerodendrum glandulosum* Lindl.	Shrub	Leaves, Shoots	Burning, Decoction	Poultices, Herbal steam	Recipes, Single used	5	3	0.0312	CMI	P. Sumridpiem 2022 29 /Lisu (N=1), ,Hmong (N=2)

Scientific Name	Habit	Part	Preparation	Application	Type of medicine	Use reports	FC	RFC	Study area (Province)	Ethnic (References)/Voucher number
126) *Clerodendrum indicum* (L.) Kuntze. [a]	Shrub	Roots	Decoction, Powdering	Oral ingestion	Single used	2	1	0.0104	LPN	Tai Yai (Inta et al., 2020)
127) *Clerodendrum paniculatum* L.	Shrub	Roots	Powdering	Oral ingestion	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 91 / Tai Yai (N=1)
128) *Coleus scutellarioides* (L.) Benth.	Herb*	Leaves	Dry and Decoction	Oral ingestion	Single used	1	1	0.0104	CRI	Tai Yuan (Tovaranonte, 2002)
129) *Elsholtzia penduliflora* W.W.Sm.	Herb	Leaves	Cooking	Oral ingestion	Food	3	3	0.0312	CMI	P. Sumridpiem 2023 /Hmong (N=3)
130) *Mentha* × *piperita* L.	Herb*	Leaves	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	Hmong (Biodiversity-based economy development office, 2022)
131) *Mentha* × *villosa* Huds.	Herb*	Entire plant	Fresh	Oral ingestion	Single used	1	1	0.0104	CMI	Karen (Winijchaiyanan., 1995)
132) *Orthosiphon aristatus* (Blume) Miq.[a]	Herb	Entire plant Leaves, Shoots	Decoction Decoction	Oral ingestion Oral ingestion	Recipes Recipes	3	2	0.0208	CMI LPN	Tai Lue (Muangyen, 2013) Tai Yuan (Sumridpiem, 2017)
133) *Rotheca serrata* (L.) Steane & Mabb.	Shrub	Leaves, Roots	Honey infusion	Oral ingestion, Herbal steam, Bath	Recipes	11	5	0.052	CMI	P. Sumridpiem 2022 30 / Tai Yai (N=3), LS (N=1), Karen (N=1)
134) *Vitex trifolia* L. [a]	Shrub	- Leaves	- Decoction	- Herbal steam	Recipes Recipes	2	2	0.0208	LANNA CMI	Tai Yuan (Manosroi et al., 2013) P. Sumridpiem 2022 90 /Karen (N=1)
Lauraceae										
135) *Actinodaphne henryi* Gamble	Tree	Leaves	Decoction	Herbal steam	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 54 /Karen (N=1)
136) *Litsea cubeba* (Lour.) Pers	Tree	Stem	Decoction	Oral ingestion	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 44 /Karen (N=1)
Lecythidaceae										
137) *Careya arborea* Roxb.	Tree	Leaves	Decoction	Bath	Single used	1	1	0.0104	MSN	Tai Yai (Phongloy, 2015)
Loranthaceae										
138) *Dendrophthoe pentandra* (L.) Miq. [a]	Shrub	Entire plant Stem	Decoction -	Oral ingestion -	Recipes Recipes	2	2	0.0208	CMI NAN	Tai Lue (Muangyen, 2013) Tai Yuan (Inta et al., 2014)
Lythraceae										
139) *Lawsonia inermis* L.	Shrub*	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
Malvaceae										
140) *Abutilon indicum* (L.) Sweet	Shrub	Leaves Infructescences	Decoction Decoction	Oral ingestion Oral ingestion	Single used Single used	2	2	0.0208	CMI LPN	Tai Yuan (Pomnat, 2013) Tai Yuan (Inta et al.,2013B)
141) *Helicteres isora* L.	Shrub	Infructescences	Decoction	Oral ingestion	Single used	2	1	0.0104	PYO, PRE	Tai Yuan (Inta et al., 2019)
Marantaceae										
142) *Maranta arundinacea* L.	Herb*	Rhizomes	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	Karen (Sukkho, 2008)
Marsileaceae										
143) *Marsilea minuta* var. *minuta*	Aquatic fern	Entire plant	Fresh	Oral ingestion	Single used	1	1	0.0104	CMI	P. Sumridpiem 2022 45 /Karen (N=1)
Melastomataceae										
144) *Melastoma malabathricum* subsp. *normale* (D.Don) Karst.Mey.	Shrub	Roots	Decoction	Oral ingestion	Single used	1	1	0.0104	CRI	Akha (Srisanga et al., 2011)
145) *Osbeckia stellata* Buch.-Ham. ex D.Don	Shrub	Roots	-	-	Single used	1	1	0.0104	CRI	Akha (Srisanga et al., 2011)
Meliaceae										
146) *Azadirachta indica* A. Juss. [a]	Tree	Young leaves, Inflorescences	Fresh	Oral ingestion	Single used	2	1	0.0104	PYO	Tai Yuan (Inta et al., 2019)
Menispermaceae										
147) *Stephania venosa* (Blume) Spreng.	Climber	Roots	Decoction	Oral ingestion	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 97/ Tai Yai (N=1)

