Evaluation of the wordlist used in a Mon-Khmer research project in Northeast Thailand

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0. Introduction

Part of our research project on Mon-Khmer languages of Northeast Thailand has been to compare wordlists taken from various related dialects and languages. In collecting additional wordlists, we chose to use the SIL Southeast Asia Wordlist of 281 words because there were already a significant number of lists available using this wordlist and we wanted to be able to compare these lists with those we were now collecting. The available lists included 1) those taken in Viet Nam and Laos (some dating back to the late 60s and early 70s), 2) lists collected by Thai linguists, 3) lists taken in refugee camps of NE Thailand from speakers from Laos, 4) lists collected by ourselves in NE Thailand several years ago, and 5) lists taken by Brian Migliazza in his recent study of the So language.

We rechecked the lists collected from communities resident in Thailand, as we were able, by revisiting the areas where the lists were elicited. After visiting representative villages of all Mon Khmer groups (with the exception of the large Northern Khmer community which has been more extensively studied) in the three provinces where we were authorized to work, we found that all but one of these groups were from the Katuic branch of Mon-Khmer. We then keyboarded all of the Katuic lists for comparison using the computer program WORDSURV. Based on our prior knowledge of a Katuic language, our improved knowledge of Lao and more experience in taking wordlists, we decided to exclude for comparison 78 words from the original list. This left 203 words for comparison in our final tabulation.

The problem of getting an appropriate wordlist is certainly not new. Huffman (1976:544) describes in detail his attempts to do this. In referring to the problem of generic vs. specific terms, for example, he says, "Southeast Asians never cut; they slice, chop, hack, snip, mince or split, but they seldom, if ever, cut." He excluded words from his list because they 1) were not culturally relevant or were missing (e.g. bear, shield), 2) demonstrated semantic overlap (e.g. hand/arm, day/sun, 3) were compounds (e.g. tree, beard, milk), 4) were too general (e.g. bad, good, basket, worm) or 5) were loan words (e.g. book, bottle, market).

Smith (1978:61), using the same SIL 281-item list which we used, excluded 69 words from comparison. 37 of these were words which we also excluded. Smith's reasons for exclusion were very similar to Huffman's and ours (1) confusion of elicitation, 2) duplication, 3) phrase, 4) borrowed or not cultural, 5) differences in division of semantic domain, 6) eliciting grammatical rather than

lexical data). But the broadly based nature of Smith's study (30 widely different Mon-Khmer languages) versus the more narrowly focused study of ours resulted in a number of different decisions. For example, where Smith disqualified *papaya* and *coconut*, there was no reason for us to do so. We also did not automatically disqualify compounds which Huffman and Smith disqualified. If they seemed fairly stable and widespread, we retained them. We did not disqualify words which were grammatical in nature, though problems in elicitation resulted in some of these being excluded.

Problems we encountered with specific entries on the wordlist that led to exclusion may be summarized in several categories. Some entries had problems in more than one of these areas. Numbers following the English gloss in the description below indicate numerical postion on the wordlist. (See Appendix 1.)

1. Problems involving the eliciting language

1.1 Differences between languages

Lists have been collected in three different national languages, Thai, Lao and Vietnamese, none of which have completely similar semantic domains for all entries on the list. For example, the word *worm* (67) on the Vietnamese list called for an *earthworm*, whereas the same entry in Thai and Lao referred to the kind of worm found in rotten fruit. Similarly, the word for *cow* (64) on the Thai list asked for *female buffalo*, where the Lao entry asked for *cow*. When comparing lists taken in two or more national or regional languages care should be taken to try to assure the elicitation of semantically identical words.

1.2 Supposed synonyms or two possibilities given

Sometimes an entry had two words given that were supposedly synonymous, but really weren't, as in the word for blow (113), where the Thai list has both blow and fan. This made eliciting a consistent response difficult and suspect. Similarly on the Thai and Lao lists the word for sick (104) gave two possibilites, both of which have distinct meanings in the Katuic languages. The word scorpion (68) caused confusion because Katuic languages distinguish between at least two different kinds, both of which were included on the Lao list. Other words where this proved a problem include branch/stick (37), return (132), fall (140), squeeze (154), child (160), to steam (182), swell (244) and bad (256). Lists that are used for comparison should be elicited with only one possibility for each entry.

1.3 Homonyms or phonologically similar words in the eliciting language

A word that has a homonym in the eliciting language will often result in confusion. This was true in the Lao list where the words swim (134) and float (135) were both elicited with the same word. Also, the Thai and Lao word for some (223) is the same as the word for thin (233). There was no problem eliciting thin, but when we asked for some we always got thin. Similarly, the word areca (40) was misunderstood as the generic word for fruit since in Lao and Thai it is the same word. Part of the problem with the word some may also have been the difficulty of establishing a context for the word some, but it is nevertheless true that

homonyms, or even phonetically similar words, in the eliciting language are potential problems.

