

TOWARDS A RECONSTRUCTION AND RECLASSIFICATION OF THE LAKES PLAIN LANGUAGES OF IRIAN JAYA

DUANE A. CLOUSE

1. INTRODUCTION

Until recently, little has been known about the languages in the western Lakes Plain region of Irian Jaya, Indonesia. This large region of mostly sago swamp remains isolated from the rest of the province, as access into the area is by foot or by single engine aircraft only. Some areas around the headwaters of and to the south of the Wapoga river have not yet had any contact with the outside world.

In 1991 the *Irian Bulletin* published the second edition of the *Index of Irian Jaya languages* (Silzer and Clouse 1991¹). In that edition, several languages in the western Lakes

¹ The languages discussed in this paper were classified in the *Index* as follows. The number following the language is the approximate population:

Trans New Guinea Phylum	
Dani-Kwerba Stock	
Dani Sub-Family	
Western Dani	129,000
Northern Sub-Phylum-Level Superstock	
Tor-Lakes Plain Stock	
Tor Family	
Berik	1,000
Orya Family Isolate	
Orya	1,600
Central Lakes Plain Family	
Doutai	335
Eritai	425
Obokuitai	150
Sikaritai	800
Biritai	250
Kai	250
Waritai	?
Duvle	200
Kwerisa	56
Papasena	400
East Lakes Plain Family	
Taworta	?
Dabra	100
Foau	230
Turu Family Isolate	
Edopi	750
Iau	500

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Pacific Linguistics, A-85, 1996.

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Plain region remained unclassified, several others were little more than rumoured. Some languages were grouped together with the Geelvink Bay Phylum and others with the Trans New Guinea Phylum.

My wife and I began linguistic research in the Kirikiri language of the Lakes Plain area in 1989. After discovering several unusual phonological features (for non-Austronesian languages) in Kirikiri (Clouse and Clouse 1993) and other Lakes Plain languages, we became aware of the need for a wider, more comprehensive investigation. This research was followed in 1992 by a linguistic survey of the Wapoga River area.

My original, limited goal was to be able to more accurately classify the Kirikiri language and to understand how it genetically fits into the wider linguistic environment. This goal ultimately led to a comparative study of almost all of the western Lakes Plain languages and an attempt at a historical reconstruction of Proto Lakes Plain. In this paper I will attempt, through a historical reconstruction, to demonstrate that all of the Lakes Plain languages are related to each other and that there is ample phonological and lexicostatistical evidence to reclassify them under a superstock, belonging to the Geelvink Bay Phylum rather than under Tor Stock, Trans New Guinea Phylum. All the reconstructions proposed in this paper are original. Since many different theoretical approaches were used by the authors of the various phonologies of the Lakes Plain languages, I reanalysed many of the published and unpublished phonologies in order to make the comparation easier. A 'realist' as opposed to a 'formalist' approach was used in reconstructing the protolanguages. This means "reconstructed protolanguages are viewed not as formal devices but as real entities, as real as the languages around us" and therefore "there is great concern with positing typologically plausible systems" (Lichtenberk 1994:1). The languages in the Lakes Plain not included in the study were Kwerisa and Papasena in the Central Lakes Plain Family and Taworta, Dabra and Foau in the East Lakes Plain Family, as classified by Voorhoeve 1975 and Silzer and Clouse 1991. The data available for these languages was considered insufficient for drawing any conclusions, although they are included in the final reclassification offered at the end of this paper. This paper constitutes the results of my findings to date. All of my conclusions must be taken as tentative as much of my data consists of 267-item word lists (some taken monolingually by non-linguists). Since little grammatical information was available, no attempt was made at a comprehensive comparison of the grammatical features of these

Kaure Sub-Phylum-Level Stock	
Kaure Family	
Kaure	400
Geelvink Bay Phylum	
East Geelvink Bay Stock-Level Family	
Bauzi	1,500
Demisa	500
Awera Group	
Awera	100
Saponi	10
Rasawa	200
Unclassified	
Kirikiri	250
Fayu	400
Tause	350
Rumoured (no data)	
Sehudate	75
Faia	100
Weirate	75
Deirate	75

languages. Despite the inherent inaccuracies that are bound to occur in these circumstances, I hope that this initial attempt at reconstructing and reclassifying the Lakes Plain languages will be of some use to those interested in non-Austronesian languages and phonological universals and will prompt further linguistic study of this lesser known area of the island.

1.1 NAMES

When the term western Lakes Plain is used in this paper, it refers roughly to the area from the juncture of the Tariku (Rouffaer) and Mamberamo Rivers westward to Cenderawasih (Geelvink) Bay. Many geographical names were changed when Irian Jaya became a province of Indonesia. The older names have been retained when they coincide with recognised linguistic classifications (e.g. Geelvink Bay with Geelvink Bay Phylum) or have been used extensively in other linguistic literature. Otherwise, the more recent Indonesian name has been used. The language names used are those found in the second edition of the *Index of Irian Jaya languages* (Silzer and Clouse 1991).