Scientific Name	Habit	Part	Preparation	Application	Type of medicine	Use reports	FC	RFC	Study area (Province)	Ethnic (References)/Voucher number
148) *Tiliacora triandra* (Colebr.) Diels [a]	Climber	Leaves (fresh) Leaves (fresh) Leaves Leaves (fresh) Leaves (fresh) -	Crushed Crushed Decoction Crushed Crushed with other plants -	Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion -	Single used Single used Single used Single used Recipes Recipes	6	5	0.052	LPN NAN LPN LPN LPN LANNA	Tai Yuan (Ethnobotany, 2015) Tai Yuan (Inta et al., 2014) Tai Yong (Sumridpiem, 2017) Tai Yuan (Sumridpiem, 2017) Tai Yuan (Sumridpiem, 2017) Tai Yuan (Manosroi et al., 2013)
149) *Tinospora crispa* (L.) Hook.f. & Thomson [a]	Climber	Stems - Stems	Honey infusion - Decoction, Honey infusion	Oral ingestion - Oral ingestion	Single used Recipes Single used, Recipes	4	4	0.0417	LPN LANNA CMI	Tai Yuan (Sumridpiem, 2017) Tai Yuan (Manosroi et al., 2013) P. Sumridpiem 2022 3/ Karen(N=1), Tai Yai (N=1)
Moraceae										
150) *Artocarpus heterophyllus* Lam.	Tree*	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
151) *Ficus racemosa* L. [a]	Tree	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
152) *Ficus simplicissima* Lour.	Shrub*	Roots	Decoction	Oral ingestion	Single used	1	1	0.0104	NAN	Hmong (Srithi, 2012)
153) *Morus alba* L. [a]	Shrub*	Leaves Non-aerial parts, Leaves	Decoction Decoction, Burning	Oral ingestion Bath, Oral ingestion, Poultices	Single used Recipes, Single used	6	6	0.0625	LPN CMI	Tai Yuan (Sumridpiem, 2017) P. Sumridpiem 2023 5/ Tai Yai (N=2), Lisu (N=1), Hmong (N=2)
Moringaceae										
154) *Moringa oleifera* Lam. [a]	Tree	Leaves - Leaves, Seeds Infructescences, Leaves Leaves Infructescences Seed	Powdered - Fresh Pill Cooking Cooking Drying	Oral ingestion - Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion	Single used Recipes Single used Single used Food Food Single used	9	4	0.0416	NAN LANNA MSN LPN LPN LPN LPN	Hmong (Srithi, 2012) Tai Yuan (Manosroi et al., 2013) Tai Yuan (Inta et al., 2020) Tai Yuan (Sumridpiem, 2017) Tai Yuan (Sumridpiem, 2017) Tai Yuan (Sumridpiem, 2017) Tai Yuan (Sumridpiem, 2017)
Musaceae										
155) *Musa balbisiana* Colla	Herb*	Leaves	Decoction	Herbal steam	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 50 /Karen (N=1)
156) *Musa* × *paradisiaca* L.	Herb	Infructescences	Honey infusion	Oral ingestion	Recipes	1	1	0.0104	CMI	P. Sumridpiem/ Tai Yai (N=1)
Myrtaceae										
157) *Syzygium aromaticum* (L.) Merr. & L.M.Perry [a]	Shrub*	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
Nelumbonaceae										
158) *Nelumbo nucifera* Gaertn. [a]	Herb	Seed (embryo) -	Decoction -	Oral ingestion -	Single used Recipes	2	2	0.0208	LPN LANNA	Tai Yuan (Sumridpiem, 2017) Tai Yuan (Manosroi et al., 2013)
Oleaceae										
159) *Jasminum grandiflorum* L.	Climber*	Non-aerial parts	Decoction	Oral ingestion, Herbal steam, Bath	Recipes	6	2	0.0208	CMI	P. Sumridpiem 2022 10 / Tai Yai (N=2)
Ophioglossaceae										
160) *Helminthostachys zeylanica* (L.) Hook.	Terrestrial Fern	Young leaves, Roots	Decoction	Oral ingestion	Single used	2	1	0.0104	CMI	Tai Yuan (Inta et al., 2013A)
Oxalidaceae										
161) *Averrhoa carambola* L.	Tree*	Infructescences	Fresh	Oral ingestion	Single used	1	1	0.0104	LPN	Tai Yuan (Sumridpiem, 2017)