There were also cases of misunderstanding of the eliciting language, which were not always due to mispronunciation. For example, the Lao word *smell* (119) was easily confused with the phrase *can eat* since these are identical except for the tone on the second segment of the item. Since *eat* is the more common word, we would often get this response when asking for *smell*. The word *few* (224) on both the Thai and Lao lists includes the word for *small/little* and this proved confusing to a Katuic respondent who often heard it as a similar expression for small *child*. Also, the concept of *few* was somehow difficult to communicate.

2. Unknown, uncultural or borrowed words

Sometimes no response was given to unknown or uncultural words, but often they simply borrowed the term from the national or regional language. Occasionally, a vernacular word was no longer used, having been replaced by the national or regional word. Examples of this type of replacement are the words for same (262) and different (263). Other words excluded in this category are snow (14), freeze (15), lake (18), sea (19), gold (25), rabbit (59), sing (197).

3. No generic category in Katuic language

Sometimes there was no generic category in the Katuic language, as for the word leg (92). In Katuic languages one must specify the part of the leg in question. Similarly, most of the Katuic respondents could not think of a generic term for animal (51) and clothing (193). For these words they generally used a borrowed term. No generic word for rattan (39) resulted in different varieties being given, sometimes more than one.

4. Repetitions

Some words were repeated in the Katuic languages, leading to the retaining of only one occurrence. For example, the words for *fingernail* (91) and *claw* (49) are the same in Katuic. The same is true for *hair* (80) and *feather* (45), *firewood* (183) and *fire* (184), *here* (264) and *this* (266), *there* (265) and *that* (267). *Twenty* (219) was excluded because it is generally composed of *two* (210) and *ten* (218).

5. Irregular elicitation

This category accounted for 16 words being excluded. The reasons varied, but were generally related to elicitation procedures. For example, the response to the word for *throw* (139) depends on the mode of *throwing*. Katuic languages have different words for throwing overhand and throwing underhand. And even if we were careful to illustrate with an overhand motion, we could not be sure how previous lists had been elicited. Some of the entries suggest that an underhand motion was used.

Other words excluded under this category were the following:

river (17) - many borrowed this word, but some Katuic languages distinguish on the basis of size.

forest (29) - unclear as to secondary or primary forest.

chest (83) - some responded with chest, some with breast or heart.

heart (85) - sometimes this was understood as figurative, sometimes as the physical heart.

this was excluded because of the closeness between listen and hear and the feeling that there had been some confusion in the responses.

speak (108) - this has many possible representations in Katuic languages as it does in English: e.g. tell, say, speak, etc.

suck (111)

- respondents were unclear whether this referred to sucking a straw or breast, or to smoking a cigarette, all of which were covered by the Thai & Lao word used to elicit, but would require different Katuic words.

want (124) - many responded with want to have or a similar phrase.

come (130) - confused with come here and return.

turn (133) - confusion between turn (a corner) and turn around.

rub (148) - often confused with wipe (147); also confused with applying medication.

cut (150) - brought responses ranging from chop to slice to having an accidental cut (e.g. on the hand or arm).

hunt (206) - Katuic languages have many different kinds of hunting, e.g. with gun, with snare, with net.

fight (208) - in Katuic languages this would be differently rendered if the altercation were with words, with weapons, were reciprocal, etc. e.g. argue, hit each other, to box, etc.

dirty (246) this seemed to be too imprecise for Katuic languages. Some simply gave the word for black. Others borrowed the Lao word.

6. Disparity in range of meaning

The range of meaning between the eliciting language and the Katuic languages often proved problematic. For example, betel chew (179) sometimes elicited the whole chew and sometimes the various parts. For the word burn (185) Katuic languages distinguish between intentional vs. non-intentional burning and also between active vs. passive. The words sleep (125) and lie down (126) have the same overlap that they do in Thai and Lao in Katuic languages, with the former consisting of the latter plus a qualifying modifier, so it was difficult to know what was being elicited. Lie down was retained. The words hot (250) and cold (251) were excluded because of the confusion between sensation and temperature. Many had problems giving an equivalent for the word live (102), not because they did not have a word for the concept, but because the Thai or Lao word used to elicit it had a much broader range of meaning. The word given for dry (241) differed in many Katuic languages depending on whether the action was understood to mean to dry in the sun as rice or coffee or to hang up to dry as clothing or the condition resulting from these actions.