1.2 LOCATIONS

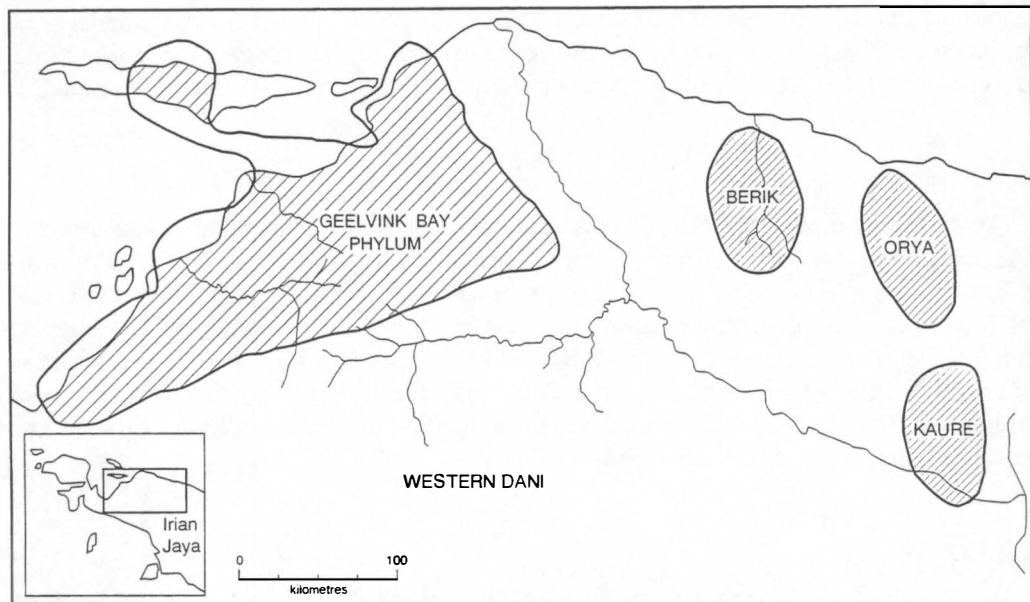
No attempt was made at placing villages on the maps. Most of these groups are semi-nomadic and village locations are constantly moving. Only the villages in which the word lists were taken are listed in Appendix 3. These villages are plotted with a small dot (•) on Map 2 in order to give the reader a sense of possible second language influence. Dialect boundaries are marked on Map 2 by a dotted line.

1.3 ABBREVIATIONS

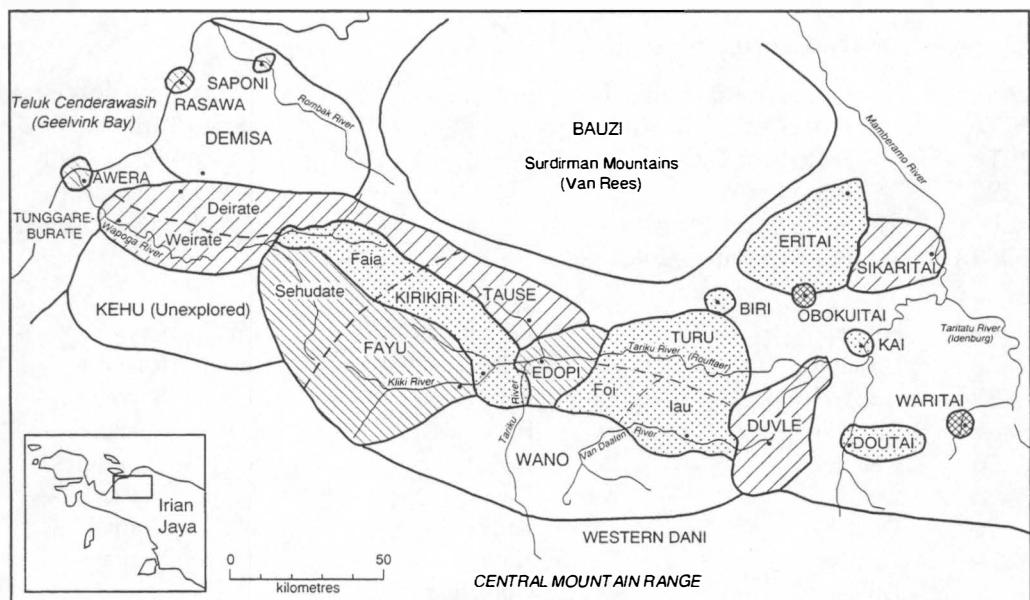
Abbreviations used in this paper are:

PAn-D	Proto Austronesian – Dempwolf	POc-Gr	Proto Oceanic – Grace
PCT	Proto Central Tariku	PT	Proto Tariku
PET	Proto East Tariku	PWT	Proto West Tariku
PFW	Proto Far West	V^	extra high vowel
PLP	Proto Lakes Plain	C'	unreleased consonant
POc-BLAA	Proto Oceanic – Blust		

Aw	Awera	Ed	Edopi	Or	Orya
Bi	Biritai	Er	Eritai	Ra	Rasawa
Bk	Berik	Fa	Faia	Sa	Saponi
Bz	Bauzi	Fy	Fayu	Se	Sehudate
De	Deirate	Ia	Iau	Si	Sikaritai
Dn	Dani	Ka	Kai	Ta	Tause
Do	Doutai	Ki	Kirikiri	Wa	Waritai
Ds	Demisa	Kr	Kaure	We	Weirate
Du	Duvle	Ob	Obokuitai		