Scientific Name	Habit	Part	Preparation	Application	Type of medicine	Use reports	FC	RFC	Study area (Province)	Ethnic (References)/Voucher number
Pandanaceae										
162) *Pandanus amaryllifolius* Roxb. ex Lindl.[a]	Shrub*	Roots Leaves (fresh)	Decoction Crushed	Oral ingestion Oral ingestion	Single used Recipes	2	2	0.0208	CMI LPN	Tai Yuan (Pomnat, 2013) Tai Yuan (Sumridpiem, 2017)
Passifloraceae										
163) *Passiflora foetida* L.	Climber*	Leaves, Inflorescences, Infructescences	Decoction	Oral ingestion	Single used	3	1	0.0104	MSN	Tai Yai (Udompanid, 2012)
Phyllanthaceae										
164) *Antidesma acidum* Retz.	Shrub	Roots Roots Roots	Decoction Decoction Decoction	Oral ingestion Oral ingestion Oral ingestion	Recipes Recipes Recipes	3	3	0.0312	MSN MSN MSN	Tai Yuan (Inta et al., 2020) Karen (Inta et al., 2020) Lua (Inta et al., 2020)
165) *Bischofia javanica* Blume	Tree	Non-aerial parts	Decoction	Bath	Recipes	2	2	0.0208	CMI	P. Sumridpiem 2022 15/ Tai Yai (N=2)
166) *Phyllanthus acidus* (L.) Skeels	Tree*	Bark, Roots Stem Infructescences	Decoction Decoction Fresh	Oral ingestion Oral ingestion Oral ingestion	Recipes Single used Single used	4	3	0.0312	CMI CMI MSN	Karen (Winijchaiyanan, 1995) Tai Yuan (Panyadee et al., 2019) Tai Yuan (Inta et al., 2020)
167) *Phyllanthus amarus* Schumach. & Thonn.	Herb	Entire plant Entire plant Entire plant Entire plant Entire plant	Decoction Decoction Decoction Decoction Decoction	Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion	Single used Single used Single used Single used Single used	6	6	0.0625	LPN LPN PYO, PRE MSN LPN	Tai Yuan (Inta et al., 2013B) Tai Yuan (Sumridpiem, 2017) Tai Yuan (Inta et al., 2019) Karen (Inta et al., 2020) Tai Yuan (Inta et al., 2020)
168) *Phyllanthus emblica* L.[a]	Tree	Infructescences - Infructescences Galls	Fresh - Fresh Fresh	Oral ingestion - Oral ingestion Oral ingestion	Single used Recipes Single used Single used	4	4	0.0416	LPN LANNA CMI CMI	Tai Yuan (Inta et al., 2013B) Tai Yuan (Manosroi et al., 2013) Tai Yuan (Pomnat, 2013) Lisu (Panyadee et al., 2019)
169) *Phyllanthus urinaria* L.[a]	Herb	Entire plant	Decoction	Oral ingestion	Single used	1	1	0.0104	LPN	Tai Yuan (Sumridpiem., 2017)
Pinaceae										
170) *Pinus kesiya* Royle ex Gordon[a]	Tree	Stem (with o il)	Fresh, Decoction	Inhalation, Herbal steam	Single used, Recipes	6	6	0.0625	CMI	P. Sumridpiem 2023 15/TAI YAI (N=1), Karen (N=4), Lisu (N=1)
171) *Pinus latteri* Mason[a]	Tree	Stem (with oil), Resin	Fresh, Decoction	Inhalation, Herbal steam	Single used, Recipes	7	7	0.0729	CMI	Karen (Biodiversity-based economy development office, 2022) P. Sumridpiem 2023 16/ Tai Yai (N=1), Karen (N=4), Lisu (N=1)
Piperaceae										
172) *Peperomia pellucida* (L.) Kunth[a]	Herb	Entire plant, Non-aerial parts	Decoction	Oral ingestion	Single used, Food	2	1	0.0104	LPN	Tai Yuan (Sumridpiem, 2017)
173) *Piper interruptum* Opiz[a]	Climber*	Stem	Decoction (with sugar)	Oral ingestion	Single used	1	1	0.0104	TAK	Karen (Kantasrila, 2016)
174) *Piper longum* L.[a]	Herb	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
175) *Piper nigrum* L.[a]	Climber*	Infructescences - Infructescences	Fresh - Decoction, Herbal liquor	Oral ingestion - Oral ingestion, Herbal steam, Bath	Single used Recipes Recipes	10	4	0.0416	LPN LANNA CMI	Tai Yuan (Inta et al., 2013B) Tai Yuan (Manosroi et al., 1994)* P. Sumridpiem/ Lisu (N=2)
176) *Piper retrofractum* Vahl[a]	Climber*	Infructescences Infructescences	Decoction Decoction	Oral ingestion Oral ingestion	Single used Recipes	2	2	0.0208	LPN PYO	Tai Yuan (Inta et al., 2013B) Tai Yuan (Inta et al., 2019)
177) *Piper ribesioides* Wall.	Climber	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
178) *Piper sarmentosum* Roxb.[a]	Climber	Leaves	Fresh	Oral ingestion	Single used	1	1	0.0104	NAN	Tai Yuan (Songsangchu, 2015)
Plantaginaceae										
179) *Plantago major* L.	Herb	Leaves	Fresh	Oral ingestion	Single used	1	1	0.0104	CMI	Hmong (Nguanchoo, 2014)