7. Difficulty of eliciting words in isolation

Most pronouns and grammatical connectors were excluded because of the difficulty of eliciting these words in isolation. Even when illustrative sentences were given, the connectives and pronouns were often not able to be isolated. These included he/she (169), we (incl) (170), you (pl) (171), they (172), when (268), who (270), and (272), with (273), at (274), because (275), how (276), if (277), in (278), and not yet (280). On the other hand, the words I (167), you (sing.) (168), where (269) and what (271) seemed to be easily elicited and were retained.

8. Other

Four other words were excluded that did not fit neatly into any of the above categories, and we are not sure what made them difficult to elicit. The word for dust (24) had no entry nine times, there were six unique responses and a few responded with the word for ashes. This may have been an eliciting language problem where respondents did not understand what was being asked. The word loincloth (194) seemed to be a problem for many respondents, which was surprising since this is a common culturally known item in other Katuic languages. The word for dull (248) also proved problematic for many, perhaps in part because the phrase not sharp was used in eliciting it, but it still seems surprising that this was not a well-understood concept. The word good (255) also presented problems, although the eliciting word was clear and well-known. Perhaps this was a problem of not having a generic word, but we do not know why it proved difficult. In most cases they simply used the Thai or Lao word.

9. Retained despite problems

There are 15 words that presented some problems, but were retained because we felt the problems were not serious enough to exclude them. On later reflection and/or better information some of these may also be candidates for exclusion.

Three of these words had responses that generally fell into two cognate sets. In at least some Katuic languages terms from both sets occur with slightly different meanings. These words are *mist* (9), *stone* (21), and *cord/string* (191). They were retained, however, because we could not be sure that all the Katuic languages had both.

The English glosses of nine other words in this category are generic in nature, whereas most Katuic languages have several varieties, or make other distinctions. But in these instances responses seemed constrained by the corresponding word in the eliciting language, so were retained. These words are monkey (60), deer (61), bite (114), walk (129), drum (199), gong (200), many (222), short (229), and round (230).

The word for *rainbow* (8) caused some amusement because the Lao form includes the words *drink/eat water*. The Katuic respondent would give their word for *rainbow*, and then, with a laugh add *drinks water*, indicating that this was not a normal part of their word. We retained this word, but deleted *drinks water*.

The words for *mud* (23) and *spear* (204) were strong candidates for exclusion, but we decided to retain both. Although *mud* had 15 distinct cognate categories, indicating a possible problem with the elicited form, we did not feel we could exclude it on that basis alone. *Spear* could be excluded on the basis of borrowing, but it was not clear to us that this was actually borrowed, even though some Katuic languages do have a distinctive vernacular form for this.

10. Conclusion

The percent of shared cognates will certainly be affected by the consistency of the list and the elicitation process. We found that when we excluded the 76 problematic entries from the list our cognate percentages went up by three to six percent. This seems a significant adjustment, particularly when comparing closely related languages and/or dialects.

REFERENCES

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Smith, Kenneth D. 1978. An Automatic Typewriter Assist to Comparative Linguists, with Application to 30 Mon-Khmer Languages. Paper presented to the Second International Congress on Austroasiatic Linguistics, Mysore, India, December 19-21, 1978. Revised and expanded as "A lexicostatistical study of 45 Mon-Khmer languages" in Gonzalez and Thomas, eds., Linguistics Across Continents: 1981. Manila: Linguistic Society of the Philippines.

Appendix: SIL Southeast Asia wordlist (as used in current Mon-Khmer project). S indicates status as described in paper: i = inclusion, e = exclusion, p = problematic.

Englis	h	Lao	Thai	V-Mese	S
1.	sky	ป้า	ฟ้า	trời	i
2.	cloud	ເກນ	เมฆ	mây	i
3.	sun	ตางวัน	พระอาทิตย์, คะวัน	mặt trời	i
4.	moon	ເດືອນ	พระจันทร์, เคือน	trăng	i
5.	star	กาว	คาว	sao	i
6.	wind	ິລິນ	ดม	gió	i
7.	rain	ຝົນ	ฝน	mưa	i
8.	rainbow	ຮັງກິນນ້ຳ	ই্য	mống	p