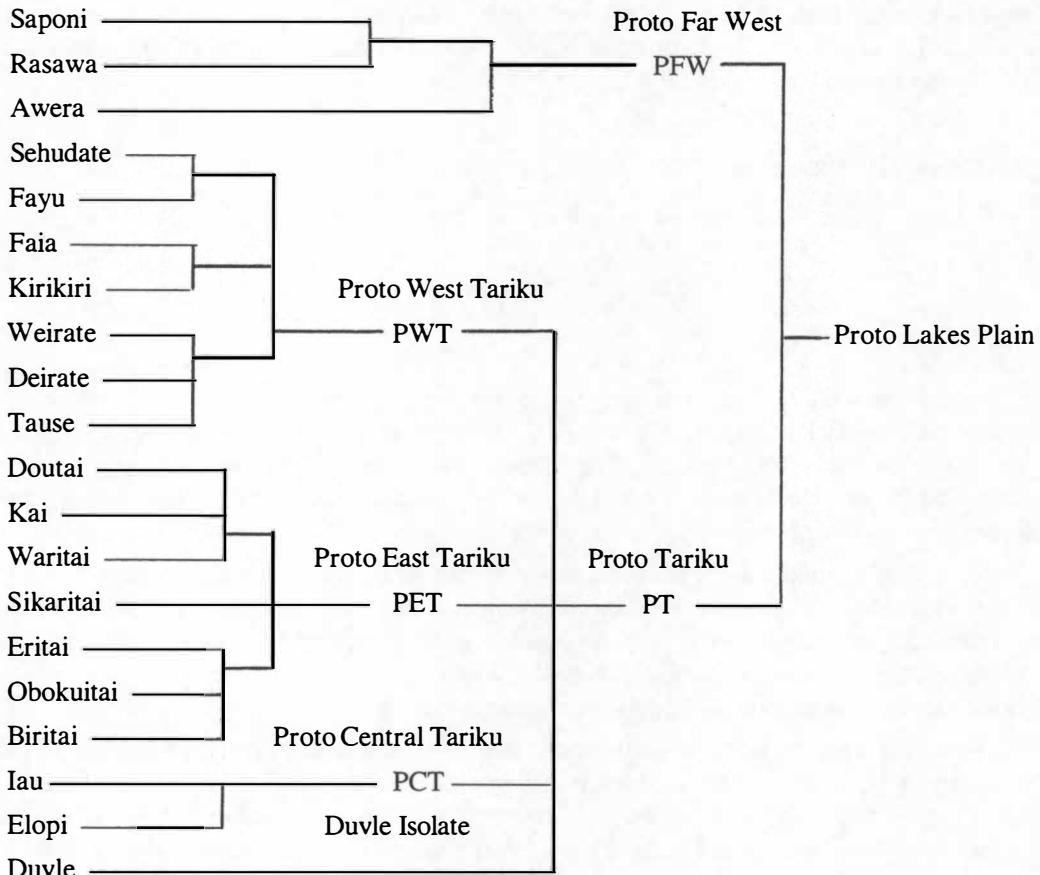


MAP 1: NORTH IRIAN JAYA
(according to Voorhoeve 1975)



MAP 2: THE WESTERN LAKES PLAIN
(Modified from Silzer and Clouse 1991)

The discussion in this paper will be based on the following tree diagram, which represents the order of historical divergence. Moving right to left, therefore, Proto Lakes Plain diverged into Proto Far West and Proto Tariku and Proto Tariku into Proto West Tariku and so on.



2. BORROWED VERSUS COGNATE

Foley (1986) has stated in his book *The Papuan languages of New Guinea* that we face a “daunting assignment” as we try to reconstruct Papuan languages. With no written documents before the twentieth century and, more significantly, because the languages are small, contiguous and “normally exhibit a pattern of enormous cross-influence in all areas” (1986:209), I have found with this study that sorting cognates from borrowings is at best a “tricky undertaking”. Therefore, in formulating a reconstruction of Lakes Plain languages, core vocabulary (pronouns, nouns referring to body parts, simple kin relations, natural phenomena and basic verb roots) was used in order to lessen the chance of borrowing.

3. PROTOLAKES PLAIN

Proto Lakes Plain was a non-Austronesian language spoken perhaps a millennium or more ago in the southern Van Rees mountains east of Cenderawasih Bay in what is now the

province of Irian Jaya, Indonesia. If their current physiology is any indication, these ancient people were typical of Melanesians found along the north side of the island of New Guinea, relatively tall and slender rather than short and stocky like highland people. Little else can be presumed about them. Although we know nothing of the area from which they may have migrated, on the basis of the findings of this study (though not the purpose of this paper) one could make some educated guesses as to their movement since the time Proto Lakes Plain (PLP) was spoken (see Clouse 1993).

3.1 CONSONANT SYSTEM

The Proto Lakes Plain consonants were:

$*p$	$*t$	$*k$
$*b$	$*d$	
$*(w)$	$*(y)$	

The most notable feature of the PLP consonant system is the small number of phonemes, in particular the lack of nasals. In all of the languages studied, nasals (if existing) were non-contrastive with their corresponding voiced stop. This feature of PLP remains in the eastern Tariku languages, where there is a lack of even a phonetic nasal, and in Rasawa, where the nasals are very rare phonetically.

Because of limited data, it is inconclusive at this point, whether a flap $*r$ was really a separate phoneme from $*d$. The flap seems to have occurred exclusively as the second member of a consonant cluster or intervocally but never word-initially. In the modern languages, the flap is not contrastive with d . If it was a separate phoneme, it is likely that its phonemic status weakened as the syllable structure simplified.

The semivowels $*w$ and $*y$ were included in the PLP consonant inventory above, though parenthetically, to reflect the word list transcriptions in Appendix 3, to which many of the references in this paper apply, and to raise the possibility that they existed in PLP. Several phonologies have been done in Lakes Plain languages and in none of them have $*y$ and $*w$ been posited as phonemes nor have they had a bearing on determining the syllable structure. Therefore, in the reflex charts, where the word lists used y and w , $*i$ and $*u$ were reconstructed.

3.2 VOWEL SYSTEM

It was impossible to reconstruct the PLP vowel system by using all of the word lists. Vowels are perhaps the most difficult of sounds to transcribe accurately. The word lists available were transcribed by several different people and since it is more likely that each ear will hear vowels slightly differently, only those lists where a reliable phonological analysis had been done in the language were used. Fortunately, a phonological analysis of some kind has been done in at least one of all the major language groupings (with the exception of the Proto Far West group): PWT, PCT, Duvle and PET (Bateman 1990b, Jenison and Jenison 1991a, Kim and Kim 1995, Kügler 1990, Kügler and Kügler 1990, Martin 1986, McAllister and McAllister 1991, Murdoch n.d.¹, and Munnings 1991a). It was from these phonologies and dictionaries (more expanded than what is seen in Appendix 3) that the reconstruction for PLP and PT vowels was made.

PLP had a five vowel system:

$*i$	$*u$
$*e$	$*o$
$*a$	

In most of the present-day languages the quality of $*e$ and $*o$ are realised as [ɛ] and [ɔ].

3.3 SYLLABLE STRUCTURE AND PHONOTACTICS

The syllable structure of PLP was at least V, CV, and CCV. However, there are closed syllables (or evidence for an underlying closed syllable) in the current languages. Two hypotheses are possible for the existence of closed syllables in the present languages.

The first hypothesis assumes that there were no closed syllables in PLP. Several factors argue for this interpretation:

- (1) Only voiced obstruents close the syllable in the modern languages where there are closed syllables.
- (2) In other contexts, voiced obstruents occur only intervocally.
- (3) It is a universal tendency that if voiced obstruents close a syllable, voiceless ones will too. (This would suggest that a vowel existed after the last voiced obstruent. By the time PT was spoken, this vowel deleted and the obstruent became unreleased.)