Scientific Name	Habit	Part	Preparation	Application	Type of medicine	Use reports	FC	RFC	Study area (Province)	Ethnic (References)/Voucher number
180) *Scoparia dulcis* L.	Herb*	Leaves Entire plant	Grinding Dried and decoction	Oral ingestion Oral ingestion	Single used Single used	2	2	0.0208	NAN TAK	Karen (Kantasrila, 2016) Mien (Srithi, 2012)
Plumbaginaceae										
181) *Plumbago indica* L.[a]	Shrub	Roots	Decoction	Oral ingestion	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 78 / Tai Yai (N=1)
182) *Plumbago zeylanica* L.	Shrub	Shrub	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
Poaceae										
183) *Chrysopogon zizanioides* (L.) Roberty[a]	Grass	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
184) *Coix lacryma* – jobi L.	Grass*	Inflorescences Roots Roots Roots	Decoction Decoction Decoction Decoction	Oral ingestion Oral ingestion Oral ingestion Oral ingestion	Single used Recipes Recipes Recipes	4	4	0.0416	LPN MSN MSN MSN	Tai Yuan (Sumridpiem, 2017) Tai Yuan (Inta et al., 2020) Karen (Inta et al., 2020) Lawa (Inta et al., 2020)
185) *Coix lacryma*-jobi var. *puellarum* (Balansa) E.G. Camus & A.Camus	Grass*	Entire plant	Decoction	Oral ingestion	Single used	1	1	0.0104	LPN	Tai Yuan (Inta et al., 2013B)
186) *Cymbopogon citratus* (DC.) Stapf[a]	Grass*	Leaves Leaves Entire plant Entire plant Leaves, Entire plant	Decoction Decoction Decoction Decoction Burning, Cooking	Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion , Poultices	Single used Single used Single used Single used Food, Single used	6	6	0.0625	LPN LPN MSN MSN CMI	Tai Yuan (Inta et al., 2013B) Tai Yuan (Sumridpiem (2017) Tai Yuan (Inta et al., 2020) Karen (Inta et al., 2020) P. Sumridpiem/ Hmong (N=2)
187) *Oryza sativa* L.	Grass	Seed - Seed	- - Decoction	- - Herbal Steam	Recipes Recipes Recipes	3	3	0.0312	NAN LANNA CMI	H'Tin (Pantarod, 2002) Tai Yuan (Manosroi et al., 2013) P. Sumridpiem 2022 61/ Tai Yai (N=1)
188) *Saccharum officinarum* L.	Grass	Stem Stem Stem - Stem	Decoction - Decoction - Decoction, Infusion (honey)	Oral ingestion - Oral ingestion - Herbal Steam, Oral ingestion	Single used Recipes Recipes Recipes Recipes	6	6	0.0625	LPN PRE LPN LANNA CMI	Tai Yuan (Inta et al., 2013B) Tai Yuan (Inta et al., 2019) Tai Yuan (Sumridpiem, 2017) Tai Yuan (Manosroi et al., 2013) P. Sumridpiem/ Tai Yai (N=1), /Karen (N=1)
189) *Zea mays* Limm.[a]	Grass*	Inflorescences (Style)	Drying, Decoction, Burning	Oral ingestion, Inhalation, Fumigate	Single used	4	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2009)
Polygalaceae										
190) *Polygala chinensis* L.	Herb	Entire plant	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	P. Sumridpiem 2022 71/Karen (N=1)
Polypodiaceae										
191) *Platycerium wallichii* Hook.	Epiphytic Fern	Leaves Leaves	Decoction Burning, Decoction	Streaming Poultices, Herbal Steam	Single used Recipes, Single used	2	3	0.0312	TAK CMI	Karen (Kantasrila, 2016) P. Sumridpiem /Karen (N=1), Hmong (N=1)
Ranunculaceae										
192) *Nigella sativa* L.[a]	Herb*	Seed Seed	Powdering Decoction	Inhalation, Spray Herbal Steam	Recipes Recipes	3	2	0.0208	LANNA CMI	Tai Yuan (Manosroi et al., 1994)* P. Sumridpiem 2022 51/ Tai Yai(N=1)
Rhamnaceae										
193) *Colubrina asiatica* (L.) Brongn.	Climber	Leaves, shoots	Pounding	Oral ingestion	Recipes	2	1	0.0104	LPN	Tai Yuan (Sumridpiem, 2017)
194) *Ziziphus jujuba* Mill.	Shrub*	Bark	Grinding	Oral ingestion	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 62/ Tai Yai (N=1)