9.	mist	พอก	หมอก	sương mù	i
10.	night	ກາງຄືນ	กลางคืน	đêm	i
11.	day	ກາງເວັນ	กลางวัน	ngày	i
12.	year	ปิ	บ	năm	i
13.	hail	ฒากเตับ	ลูกเห็บ	mưa đá	i
14.	snow	_ຶ ຫມະ	หิมะ	tuyết	e
15.	freeze	(ໝາວຈົນ) ແຊງ (ການ)	(หนาวจน) แข็ง	đông lanh	e
16.	water	บ ้ำ	น้ำ	nước	i
17.	river	<pre> α ม่น้ำ </pre>	แม่น้ำ	sông	e
18.	lake	ທະເລ ບຶງ	ทะเลสาป บึง กว้าน	hồ	e
19.	sea	ທະເລ	ทะเล	biền	e
20.	earth	ແຜ່ນດິນ	แผ่นคิน	đát	i
21.	stone	์ ทีม	หิน •	đá	p
22.	sand	ยาย	ทราย	cát	i
23.	mud	ទ្ធុយ្យ	โคลน	bùn	p
24.	dust	ู้ ยู่ บ	ฝุ่น	bụi	e
25.	gold	ທອງ	ทอง	vàng	e
26.	silver	ເງິນ	เงิน	bạc	i
27.	mountain	Ų	ภูเขา, คอย	núi	i
28.	tree	ຕົນໄມ້, ກົກໄມ້	ค้นไม้	cây	i
29.	forest	<i>บ</i> ่า	ป่า	rừng	e
30.	leaf	ផេវប្ស	ใบไม้	lá	i
31.	bark	ภาขไม้	เปลือกไม้	vò cây	i
32.	flower	ดอดไม้	คอกไม้	hoa	i
33.	root	ราทไม้	รากไม้	rễ	i
34.	fruit	ขบากไม้	ผลไม้, ลูกไม้	trái	i
35.	seed	ເນັດ, ໄນ	เมล็ค	hột	i
36.	grass	พยั า	หญ้า	có	i
37.	stick	ลัอมไม้, ไม้เท้า	กิ่งไม้	gậy	e
38.	banana	ฆาภภัยย	กลัวย	chuối	i
39.	rattan	พอาย	หวาย	mây	e
40.	areca	ฒาภ	หมาก	cau	e
41.	papaya	ฆากรุ่า	มะละกอ	đuđú	i
42.	coconut	พากพัวจ	มะพร้าว	dừa	i

43.	bird	ິນກ	นก	chim	i
44.	wing	ປີກ	ปีก	cánh	i
45.	feather	อูท	ขน	lông chim	e
46.	fly	ข็ม	บิน	bay	i
47.	egg	te	ไข่	trứng	i
48.	tail	ี่ขาา	หาง	đuôi	i
49.	claw	ເລັບ ຂອງສັດ	เล็บ (ของสัคว์)	móng thú	i
50.	horn	เอิา	เขา	sừng	i
51.	animal	ăัก	สัคว์	con vật	e
52.	dog	ฆา	หมา	chó	i
53.	pig	മൂ	หมู	heo	i
54.	chicken	tn	ไก่	gà	i
55.	duck	เป็ก	เปิด	vit	i
56.	fish	ปา	ปลา	cá	i
57.	snake	Ĵ	3	rán	i
58.	rat	ฑู	หนู	chột	i
59.	rabbit	ກະຕ່າຍ	กระค่าย	thỏ	e
60.	monkey	ລິງ	ลิง	khi	p
61.	deer	ກວາງ	กวาง	nai	p
62.	tiger	, ଶୈତ	เสีย	cop	i
63.	buffalo	ถวาย	ควาย	trâu	i
64.	cow	ງົວ	ควายศัวเมีย, แม่ควาย	bò	e
65.	elephant	ช าว	ช้าง	voi	i
66.	(elephant) tusl	<mark>เ</mark> วาช้าว	งาช้าง	ngà	i
67.	worm	มกอก	หนอน	trùn	e
68.	scorpion	ແນງງອດ, ແນງເງົາ	แมดงป้อง	bọ cạp	e
69.	spider	ແກງກຸ່ກ	แมดงมุม	nhện	i
70.	louse	cฑิา	เหา	chí	i
71.	mosquito	СЪ	цэ	muỗi	i
72.	a fly	ແມງວັນ	แมลงวัน	ruồi	i
73.	nose	ດັງ	จมูก	mũi	i
74.	eye	ิตา	คา	mắt	i
75.	ear	Q	หู	tai	i
76.	head	ີຫິວ	หัว	đầu	i