A second hypothesis assumes that closed syllables existed in PLP and that the syllable-final consonant was a voiceless obstruent, but in word-final position it became unreleased and voiced by the time PT was spoken. To summarise:

Hypothesis 1: PLP $*tikV > *tigV > \text{PT } *tig'$

Hypothesis 2: PLP $*tik > *tik' > \text{PT } *tig'$

All we can be certain of is that by the time PT was spoken, a word-final voiced and unreleased obstruent existed, producing the syllable types *CVC and *CCVC.

The only other phonotactic constraint in PLP was that the second member of a consonant cluster could only be a flap. It was also likely that the $*k$ became labialised when followed by $*u$ and another vowel; $*kuV > *k'uV$.

3.4 PHONOLOGICAL CHANGES FROM PROTO LAKES PLAIN TO PROTO FAR WEST AND PROTO TARIKU

The most notable changes occurred in Proto Far West. PFW simplified the PLP words in a number of ways. One noticeable change was the deletion of most instances of the word-initial $*ku$ sequence (unless it was the only syllable in the word); PLP $*kubadi > \text{PFW } *poidi$ 'a fly', PLP $*kupade > \text{PFW } *pare$ 'stone' among others. It can be seen that some changes happened before others. One of the first changes to occur was to delete a flap $*r$ between vowels: PLP $*kurire > \text{PFW } *kuie$ 'rain'. After this change, the $*ku$ was deleted and then the intervocalic $*d$ became a new flap $*r$: PLP $*kudaide > \text{PFW } *taio$ 'fire' and PLP $*dia-dau > \text{PFW } *ta-rau$ 'to stand'. The syllable structure was simplified in two ways: by inserting an echo vowel between the consonant cluster; PLP $*pri > \text{PFW } *piri$ 'louse'

and PLP **bri* > PFW **biri* ‘tooth’; and, perhaps earlier than the **ku* deletion, by deleting the final syllable; PLP **kriCV* > PFW **kiri* ‘banana’ and PLP **kuCV* > PFW **ku* ‘tree’. Although the breaking of the consonant cluster was complete in Saponi, there are still consonant clusters in Awera and Rasawa. Compare the word ‘one’ in Ra *krijbi*, Aw *priya*, and Sa *kiripeje*. The phone [s] can be found in the modern Far West languages, though it is the least common phone. Its occurrence today could be a result of borrowing or later sound changes that cannot be confirmed with the data available.

The sound changes in PT were less pronounced but more confusing than those in PFW. Perhaps this is because there are few intermediate protoforms possible to reconstruct between PLP and the modern Far West languages and so the changes seem more dramatic. Similar to the change from PLP to PFW was the weakening of intervocalic **d* to become a flap **r* in PT. However, this happened only within a morpheme in PT. PLP **dia-dau* > *PT *dia-de* ‘to stand’ but PLP **diadi* > PT **diari* ‘cassowary’. The intervocalic flap **r* remained unchanged at this point, PLP **kuria* > PT **kuria* ‘stomach’, but will be seen to drop in later reflexes. These phenomena are a common trend and do not seem to apply at all times. Regrettably, the data is insufficient to determine what specific rules applied in each instance.

The most puzzling change that occurred was the emergence of **s* in PFW and PT. Although the phone [s] occurs in all of the languages, in no instance are there cognates where the reflex **s* is chosen for all of the languages; **t* is always chosen as the reflex in one or more of the languages, but not consistently in the same languages. In the modern Lakes Plain languages [s] can occur with any vowel, but the Lakes Plain languages in the Wapoga headwaters area (Deirate, Weirate, Faia, Sehudate), the sequence [si] does not occur. In addition, with the exception of one word, the sequence [tiV] does not exist in the Far West or central and western Tariku languages and in the eastern Tariku languages it is exceedingly rare. This evidence prevents the positing of **s* in PFW and PT, although it is evident that its status as a full phoneme is becoming more certain.

CHART 1: PFW AND PT REFLEXES

PLP	PFW	PT
* <i>p</i>	* <i>p</i>	* <i>p</i>
V * <i>pV</i>	* <i>p</i>	* <i>ɸ</i>
* <i>k</i>	* <i>k</i>	* <i>k</i>
* <i>b</i>	* <i>b</i>	* <i>b</i>
* <i>t</i>	* <i>t</i>	* <i>t</i>
* <i>d</i>	* <i>d</i>	* <i>d</i>
V * <i>dV</i>	* <i>r</i>	* <i>r</i>
V * <i>rV</i>	* <i>∅</i>	* <i>r</i>
* <i>a</i>	* <i>a</i>	* <i>a</i>
* <i>e</i>	* <i>e</i>	* <i>e</i>
* <i>i</i>	* <i>i</i>	* <i>i</i>
* <i>o</i>	* <i>o</i>	* <i>o</i>
* <i>u</i>	* <i>u</i>	* <i>u</i>

4. PROTO FAR WEST

Proto Far West has been reconstructed from only three languages which together do not share a large number of cognates, though there are other language groups in the area that have not been contacted or documented which may be related. Because there are so few languages from which to draw data (and the only data that do exist are word lists) it is difficult to tell when PFW was spoken. If the rate of language deterioration was the same for all of these languages, then it would have been spoken about the same time as PWT, PCT and PET. The only things readily apparent are that the divergence of PFW from PLP was at an earlier stage than when PT diverged into PWT, PCT, Duvle and PET, and that, based on lexicostatistics, and to a lesser degree on sound changes, PFW is clearly distinct from PT.

4.1 CONSONANT SYSTEM

The PFW consonant system was:

$*p$	$*t$	$*k$
$*b$	$*d$	

This system is similar to PLP except that the $*d$ has become a flap $*ɾ$ intervocally in nearly all cases. Nasals continue to be missing. In Rasawa they are found almost exclusively in the adjectival suffix *-nu/no*. Since this suffix in most of the other Lakes Plain languages is *-e*, *-we*, and *-be/bi*, it is possible that the *-nu/no* suffix was borrowed in Rasawa. What is more, in Awera and Saponi, though the nasals are frequent, there is no contrast between the nasals and their corresponding voiced stops.

4.2 VOWEL SYSTEM

Until more reliable data is available, as discussed in §3.2, reconstructing the PFW vowel system is nearly impossible.