Scientific Name	Habit	Part	Preparation	Application	Type of medicine	Use reports	FC	RFC	Study area (Province)	Ethnic (References)/Voucher number
Rubiaceae										
195) *Ixora cibdela* Craib	Shrub	Roots, Leaves	Decoction, Infusion	Oral ingestion, Herbal steam, Bath	Single used, Recipes	9	3	0.0312	CMI	P. Sumridpiem 2022 18/Lisu (N=3)
196) *Morinda angustifolia* Roxb.	Shrub	Roots Roots Roots Leaves	Decoction Decoction Decoction Decoction	Oral ingestion Oral ingestion Oral ingestion Herbal steam	Recipes Single used Single used Recipes	4	4	0.0416	CMI NAN NAN CMI	Karen (Winijchaiyanan, 1995) Khamu (Srithi, 2012) Hmong (Srithi, 2012) P. Sumridpiem 2022 48 / Karen (N=1)
197) *Morinda citrifolia* L.[a]	Tree	Infructescences Infructescences Infructescences Infructescences Infructescences Infructescences	Fresh Cooking Infusion (honey) Infusion (salt) Fresh Decoction	Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion	Single used Food Single used Single used Single used Single used	6	3	0.0312	LPN LPN LPN LPN LPN PYO	Tai Yuan (Sumridpiem, 2017) Tai Yuan (Sumridpiem, 2017) Tai Yuan (Sumridpiem, 2017) Tai Yuan (Sumridpiem, 2017) Tai Yuan (Inta et al., 2013B) Tai Yuan (Inta et al., 2019)
Rutaceae										
198) *Aegle marmelos* (L.) Corrêa ex Roxb.[a]	Tree	Infructescences Infructescences Infructescences -	Decoction Decoction Decoction -	Oral ingestion Oral ingestion Oral ingestion -	Single used Single used Single used Recipes	4	4	0.0416	LPN MSN MSN LANNA	Tai Yuan (Inta et al., 2013B) Karen (Inta et al., 2020) Tai Yuan (Inta et al., 2020) Tai Yuan (Manosroi et al., 2013)
199) *Citrus aurantiifolia* (Christm.) Swingle[a]	Shrub*	Infructescences - Infructescences	Crushing (with honey) - 	Oral ingestion - Oral ingestion, Inhalation	Single used Recipes Single used	4	4	0.0416	CMI LANNA CMI	Tai Yuan (Inta et al., 2013A) Tai Yuan (Manosroi et al., 2013) P. Sumridpiem /Lisu (N=1), Karen (N=1)
200) *Clausena harmandiana* (Pierre) Guillaumin	Shrub	Leaves	Fresh	Oral ingestion	Single used	1	1	0.0104	MSN	Tai Yuan (Inta et al., 2020)
201) *Harrisonia perforata* (Blanco) Merr.	Shrub	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
202) *Melicope pteleifolia* (Champ. ex Benth.) T.G.Hartley	Shrub	Roots Roots Leaves	Decoction Decoction Decoction	Oral ingestion Oral ingestion Herbal steam	Single used Single used Recipes	3	3	0.0312	MSN MSN CMI	Tai Yuan (Inta et al., 2020) Lua (Inta et al., 2020) P. Sumridpiem 2022 47 /Lisu (N=1)
203) *Zanthoxylum asiaticum* (L.) Appelhans, Groppo & J. Wen	Climber	Stem	Infusion, Decoction	Oral ingestion, Herbal steam, Bath	Recipes	8	2	0.0208	CMI	P. Sumridpiem 2022 46 /Lisu (N=2)
204) *Zanthoxylum rhetsa* (Roxb.) DC.	Tree	Infructescences	-	Oral ingestion	Recipes	1	1	0.0104	MSN	Tai Yuan (Inta et al., 2020)
Salicaceae										
205) *Flacourtia indica* (Burm.f.) Merr.	Tree	Bark	Grinding	Oral ingestion	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 42 / Tai Yai (N=1)
Salvadoraceae										
206) *Azima sarmentosa* (Blume) Benth. & Hook.f.	Climber	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
Santalaceae										
207) *Santalum album* L.	Herb*	Stems	Grinding	Oral ingestion	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 83 / Tai Yai (N=1)
Sapindaceae										
208) *Cardiospermum halicacabum* L.	Climber	Entire plant	Decoction	Oral ingestion	Single used	2	1	0.0104	PYO, PRE	Tai Yuan (Inta et al., 2019)
Sapotaceae										
209) *Mimusops elengi* L.[a]	Tree	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)