77.	mouth	ปาภ	ปาก	miệng	i
78.	tooth	αဋ္ဌ	ฟัน, เขี้ยว	răng	i
79.	tongue	້ລິ້ນ	ลิ้น	lưỡi	i
80.	hair	<u> </u>	ผม	tóc	i
81.	neck	ຄໍ	คอ	cổ *	i
82.	shoulder	บ่า ไี่่	บ่า ไหล่	vai	i
83.	chest	ໜ້າ <mark>ເອ</mark> ົກ	หน้าอก	ngực	e
84.	back	ຫຼັງ	หลัง	lưng	i
85.	heart	ทิ่วใจ	หัวใจ	tim	e
86.	abdomen	ຫັອງ	ท้อง	bụng	i
87.	intestine	(ä	ીતે	ruột	i
88.	liver	์ ตับ	คับ	gan	i
89.	hand	ືນ	มือ	tay	i
90.	palm	ผ่ามื	ฝ่ามือ	bàn tay	i
91.	nail	ເລັບ	តើប	móng	e
92.	leg	ยา	רע	chân	e
93.	foot	ຕີນ	เท้า, คืน	bàn chân	i
94.	knee	ติ่อเอ๋า	เข่า	đầu gối	i
95.	thigh	อาอ ่อม, ภิภอา	ขาอ่อน, คันขา	bấp đùi	i
96.	calf	ງແຮ່ວ	น่อง	bắp chân	i
97.	blood	ୈ ୧೧	เลือค	máu	i
98.	bone	ກະດູກ	กระดูก	xương	i
99.	skin	ໜັງ, ຜິວໜັງ	ผิวหนัง	da	i
100.	flesh	ល៉ើខ	เนื้อ	thịt	i
101.	fat	เ รทุก	ไขมัน	mỡ	i
102.	live	ເປັນ, ມີຊີວິດຢູ່	เป็น	sống	e
103.	die	ตาย 🕝	คาย	chết	i
104.	sick	เวับ, บ่วย	เจ็บ, ป่วย	đau	e
105.	breathe	ทัมใจ	หายใจ	thở	i
106.	hear	ໄ ດ້ຍິນ	ได้ยิน	nghe	e
107.	see	เข้ม	เห็น	xem	i
108.	speak	ເວົ້າ	พูค	nói	e
109.	laugh	ຫຼວຣວກ	หัวเราะ	cười	i
110.	weep	ຮ້ອງໄຫ້	ร้องให้	khóc	i

111.	suck	ຕູດ	กูก	bú	e
112.	spit (v)	ກິ່ມນ້ຳລາຍ	ถ่ม	khạc nhổ	i
113.	blow	เปิ่า	พัค วี	thổi	i
114.	bite	อิบ, ทัด	กัค	cắn	p
115.	eat	ກິນ	์กิน	ăn	i
116.	drink	ก็มน ้ ำ	คืม	uống	i
117.	drunk	ເມົາ	เมา	say	i
118.	vomit	ราภ	อาเจียน ราก	mửa	i
119.	smell	ได้ที่ม	ได้กลิ่น	ngửi	e
120.	think	ຄຶດ, ຄືດ	กิค	nghĩ	i
121.	know	Ş	Ĭ	biết	i
122.	count	มัข	น ับ	đếm	i
123.	afraid	ป้าม	กลัว	sợ	i
124.	want	ຕ້ອງການ, ຢາກ	ค้องการ, อยาก	muốn	e
125.	sleep	บอนซูเับ	หลับ	ngù	e
126.	lie down	กอก	นอน	năm	i
127.	stand	ยืน	ยืน	đứng	i
128.	sit	ນັ່ງ	นั่ง	ngồi	i
129.	walk	ย่าე	เคิน	đi	i
130.	come	່ມາ	มา	đến	e
131.	enter	เอิ้า	เข้า	vào	i
132.	return	ເມືອ, ກັບ	กลับมา	về	e
133.	turn	ັລຽວ, ຫັນ	กลับ, เห็น	queo	e
134.	swim	ลอยน้ำ	ว่ายน้ำ	lội	i
135.	float	ଇତଥ	ลอย	nổi	e
136.	flow	tog	ไหล	chảy	i
137.	push .	Ų	ผลัก	đầy	i
138.	pull	ດຶງ	คึง	kéo	i
139.	throw	รอาวู, โยม	ขว้าง, ปา	ném	e
140.	fall	ຕົກ, ຫລິ່ນ	คก, หล่น	rót	e
141.	give	ใต้, เอิาใต้	ให้	cho	i
142.	take	เอิา	เขา	lấy	i
143.	wash	້ລາງ	ล้าง	rửa	u
144.	launder	ุ ชักฬา	ซ ัก	giặt	i