4.3 SYLLABLE STRUCTURE AND PHONOTACTICS

The syllable structure of PLP began to simplify in the PFW languages. In Saponi the change is complete and now only the syllables V and CV exist; with an echo vowel inserted between the previous CC. This change appears to still be in process in Rasawa and Awera: Sa *kiripeje*, Ra *krijbi*, Aw *priya* ‘one’; Sa *niriwa*, Ra *drijə* ‘three’; Sa *taraū*, Aw *träfi* ‘to stand’. In those languages where the initial consonant cluster occurs, the second member of the cluster is always a flap $*ɾ$.

4.4 PHONOLOGICAL CHANGES FROM PFW TO AWERA, SAPONI AND RASAWA

Although the lexicostatistical cognates percentage is lowest between Saponi and Awera (29 per cent) these show the greatest similarity in sound changes from PFW.

The numbers given after the reflexes refer to the numbered words in the word lists in Appendix 3. It is from these words that my conclusions were drawn.

CHART 2: PFW-TO-LANGUAGES REFLEXES

PW	Sa	Ra	Aw	Ref.
*#p	#p~f	#p	#p	106, 188, 84, 88
*#p	#Ø			138, 164
V *pV	p~f	ɸ	p	56
*#k	k	k	k	108, 118
V *kV	g~y	x~k	y	164, 168, 171, 177
*#bV	#β~mV [+lo]	#b~mV [+lo]	#β~mV [-hi]	161, 162, 16, 58
*VbV	w	β	β~w	168, 178, 21
*#t	#t	#t	#t~r~n	20, 37
*tV	sV	sV	sV	186, 199
*#d	#n	#d	#n	46, 29, 140, 151
*V*dV	r	r	r~Ø	187, 188
*ie/*Vdie	je/rε	iyε/βie	iyε/βe	30, 13, 35, 43

As stated earlier, the exact nature of the emergence of [s] in the Far West languages remains a mystery. Its occurrence is rare in all the languages and its distribution is limited. Although there exist examples of tV₁... and sV₁... in all the languages, there are no contrasts between tV₁ and sV₁.

Another innovation is the appearance of the affricate j in Saponi. This occurs only in a final suffix. Considering the absence of *tV in PFW and its resulting form, the absence of the sequence *VdiV from Saponi also is not surprising. Since these sequences result in [s] and [j] in other Lakes Plain languages, it could have happened in Saponi. However, because the sequence VriV exists in Saponi, the palatalisation of *d would have to have occurred before the flapping of intervocalic *d. Another possible source is the sequence iyV:

Saponi	Rasawa	
ne-ie	de-ye	water (Ref. 29)
Ø-εrε-je	de-keri-ye	lake (Ref. 30)

A final possibility is that Saponi [j] was formed from more than one source.

5. PROTO TARIKU

PT was more conservative phonologically than PFW. The phonemic inventory and the syllable structure and phonotactics were nearly identical to PLP. This suggests that when the PFW group and PT group diverged, the PT people remained linguistically homogeneous and conservative for a few centuries.

The only possible change in the syllable structure is the introduction of closed syllables via the deletion of a final vowel (quality unknown) producing a word-final unreleased voiced obstruent and the additional syllable patterns *CVC and *CCVC. Irrefutable evidence for this vowel is hard to reconstruct from the present-day languages. The possibility was discussed in §4.3 that closed syllables could have been present in PLP, in which case there would be no difference between PLP and PT.

5.1 PHONOLOGICAL CHANGES FROM PT TO PWT, PCT AND PET

In the consonant system, the most pronounced change came in PCT, perhaps because this group diverged from PWT and PET earlier than these did from each other. PT **ku* became **b* in PCT; PT **kure* > PCT **be* 'fire'; PT **kuari* > PCT **ba* 'mouth'; PT **kuri* > PCT **bi* 'rain'; PT **kuaukari* > PCT **baukai* 'chin'. In these examples, there is also an intervocalic flap **r* deletion reflex in PCT, which precedes the **ku* > **b* reflex. This sound change is nearly complete in PCT. In the other PT languages there is evidence for the intervocalic flap **r* deletion, but also for its creation. When an epenthetic or echo vowel is inserted between Cr sequences, the result is an intervocalic flap **r*: CVrV. It is likely that, in time, this flap will delete as it has in PC: PT **tre* > PWT **tre*, PET **tre*, PCT **tere* > **tee* > Ia te 'mosquito'.

In the vowel system, two extra high vowels were created in PWT and PCT when the final consonant in closed syllables merged with the preceding vowel. This process in Kirikiri and other Lakes Plain languages is discussed in fuller detail in Clouse and Clouse (1993).

CHART 3: PROTO TARIKU REFLEXES

PT	PWT	PCT	PET	Ref.
* <i>p</i>	* <i>ɸ</i>	* <i>ɸ</i>	* <i>p</i>	15, 52
* <i>t</i>	* <i>t</i>	* <i>t</i>	* <i>t</i>	20, 17
* <i>ti</i> V	* <i>ti</i> V	* <i>s</i> V~ <i>ti</i> V	* <i>s</i> V~ <i>ti</i> V	73, 215, 216
* <i>b</i>	* <i>b</i>	* <i>b</i>	* <i>b</i>	213, 6
* <i>d</i>	* <i>d</i>	* <i>d</i>	* <i>d</i>	151, 179, 101
V*dV	* <i>d</i>	* <i>f</i> ~* <i>d</i>	* <i>d</i>	159, 171, 177
V*fV	* <i>f</i> ~Ø	*Ø~ <i>r</i>	* <i>r</i> ~Ø	37, 213, 214, 223
* <i>ku</i>	* <i>ku</i>	* <i>b</i>	* <i>ku</i>	5, 37, 88, 54, 95
* <i>k</i>	* <i>k</i> ~Ø	Ø~* <i>k</i>	* <i>k</i>	190, 162, 233, 83
* <i>iC</i>	* <i>i</i> ^	* <i>i</i> ^	* <i>iC</i>	217, 78, 215
* <i>uC</i>	* <i>u</i> ^	* <i>u</i> ^	* <i>uC</i>	216, 20
* <i>a</i>	* <i>a</i>	* <i>a</i>	* <i>a</i>	214, 52
* <i>e</i>	* <i>e</i>	* <i>e</i>	* <i>e</i>	107, 88
* <i>i</i>	* <i>i</i>	* <i>i</i>	* <i>i</i>	59, 118, 215
* <i>o</i>	* <i>o</i>	* <i>o</i>	* <i>o</i>	73, 213
* <i>u</i>	* <i>u</i>	* <i>u</i>	* <i>u</i>	101, 83