Scientific Name	Habit	Part	Preparation	Application	Type of medicine	Use reports	FC	RFC	Study area (Province)	Ethnic (References)/Voucher number
Saururaceae										
210) *Houttuynia cordata* Thunb.	Herb	Leaves Leaves Leaves Leaves Roots, Entire plant	Fresh Fresh Fresh Fresh Infusion (honey), Fresh	Oral ingestion Oral ingestion Oral ingestion Oral ingestion Oral ingestion	Food Food Single used Single used Recipes, Food	6	6	0.0625	NAN LPN MSN MSN CMI	Mien (Srithi, 2012) Tai Yuan (Sumridpiem, 2017) Tai Yuan (Inta et al., 2020) Karen (Inta et al., 2020) P. Sumridpiem 2022 11/ Karen (N=1), Tai Yai (N=1)
Scrophulariaceae										
211) *Buddleja asiatica* Lour.	Shrub	Leaves	Decoction	Herbal steam	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 26/ Lisu (N=1)
Smilacaceae										
212) *Smilax ovalifolia* Roxb. ex D.Don	Climber	Stem	Decoction	Oral ingestion	Single used	1	1	0.0104	LPN	Tai Yuan (Inta et al., 2013B)
213) *Smilax verticalis Gagnep.*	Shrub	Stem	Decoction	Oral ingestion	Single used	1	1	0.0104	LPN	Tai Yuan (Inta et al., 2013B)
Solanaceae										
214) *Capsicum frutescens* L.	Shrub*	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
215) *Solanum americanum* Mill.	Herb*	Infructescences	Fresh Fresh	Oral ingestion Oral ingestion	Single used Single used	2	2	0.0208	MSN MSN	Lawa (Inta et al., 2020) Karen (Inta et al., 2020)
216) *Solanum spirale* Roxb.	Shrub	Infructescences	Fresh	Oral ingestion	Food	1	1	0.0104	NAN	Mien (Srithi, 2012)
217) *Solanum trilobatum* L.	Climber	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
218) *Solanum torvum* Sw.	Shrub*	Infructescences Infructescences Infructescences Infructescences	Cooking, Fresh Fresh Fresh Fresh	Oral ingestion Oral ingestion Oral ingestion Oral ingestion	Single used, Food Single used Single used Single used	5	4	0.0416	LPN MSN MSN MSN	Tai Yuan (Inta et al., 2013B) Tai Yuan (Inta et al., 2020) Lawa (Inta et al., 2020) Karen (Inta et al., 2020)
219) *Solanum violaceum* Ortega	Shrub	Infructescences Infructescences	Fresh Fresh	Oral ingestion Oral ingestion	Food Food	2	2	0.0208	MSN MSN	Tai Yuan (Inta et al., 2020) Karen (Inta et al., 2020)
Urticaceae										
220) *Elatostema longipes* W.T.Wang	Herb	Leaves	Cooking	Oral ingestion	Food	1	1	0.0104	NAN	Hmong (Srithi, 2012)
221) *Debregeasia longifolia* (Burm.f.) Wedd.	Shrub	Leaves, Shoots, Roots	Burning, Decoction	Compress, Oral ingestion	Single used	6	2	0.0208	CMI	P. Sumridpiem 2022 16 /Hmong (N=2)
Usneaceae										
222) *Usnea siamensis* Vain.	Lichen	Entire plant	Decoction	Oral ingestion	Single used	1	1	0.0104	CMI	Tai Yuan (Sookchot, 2003)
Verbenaceae										
223) *Tectona grandis* L.f.	Tree	Stem	Decoction	Oral ingestion	Single used	1	1	0.0104	LPN	Tai Yuan (Inta et al., 2013B)
224) *Verbena officinalis* L.	Herb*	Entire plant	Decoction	Herbal steam	Recipes	1	1	0.0104	CMI	P. Sumridpiem 2022 81/ Tai Yai (N=1)
Viburnaceae										
225) *Sambucus javanica* Reinw. ex Blume	Shrub	Leaves	Burning	Poultices	Recipes	2	2	0.0208	CMI	P. Sumridpiem 2022 5/ Lisu (N=2)
Vitaceae										
226) *Leea indica* (Burm. f.) Merr.	Shrub	Roots	Decoction	Oral ingestion	Single used	1	1	0.0104	NAN	Hmong (Srithi, 2012)
Zingiberaceae										
227) *Alpinia galanga* (L.) Willd.[a]	Herb*	Rhizome	- Decoction, Pounding	- Liniment, Oral ingestion	Recipes Recipes	3	3	0.0312	LANNA CMI	Tai Yuan (Manosroi et al., 2013) P. Sumridpiem/ Tai Yai (N=1), Hmong (N=1)
228) *Alpinia officinarum* Hance	Herb*	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
229) *Boesenbergia rotunda* (L.) Mansf.	Herb	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
230) *Curcuma longa* L.[a]	Herb	Rhizome	Decoction, Pounding	Liniment (temporal area), Oral ingestion	Recipes, Single used	3	3	0.0312	CMI	P. Sumridpiem 2022 35 / Tai Yai (N=1), Hmong (N=2)
231) *Kaempferia galanga* L.	Herb	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
232) *Kaempferia parviflora* Wall. Ex *Baker*	Herb	Rhizome	-	-	-	1	1	0.0104	MSN	Lisu (Inta et al., 2023)