145.	split	ผ่า	ผ่า	chė	i
146.	tie	ជូរា	ผูก	buộc	i
147.	wipe	เรัก	เปิด	lau	i
148.	rub	ຄູ, ຊັດ	ถู, ชัค	chà	e
149.	hit	ñ	ମି	đánh	i
150.	cut	ท ัก	คัค, บาค	cát	e
151.	stab	ແ ທງ	uns	đâm	i
152.	dig	ຊຸດ	ψP	đào	i
153.	scratch	ຊຸດ, ເກົາ	ชูค, เกา	gài	i
154a.	squeeze	ขืบ	บิค	bóp	e
154b.	wring	ປີດ			e
155.	man	ผู้อาย	ผู้ชาย	đàn ông	i
156.	woman	ជុំបិំៗ	ผู้หญิง	đàn bà	i
157.	person	ຄົນ	คน	người	i
158.	father	ů	พ่อ	cha	i
159.	mother	ແມ່	แม่	mę	i
160.	child	ເດັກ, ລູກ	เค็ก, ลูก	con	e
161.	husband	ຜີວ	ผัว	chồng	i
162.	wife	_เ มัย	เมีย	vợ	i
163.	brother	ອ້າຍ, ນ້ອງຊາຍ	พี่ชาย, น้องชาย	anh	i
164.	sister	ເອື້ອຍ, ນ້ອງສາວ	พี่สาว, น้องสาว	chị	i
165.	younger siblin	gນ້ອງ	น้อง	em	i
166.	name	୍ଟ ୧	ชื่อ	tên	i
167.	I	อัดย, อ้ามัดย, ภู	ฉัน, กู	tôi	i
168.	you	ເຈົ້າ, ທ່ານ, ມຶງ	เธอ, มึง		i
169.	he, she	ເຂົາ, ເພິ່ນ, ລາວ, ມັນ	เขา	nó	e
170.	we (incl)	ເຮົາ, ພວກເຮົາ, 🖟	เรา	chúng ta	e
		พวทहัยย, พวทร้ามัยย			
171.	you	ພວກເຈົ້າ, ພວກທ່ານ	พวกเธอ, พวกมึง		e
172.	they	ພວກເខົາ, ພວກເຈົ້າ	เขาทั้งหลาย, พวกเขา	họ	e
173.	field rice	เอิ้าเปือก	ข้าวเปลือก	lúa	i
174.	pounded rice	เอิ้าสาม	ข้าวสาร	gạo	i
175.	cooked rice	cอ ้ าสุท	ข้าวสุก	com	i
176.	corn	เอิ้าสาลิ	ข้าวโพค	báp	i

177.	salt	រោិទ	เกลือ	muối	i
178.	red pepper	ฆาภเผัด	พริก	ớt	i
179.	betel chew	ลัฐอุฒาก	เคี้ยวหมาก	trầu	e
180.	pestle	สาภ	สาก	chày	i
181.	mortar	ຄຶກ	ก รก	cối	i
182.	to steam	ໜຶ່ງ, ຫຸງ	นึ่ง, คุ๋น	nấu	e
183.	firewood	ຟິ ນ	พัน	cúi	i
184.	fire	^t ฟ	"I'W	lữa	e
185.	burn	ເຜັາ, ໄໝ້	เผา	cháy	e
186.	ashes	เกิ่า, ฮิ๊เก้า	เถ้า, ขี้เถ้า	tro	i
187.	smoke	ຄວັນ	ควัน	khói	i
188.	road	ທາງ, ທາງຫລວງ	ถนน, ทาง	đường	i
189.	house	នើខរ	บ้าน	nhà	i
190.	roof	ฆ ู้ ๊ายา	หลังคา	mái	i
191.	cord	୍ଟେ ଚ୍ଚ	เชือก	dây	p
192.	sew	พยับผ้า	เย็บ	may	i
193.	clothing	ເສືອຜ້າ	เสื้อผ้า	áo	e
194.	loincloth	<mark>ผ้าเ</mark> ข้าม้า	เคี่ยว, ผ้าชาวม้า	khô	e
195.	work	ເຮັດວຽກ	งาน	làm	i
196.	play	ీ ໝີ່ ນ	เล่น	chơi	i
197.	sing	ຮ້ອງເພງ	ร้องเพลง	hát	e
198.	dance	ເຕັ້ນລຳ, ຟ້ອນ	เต้นรำ, พ้อน	múa	i
199.	drum	ກອງ	กลอง	trống	p
200.	gong	ຄ້ອງ	ม้ อง	chiêng	p
201.	buy	ਰ ਹ	ซื้อ	mua	i
202.	crossbow	ໝ້າທະບູ	หน้าไม้	ná	i
203.	arrow	ลูทสอบ	ลูกศร	tên	i
204.	spear	พอก	หอก	giáo	p
205.	shoot	ຍິງ	ยิง	bán	i
206.	hunt	ล่าเงื้อ	ล่า	săn	e
207.	kill	ร้า	ฆ่า	giết	i
208.	fight	मूल हैं	તું .	đánh nhau	e
209.	one	ນຶ່ງ	หนึ่ง	mốt	i
210.	two	ක වෙ	สอง	hai	i