6. THE DUVLE ISOLATE

There is very limited data on the phonology of Duvle. What is available is in the form of a summary, which does not include examples. There are several features in the limited data, though, that make it an obvious Lakes Plain language. However, there are other features which are very uncharacteristic of Lakes Plain languages. In view of additional lexicostatistical and grammatical evidence (Murdoch n.d.²), it seems apparent that Duvle is more distantly related to the other Lakes Plain languages than any of those languages are to one another. It is possible that the Duvle language was the first to diverge from PT, or even predated PT.

Duvle is identical to PLP in regard to syllable patterns with V, CV and CCV. Additionally, the vowel in each of these patterns can have an offglide. Phonotactically, Duvle is much more complicated than PLP. The second member of a consonant cluster can be a retroflexed flap following /p/, /k/, /b/, /f/, and /v/ or can be a /y/ following all non-back consonants. Consonant clusters with /y/ can also be found in some East Tariku languages, as will be demonstrated later. Whereas this cluster (Cy) is limited to co-occur with the phonemes /s/, /p/ and /k/ in Sikaritai and /s/ and /p/ in Waritai, it has a greater distribution than the retroflexed flap in this position in Duvle.

6.1 CONSONANT SYSTEM

Unique to Duvle is a relatively large number of consonant phonemes. Besides the five found in PLP are the additions of /y/, /f/, /s/, /v/, and /z/. It is most interesting that all of these additions are fricatives (although /y/ fluctuates with /g/ word-initially) and that there are no nasals. Murdoch (n.d.¹) states that there is a lack of nasals in any environment. This lack of even phonetic nasals can be seen in some East Tariku languages as well.

A question arises how these extra consonants came to be, if in fact Duvle descended genetically from a five-consonant PLP. It was seen in the Far West languages, and will be seen in the other languages below, that some consonant innovations stem from the merging of a consonant, usually an alveolar, with a high front vowel to produce an affricate. That this consonant/high vowel coalescence is a possibility for the extra Duvle consonants is more convincing when we see that Duvle has two high front vowels, /i/ and /u/, but the /i/ "has a far greater occurrence than the /u/" (Murdoch n.d.¹). It could be that many of the /i/s are underlying (historically) in the fricative consonants. Further evidence is that there are no examples of the sequence obstruent C/i/V in the Duvle data. The combinations *bra*, *pia*, and *dia* do exist, however. This could be evidence that { v, f, z, y } +V is underlyingly *{ b, p, d, k } +*i+*V. In searching the word lists, coming up with clear cognates is difficult. In fact, the situation becomes more confusing as the fricatives could be coming from a variety of sources. It will be clearly demonstrated that PT **kwr* and **kw* become **wr* and **w* in PCT (with **w* further reducing to *b* in the modern languages) and **kr* and **kw* in PWT. In Duvle this seems to have become *fr* and *f* respectively: Du *fræ*, Wa *kwre*, Ia *be*, Do *kei^h* 'thorn' and Du *færi*, Ki *kwa*, Ed *bai*, Ia *ba* 'come'. Duvle *v* may have come from a similar source: Du *ævisa*, Do *ebisa* 'egg'; Du *ovei*, Do *wei* 'ear'; Du *væire*, Ia *bai^h* 'sun'; and Du *vada*, Ia *ba* 'shoot'. However, with a flap it seems to have been derived from PT **p*: Du *vræ*, and Do *pri* and Wa *ɸri* 'spit'. The Duvle fricative *z* is even more mysterious. Both PT **t* and **d* are good candidates for its source: Du *zæri*, Do *deri* 'tongue', Du *zo*, Do *do* 'sand', and Du *ziri*, Ka *təhei* Er *tei* 'child'. There were not enough cognates with Duvle *y* to show any possible source.

6.2 VOWEL SYSTEM

Whereas Duvle resembles the East Tariku languages in its consonants and consonant cluster, it resembles the central and western Tariku languages in its vowels. In addition to the five PLP vowels, there are two more high vowels, one front and unrounded and one back and rounded ("slightly fronted and lower than /u/" according to Murdoch n.d.¹).

The Duvle vowel system is:

<i>i</i>	<i>u</i>
<i>I</i>	<i>ø</i>
<i>e</i>	<i>o</i>
<i>a</i>	

The innovation of the two extra vowels found in central and western Tariku languages stems from a coalescence of a high vowel with a consonant which closes a syllable (see below). As we have seen, this same kind of process may have produced extra fricative consonants in Duvle. One answer to the dilemma of the extra vowels and consonants in Duvle is that the processes seen in Duvle consonants and central/western Tariku vowels may both be at work, with one process feeding the other.

We will see that in Elopi the emergence of /j/ is a result of the extra high /i^ʌ/ . For this process to occur the /i^ʌ/ had to occur first from the coalescence /i/ and a syllable-closing consonant. I propose that perhaps the process emerging in Elopi is merely further along in Duvle than in any of the other Tariku languages. The process just described could be represented in the following way: *iC > *i^ʌ > (C)*i^ʌV> /extra fricative C/. In other words, the /i/ in a closed syllable coalesces with the following consonant producing an extra high /i^ʌ/ . Later the /i^ʌ/ , if followed by a vowel, coalesces further with the preceding consonant, producing a fricative consonant. This process might also explain why /i/ (/i^ʌ?/) is so uncommon in Duvle.

To be sure, more data is needed from Duvle so that more cognates can be found, perhaps proving or disproving the hypotheses suggested above. This data would take us a long way to understanding how Duvle became so different from its sister languages. At this point it is sufficient to say that Duvle is genetically related to the Lakes Plain languages, but its exact relationship is still undetermined. Lexicostatistically it seems more related to the East Tariku languages, but the extent to which it has progressed (or digressed) from PT is similar to the Central Tariku languages. For example, whereas the Duvle phonology innovated four extra fricative consonants, Iau innovated four extra tone contrasts. It is for all of these reasons I have suggested that Duvle be considered a family-level isolate.