Scientific Name	Habit	Part	Preparation	Application	Type of medicine	Use reports	FC	RFC	Study area (Province)	Ethnic (References)/Voucher number
233) *Kaempferia roscoeana* Wall.	Herb	-	-	-	Recipes	1	1	0.0104	LANNA	Tai Yuan (Manosroi et al., 2013)
234) *Rhynchanthus longiflorus* Hook.f.	Herb	Rhizome	Decoction	Oral ingestion	Single used	1	1	0.0104	CRI	Akha (Srisanga et al., 2011)
235) *Zingiber officinale* Roscoe.[a,b]	Herb	Rhizome	Powdering Decoction, Pounding Burning	Inhalation, Spray Liniment (temporal area), Poultices	Recipes Recipes, Single used	5	4	0.0416	LANNA CMI	Tai Yuan (Manosroi et al., 1994*) P. Sumridpiem /Hmong (N=3)
236) *Zingiber ottensii* Valeton	Herb	Rhizome	Pounding (with water), Burning	Oral ingestion, Poultices, Compress	Recipes	3	3	0.0312	CMI	P. Sumridpiem 2023 8 / Karen (N=3)
237) *Zingiber purpureum* Roscoe.[a]	Herb	Rhizome	- Burning, Decoction, Soaking, Pounding	- Bath, Compress, Oral ingestion, Poultices, Herbal steam	Recipes Recipes, Single used	21	13	0.1354	LANNA CMI	Tai Yuan (Manosroi et al., 2013) P. Sumridpiem 2023 22/ Karen (N=3), / Tai Yai (N=8), Hmong (N=1)

Scientific Name = ([a]) Listing of a plant that has been previously reported to treat hypertension in any traditional medicine, ([b]) Listing of a plant that has been previously reported for anti-hypertensive properties in any studies, and (**) Listing of references with scientific names from original data sources, such as *Seseli* cf. *mairei* H.Wolff.

Habit = (*) Listing of exotic plant.

Study area = "LANNA" refers to study area from literature review covering Chiang Mai, Chiang Rai, Lampang, Lamphun Phrae Nan, Phayao, or Mae Hong Son.

References = (*) Listing of references with scientific names from tentative identification of the transliterations of herbal medicine recipes that appeared in palm leaf scripture by Lanna folk healers.

Ui = Use reports.

Ethnic (References)/ Voucher number = "N" refers to number of healers from field survey.

Table S2. Details of the 41 references used to analyze northern Thai hypertension plant data.

No.	References	Document Type	Province	District	Ethnicity	Plant Category	Number of species
1	Archam (2011)	Bachelor research	Chiang Mai	Wianghaeng	Shan	Medicine	1
2	Biodiversity-based economy development office (2023)	Book	Chiang Mai, Chiang Rai	Mae Chaem, Mae Fah Luang	Hmong, Karen, Lua (Lawa), Lisu, Lahu, Akha, Mien	Medicine	4
3	Brun and Schmacher (1994)	Book	Chiang Mai, Lamphun	Chiang Dao, Mueang Chiang Mai, Mueang Lamphun, Mae Chaem, Mae Fah Luang	Tai Yuan	Medicine	4
4	Ethnobotany and Northern Thai Flora Laboratory Unit (2015)	Book	Chiang Mai	Mae On	Tai Yuan	All	1
5	Highland Research and Development Institute (2018)	Book	Chiang Mai	Chom Thong	Hmong	Medicine	1
6	Inta et al. (2013A)	Journal article	Chiang Mai	Chiang Dao	Tai Yuan	Medicine	2
7	Inta et al. (2013B)	Journal article	Lamphun	Mueang Lamphun, Mae Tha	Tai Yuan	Medicine	19
8	Inta et al. (2014)	Book	Nan	Phu Phiang	Tai Yuan	All	2
9	Inta et al. (2018A)	Book	Mae Hong Son	Mae Sariang	Karen	Medicine	1
10	Inta et al. (2018B)	Book	Mae Hong Son	Sop Moei	Karen	Medicine	1
11	Inta et al. (2018C)	Book	Mae Hong Son	Khun Yuam	Karen	Medicine	1
12	Inta et al. (2018D)	Book	Mae Hong Son	Khun Yuam	Shan	Medicine	1
13	Inta et al. (2019)	Book	Phayao, Phrae	Mueang Phayao, Chiang Kham, Chun, Chiang Muan, Pong, Phu Sang, Dok Khamtai, Mae Chai, Mueang Phrae, Wang Chin, Song	Tai Yuan	Medicine	13

Table S2. Details of the 41 references used to analyze northern Thai hypertension plant data (cont.).