211.	three	สาม	สาม	ba	i
212.	four	coa	ä	bốn	i
213.	five	ข้า	ห้า	năm	i
214.	six	์ ชิก	พก	sáu	i
215.	seven	เจ้ก	เรีย	bẫy	i
216.	eight	ന്ന വറ	แปด	tám	i
217.	nine	เท้า	เก้า	chín	i
218.	ten	ສິບ	สิบ	mười	i
219.	twenty	ยาอ	ยี่สิบ	hai mười	e
220.	hundred	รียย	ร้อย	trăm	i
221.	all	ທັງໝົດ	ทั้งหมค	tất cả	i
222.	many	มีใ J ถ	หลาย, มาก	nhiều	p
223.	some	ขาງ	บ้าง, บาง	vài	e
224.	few	ເລັກນ້ອຍ	น้อย	ít	e
225.	big	ใพย	ใหญ่	lớn	i
226.	small	์ มีอย	เล็ก	nhỏ	i
227.	long	ยาอ	ยาว	dài	i
228.	tall	สู	สูง	cao	i
228. 229a.		ลี) สั้ม	สูง สั้น	cao –	i p
229a.			-	cao – thấp	
229a.	short (length)	ลั้ม	สั้น	-	p
229a. 229b.	short (length) low (height)	ສັ້ນ ຕ່ຳ	สั้น เคีย	- thấp	p p
229a.229b.230.	short (length) low (height) round	ສັ້ນ ຕ່ຳ ກົມ, ມີນ	สั้น เคี้ย กลม	- thấp tròn	p p p
229a. 229b. 230. 231.	short (length) low (height) round smoot	ສັ້ນ ຕ່ຳ ກົນ, ມີນ ລຽບ, ກ _ໍ ຽ້າ	สั้น เคี้ย กลม เรียบ	– thấp tròn láng	p p p i
229a. 229b. 230. 231. 232.	short (length) low (height) round smoot thick	ສັ້ນ ຕ່ຳ ກົມ, ມິນ ລຽບ, ກ _ໍ ູລັຳ ໜາ	สั้น เคี้ย กลม เรียบ หนา	– thấp tròn láng dày	p p p i
229a.229b.230.231.232.233.	short (length) low (height) round smoot thick thin	ສັ້ນ ຕ່ຳ ກົມ, ມິນ ລຽບ, ກ _ໍ ູລັາ ໜາ ບາງ	สั้น เคี้ย กลม เรียบ หนา บาง	– thấp tròn láng dày mõng	p p i i
229a. 229b. 230. 231. 232. 233. 234.	short (length) low (height) round smoot thick thin wide	ສັ້ນ ຕ່ຳ ກົມ, ມິນ ລຽບ, ກຽ້າ ໜາ ບາງ ກວ້າງ	สั้น เคี้ย กลม เรียบ หนา บาง กว้าง	- thấp tròn láng dày mõng rộng	p p i i i
229a. 229b. 230. 231. 232. 233. 234. 235.	short (length) low (height) round smoot thick thin wide narrow	ສັ້ນ ຕ່ຳ ກົມ, ມົນ ລຽບ, ກຽ້າ ໜາ ບາງ ກວ້າງ ແຄບ	สั้น เคี้ย กลม เรียบ หนา บาง กว้าง แคบ	thấp tròn láng dày mõng rộng hẹp	p p i i i i
229a. 229b. 230. 231. 232. 233. 234. 235. 236.	short (length) low (height) round smoot thick thin wide narrow black	ສັ້ນ ຕຳ ກົມ, ມີນ ລຽບ, ກຣ້າ ໜາ ບາງ ກວ້າງ ແຄບ ດຳ	สั้น เคี้ย กลม เรียบ หนา บาง กว้าง แคบ คำ	thấp tròn láng dày mõng rộng hẹp đen	p p p i i i i i i i i i i i i i i i i i
229a. 229b. 230. 231. 232. 233. 234. 235. 236. 237.	short (length) low (height) round smoot thick thin wide narrow black red	ສັ້ນ ຕໍ່າ ກົມ, ມິນ ລຽບ, ກຽ້າ ໜາ ບາງ ກວ້າງ ແຄບ ດຳ	สั้น เคี้ย กลม เรียบ หนา บาง กว้าง แคบ คำ	thấp tròn láng dày mõng rộng hẹp đen	p p i i i i i i
229a. 229b. 230. 231. 232. 233. 234. 235. 236. 237. 238.	short (length) low (height) round smoot thick thin wide narrow black red white	ສັ້ນ ຕໍ່າ ກົນ, ມີນ ລຽບ, ກຣ້າ ໜາ ບາງ ກວ້າງ ແຄບ ດຳ ແດງ	สั้น เคี้ย กลม เรียบ หนา บาง กว้าง แคบ คำ แคง	thấp tròn láng dày mõng rộng hẹp đen đổ	p p p i i i i i i i i i i i i i i i i i
229a. 229b. 230. 231. 232. 233. 234. 235. 236. 237. 238.	short (length) low (height) round smoot thick thin wide narrow black red white green	ສັ້ນ ຕໍ່າ ກົນ, ມີນ ລຽບ, ກຣ້າ ໜາ ບາງ ກວ້າງ ແຄບ ດຳ ແດງ ຂາວ	สั้น เคี้ย กลม เรียบ หนา บาง กว้าง แคบ คำ แคง ขาว	thấp tròn láng dày mõng rộng hẹp đen đổ trắng xanh	p p p i i i i i i i i i i
229a. 229b. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239.	short (length) low (height) round smoot thick thin wide narrow black red white green yellow	ສັ້ນ ຕໍ່າ ກົນ, ມົນ ລຽບ, ກຣ້າ ໜາ ບາງ ກວ້າງ ແຄບ ດຳ ແດງ ຂາວ ຂຽວ ເໜືອງ ແຫ້ງ ປຽກ	สั้น เคี้ย กลม เรียบ หนา บาง กว้าง แคบ คำ แคง ขาว เขียว เหลือง	thấp tròn láng dày mõng rộng hẹp đen đó trắng xanh vàng	p p p i i i i i i i i i i i i i i i i i
229a. 229b. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240.	short (length) low (height) round smoot thick thin wide narrow black red white green yellow dry	ສັ້ນ ຕຳ ກົມ, ມີນ ລຽບ, ກຣ້າ ໜາ ບາງ ກວ້າງ ແຄບ ດຳ ແດງ ຂາວ ຂຽວ ເໜູືອງ ແຫັງ	สั้น เคีย กลม เรียบ หนา บาง กว้าง แคบ คำ แคง ขาว เขียว เหลือง แห้ง	thấp tròn láng dày mõng rộng hẹp đen đổ trắng xanh vàng	p p p i i i i i i i i i e e