7. PROTO EAST TARIKU

Although PET was not the most conservative of the PT languages in word innovations, it was the most conservative in phonological innovations: the phonemic inventory and the syllable structure and phonotactics. One minor difference is that PT *tiV is retained in a very few instances in east Tariku languages (on numbers), except in Sikaritai where it has been completely replaced by sV.

The two languages furthest to the east (Sikaritai and Waritai) also show some unusual initial consonant clusters. Besides the cluster C_t, there are:

Sikaritai	Waritai	Ref. no.
<i>sg</i>	<i>sg</i>	34, 87, 129
<i>kg</i>		43, 44
<i>pg</i>	<i>pg</i>	19, 142
<i>ts</i>		143

Martin (1991) claims that in Sikaritai the *g* in each of these cases is phonetically *ɣ* and is underlying **ik*, (though he does not state why he chose the vowel *i*), thereby maintaining that only flap [ɾ] can be the second member of a consonant cluster. There is some evidence that a vowel did precede the **k*: Si *k'yg'*, Ob *kekaig'*, Do and Wa *kεki* 'one'. The one occurrence of *tš* is cognate with the Obokuitai and Eritai sequences *tis*.

A change that does not seem to be taking place in east Tariku languages is the deletion of intervocalic flap [ɾ]. Although there are a few instances of it in Doutai and Waritai, this deletion is far less common than in either West Tariku or Central Tariku languages.

The question arises, did PET diverge from PT later than PWT because it was phonologically more conservative or did PWT diverge later, because there are, lexicostatistically, more word cognates with PT? More research into grammatical typology may shed some light on the subject.

7.1 PHONOLOGICAL CHANGES FROM PET TO INDIVIDUAL LANGUAGES

As stated earlier, the PET languages are most like PT in terms of phonology. The merging of the syllable-final consonant with the preceding vowel is evident in all the languages producing fricated vowels. However, Obokuitai and Sikaritai have retained the syllable-final consonants but as voiced and unreleased. In addition, the fricative [s], most likely derived from an earlier **ti*, has received full phonemic status. There is some evidence as well that this is continuing to change toward [h]. The affricate [ʃ] is coming into prominence from the sequence *d + i* and/or from the following sequence: fricated vowel (created at the loss of syllable closure) or high vowel in a closed syllable, this followed by a non-extra-high vowel. This conclusion is drawn from the absence of **dV* and **tiV* in these languages and cognates like the following.

Sikaritai	Obokuitai	Kai	Biri	
<i>ig'ju-a</i>	<i>ig'je-kwa</i>	<i>i^ja-wa</i>	<i>i^a-ka</i>	tie
<i>beju-a</i>	<i>badub'-kwa</i>	<i>baru-wa</i>	<i>badi</i>	see
Sikaritai	Obokuitai	Kai	Doutai	
<i>kug'je-wa</i>	<i>sudo-kwa</i>	<i>ku^ju-wa</i>	<i>sudu-wa</i>	thunder
<i>ig'jekig'</i>	<i>sukwig'</i>	<i>i^jeki^je-wa</i>	<i>su^jaki^</i>	night
<i>a-ɸed</i>	<i>a-sai</i>	<i>a-hai</i>	<i>a-sudo</i>	skin
<i>asito</i>	<i>ahigeig'</i>	<i>atahai</i>	<i>aiahi</i>	near

Like all Lakes Plain languages, the eastern Tariku languages lack phonemic nasals. In all of the other languages, the phonetic nasals that do exist do not contrast with their voiced-stop counterpart. A phenomenon is found in these eastern languages, as well as in Duvle, which is most unusual: the lack of even phonetic nasals. A more detailed discussion of this phenomenon is given in Clouse and Clouse (1993). A final point of interest is that where in the West and Central Tariku languages the nasal *m* and *n* are only morpheme initial and fluctuate with *b* and *d* (usually before low vowels), in the East Tariku language of Doutai, *b* and *d* word-initially are, according to McAllister (1991), implosive.

CHART 4: PROTO EAST TARIKU REFLEXES

PET	Do	Wa	Ka	Bi	Ob	Er	Si	Ref.
* <i>p</i>	<i>p~φ</i>	<i>p~φ</i>	<i>φ</i>	<i>h~φ</i>	<i>φ~h</i>	<i>p~h</i>	<i>p~h</i>	52, 71
* <i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	<i>t</i>	20, 117, 140
* <i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	<i>s</i>	73, 76
* <i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	<i>b</i>	16, 115
* <i>b#</i>	<i>Ø#</i>	<i>Ø#</i>	<i>Ø#</i>	<i>Ø#</i>	<i>b~#</i>	<i>Ø#</i>	<i>b~Ø#</i>	13, 20
* <i>d</i>	<i>d</i>	<i>d~t</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	<i>d</i>	125, 151
* <i>dV</i>	<i>jV</i> ²²	<i>di</i>	<i>di</i>	<i>di</i>	<i>di</i>	<i>j</i>	<i>j</i>	127, 163
* <i>i^V</i>	<i>i^j</i>	<i>i^jV</i>	<i>i^jV</i>	<i>i^jV</i>	<i>i^jV</i>	<i>i^jV</i>	<i>i^jV</i>	95, 75, 62
* <i>f</i>	<i>Ø</i>	<i>Ø</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	37, 88
*C _r	C _r	C _r	C _r	C	C _r	C _r	C _r	12, 42, 52, 119
*ku	ku	ku	ku	b	ku	ku	ku	41
*kV [^]	kV [^]	kV [^]	kV [^]	V [^]	kV [^]	kV [^]	kV [^]	40, 83, 97
*C#	<i>Ø#</i>	<i>Ø#</i>	<i>Ø#</i>	<i>Ø#</i>	<i>g~#</i>	<i>d#</i>	<i>d/g#</i>	23
*iC	<i>i^</i>	<i>i^</i>	<i>i^</i>	<i>i^</i>	iC	iC~i	iC	23, 41, 97
*uC	<i>u^</i>	<i>u^</i>	<i>u^</i>	<i>u^</i>	uC	uC	uC	125
*a	a	a	a	a	a	a	a	52
*e	ε	ε	ε	ε	ε	ε	ε	88
*i	i	i	i	i	i	i	i	41, 45, 119
*o	o	o	o	o	o	o	o	76
*u	u	u	u	u	u	u	u	83, 101