No.	References	Document Type	Province	District	Ethnicity	Plant Category	Number of species
14	Inta et al. (2020)	Book	Mae Hong Son, Lamphun	Mueang Mae Hong Son, Khun Yuam, Pang Ma Pha, Pai, Mae La Noi, Mae Sariang, Sop Moei, Mueang Lamphun, MaeTha, Ban Hong, Li Thung, Hua Chang, Pa Sang, Ban Thi, Wiang Nong Long	Tai Yuan, Karen, Lawa, Shan	Medicine	24
15	Inta et al. (2023)	Journal article	Mae Hong Son	Pang Mapha	Lisu	Zingiberaceae family	1
16	Kaewsangsai (2017)	Thesis (M.Sc.)	Chiang Mai	Omkoi	Karen	All	1
17	Kantasrila (2016)	Thesis (M.Sc.)	Tak	Tha Song Yang	Karen	All	7
18	Manosroi and Manosroi (1994)	Book	Lanna (Chiang Mai, Chiang Rai, Lampang, Lamphun Phrae Nan, Phayao, Mae Hong Son)	Not reported	Tai Yuan	Medicine	9
19	Manosroi et al. (2009)	Book	Lanna (Chiang Mai, Chiang Rai, Lampang, Lamphun Phrae Nan, Phayao, Mae Hong Son)	Not reported	Tai Yuan	Medicine	2
20	Manosroi et al. (2013)	Journal article	Lanna (Chiang Mai, Chiang Rai, Lampang, Lamphun Phrae Nan, Phayao, Mae Hong Son)	Not reported	Tai Yuan	Medicine	47
21	Muangyen (2013)	Thesis (M.Sc.)	Chiang Mai	Samoeng	Tai Lue	All	4
22	Nguanchoo (2014)	Thesis (M.Sc.)	Chiang Mai	Mae Rim	Hmong	All	5
23	Panta (2015)	Bachelor research	Chiang Mai	Phrao	Lisu	All	1
24	Pantarod (2002)	Thesis (M.Sc.)	Nan	Bo Kluea	H'Tin	Medicine	1
25	Panyadee et al (2019)	Journal article	Chiang Mai	Omkoi , Phrao, Mae Chaem	Tai Yuan, Karen, Lisu, Lahu	Medicine	3

Table S2. Details of the 41 references used to analyze northern Thai hypertension plant data (cont.).

No.	References	Document Type	Province	District	Ethnicity	Plant Category	Number of species
26	Panyaphu (2012)	Thesis (Ph.D.)	Nan	Tha Wang Pha	Mien	Medicine	1
27	Phongloy (2015)	Thesis (M.Sc.)	Mae Hong Son, Chiang Mai	Khun Yuam, Wianghaeng	Shan	All	4
28	Pomnat (2013)	Bachelor research	Chiang Mai	Hang Dong	Tai Yuan	All	3
29	Siewphukhieo (1987)	Thesis (M.Sc.)	Chiang Mai	Muang Chiang Mai	Hmong	Non-Food Wild Plants	1
30	Songsangchun (2015)	Thesis (M.Sc.)	Nan	Bo Klua	Tai Yuan	All	2
31	Sookchot (2003)	Bachelor research	Chiang Mai	Chiang Dao	Tai Yuan	Medicine	1
32	Srisanga et al. (2011)	Journal article	Chiang Rai	Mae Suai	Akha	All	3
33	Srithi (2012)	Thesis (Ph.D.)	Nan	Mueang Nan, Pua, Thung Chang, Song Khwae	Mien, Khamu, Lawa, Hmong	All	17
34	Sukkho (2008)	Thesis (M.Sc.)	Chiang Mai	Mae Chaem	Karen	Medicine	1
35	Sumridpiem (2017)	Thesis (M.Sc.)	Lamphun	Mueang Lamphun, Pa Sang	Tai Yuan, Tai Yong	All	37
36	Sutjaritjai (2019)	Thesis (Ph.D.)	Chiang Mai	Samoeng, Omkoi, Chom Thong, Mae Chaem	Karen (Pao), Karen (Sakao)	All	7
37	Tangjitman (2014)	Thesis (M.Sc.)	Chiang Mai	Samoeng	Karen	Medicine	1
38	Tovaranonte (1998)	Thesis (M.Sc.)	Nan	Tha Wang Pha, Pua	Lawa, Hmong, Mien	All	2
39	Tovaranonte (2002)	Research reports	Chiang Rai	Mueang Chiang Rai	Tai Yuan	All	3
40	Udompanid (2012)	Bachelor research	Mae Hong Son	Mueang Mae Hong Son	Shan	All	1
41	Winijchaiyanan (1995)	Thesis (M.Sc.)	Chiang Mai	Mae Chaem, Mae Tang	Karen	All	6

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