244.	swell	ບວມ, ໄຊ້ຊື້ນ	บวม	sưng	e
245.	full (container)		เค็ม	đầy	i
246.	dirty	เปื้อม	สกปรก	do	e
247.	sharp (blade)	ີຄນ	คม	sác	i
248.	dull	ຫຼື,ັບ, ຫລັບ	ที่อ, ไม่คม	cùn	e
249.	new	เหม	ใหม่	mới	i
250.	hot	รือม	ร้อน	nóng	e
251.	cold	មើນ	เย็น	lạnh	e
252.	heavy	พัก	หนัก	nặng	i
253.	straight	ີ້ຊື່, ຕົງ	ครง, ชื่อ	thắng	i
254.	right	ຖືກ	ถูก	đúng	i
255.	good	ິດ	ñ	tốt	e
256a.	bad	ບໍ່ດີ	ไม่คี	xấu	e
256b.	evil	a ට	เดว	-	e
257a.	old (object)	ເກົ່າ, ແກ່	แก่	~-	i
257b.	old (person)	ເຖົ້າ, ແກ່	เฒ่า	già	i
258.	far	ኒካ	ไกล	xa	i
259.	near	ኒ ñ	ใกล้	gần	i
260.	rightside	ยอา	רכע	phải	i
261.	leftside •	ย ้าย	ซ้าย	trái	i
262.	same	ຄີ (ກັນ)	เหมือน (กัน)	giống	e
263.	different	ຕ່າງ (ກັນ)	ค่าง (กัน)	khác	i
264.	here	ນີ້, ທີ່ນີ່	(ที่) นี่	đây	e
265.	there	ພັຸນ, ທີ່ນັ້ນ	(ที่) นั่น	kia	e
266.	this	ື້ນ	นี้	này	i
<i>267</i> .	that	บ ั๊บ	าถึง	đớ	İ
<i>268</i> .	when?	ยามใด	เมื่อไร	khi nào	e
269.	where?	ប៉ូ ខែ ន	ที่ไหน	đâu	i
270.	who?	ខេ	ใคร	ai	e
271.	what?	ຫຍັງ, ແມ່ນຫຍັງ	อะไร	gì	i
272.	and	ແລະ, ກັບ	และ	và	e
273.	with	กับ, ม ำ , ถัยย	ค้วย, (อยู่) กับ	với	e
274.	at	ប់ ហ៊	(อยู่) ที่	tại	e
275.	because	ເພາະວ່າ, ຍັອນວ່າ	เพราะว่า	vì	e

276.	how	ຢ່າງໃດ, ແມອໃດ	อย่างไร	thế nào	e
277.	if	ก ัา	ถ้า	nếu	e
278.	in	ึงม	ใน	trong	e
279.	not	ΰ	ไม่	không	i
280.	not yet	ຍັງ, ຍັງບໍ່	ยัง, ยังไม่	chưa	e
281.	already	ແລ້ວ	แล้ว	rồi	i

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