8. PROTO WEST TARIKU

With regard to the PT daughter protolanguages, PWT was the least innovative lexicostatistically. The PWT consonant system was identical to PT, except that the voiceless bilabial consonant underwent lenition in all positions and two extra vowels were created as a result of a syllable-closing consonant merging with the preceding vowel:

	<i>*t</i>	<i>*k</i>	<i>*i^</i>	<i>*u^</i>
* <i>b</i>	<i>*d</i>		<i>*i</i>	<i>*u</i>
* <i>φ</i>			<i>*ε</i>	<i>*ɔ</i>

**a*

In addition, PWT **tiV* became [sV] and intervocalic flap **r* (that is, intervocalic /*d*/ within a morpheme) began to delete. A major change that did occur in PWT was in the syllable structure and vowel system.

² McAllister (1991) claims *jV* exists in Doutai although no example is seen in the word lists in Appendix 3.

8.1 SYLLABLE STRUCTURE AND VOWEL SYSTEM

When PWT diverged from PT the syllable structure simplified, resulting in only V, CV and CCV. The final consonant in syllables that became closed, as a result of a final vowel deleting, merged with the preceding vowel. This affected only the preceding high vowels. These high vowels, **i* and **u*, became higher, fronted, and constricted or fricated and two extra contrasting vowels were created. However, the resulting seven-vowel contrast applies, in Kirikiri at least, mostly to single vowels. The seven vowels contrast in some VV sequences but not all (Clouse and Clouse 1993).

Kaye (1989:56-57) states in effect that it is so far unattested for a language without closed syllables to have consonant clusters (he calls this a “001” or “011” language). However, we can see from some Lakes Plain data that such languages do exist. It should be noted, though, that Kaye’s statement seems to be coming true for West Tariku (and other Lakes Plain) languages, for the CCV syllable type is in the process of simplifying further by inserting an epenthetic or echo vowel unconditionally between the consonant cluster, leaving us with “000” or “010” languages. (However, Kaye also states that “010” languages are unattested.) If this process continues as it has in Central Tariku languages, the resulting intervocalic flap **r* will eventually delete and the resulting VV sequence will assimilate. This process may be the cause of Iau’s (a Central Tariku language) reported eight tonal contrasts where most of the other Tariku languages have only four contrasts.

8.2 PHONOLOGICAL CHANGES FROM PWT TO KIRIKIRI, FAYU AND TAUSE

Proto West Tariku produced three daughter languages, each with two or three dialects. I will call these three languages Kirikiri (with Faia dialect 89% cognate), Fayu (with Sehudate dialect 81% cognate) and Tause (with Weirate dialect 78% cognate and Deirate dialect 77% cognate). It is worth mentioning that the three languages mentioned have, until four years ago, had very little if any contact with their related dialects. In 1990, for instance, the Kirikiri did not know the Faia existed. This was undoubtedly due to the mountain range and no-man’s-land that separated those living in the west Tariku River watershed from those in the Wapoga River watershed. It is not surprising then that we find reflexes shared by the dialects in the Wapoga watershed that are not shared by their corresponding sister dialects in the Tariku watershed.

The most notable features of these three languages are (1) the emergence of nasals word- or morpheme-initial, (2) the creation of [s] from **ti*, (3) the creation of [j] from **di*, and (4) the further simplification of syllable structure to V and CV only (though the processes in (3) and (4) are not complete).

I will refrain from listing the vowel reflexes. Having worked extensively on the Kirikiri vowel system, it seems clear to me that the reliability of the Fayu and Tause word lists in Appendix 3, which were taken before a complete phonological analysis was done, is questionable. Personal investigation of Fayu reveals a vowel system similar to Kirikiri, which is the same as the PWT vowel system.

CHART 5: WEST TARIKU REFLEXES

PWT	Ki	Fa	Fy	Se	Ta	We	De	Ref.
*p	ɸ~h	ɸ~h	ɸ~h	ɸ~h	ɸ	ɸ~h	ɸ~h	117, 119
*t	t	t	t	t	t	t	t	20, 140
*k	k	k	k~g	k	k	k	k	78, 88
Intervocalic *k became k~x~g~y in all languages								10, 80
*#b	b~mb	b	b~mb	b~mb	b~mb	b	b~mb	78, 162
*ba	#ma	#ma	#ma	#ma	#ma	#ma	#ma	43
Intervocalic *b became b~β in all languages								62, 108, 116
*d	d~nd	d	d~nd	d	d~nd	d	d	29, 151
*#da	#na	#na	#na	#na	#da	#da	#da	108, 47, 48
V*dV	r~l~Ø	r~Ø	r~Ø	r~Ø	r~Ø	r~l~Ø	r~l~Ø	105, 2, 77
*diV	diV	diV	jV	jV	yV	jV	jV	9, 105
*tiV	sV	sV	sV	sV	sV	sV	sV	215, 73

As stated earlier, how the [s] emerged in these languages is uncertain. The only thing clear is that in most of the languages the sequence *tiV* does not exist but in the Wapoga watershed dialects the sequence *si* does not exist either. Other possible changes are a consonant (flap **r* or **k* or both) deleting intervocally in the sequence **tiCV* (there is plenty of evidence of this happening in other contexts), and the resulting **tiV* becoming *sV*. Although, in other instances it looks as though the *CV or *iC in the **tiCV* sequences were deleted. Perhaps all of these processes happened to some degree or another at different times, feeding or bleeding the change conditions. Other than that, with the data available, it appears that the [s] in the west Tariku languages emerged randomly. This is doubtful, but more accurate data will be needed to find the answer.

9. PROTO CENTRAL TARIKU

PCT shows a greater number of sound changes from PT than either PET or PWT. This argues for an earlier divergence from PT than PET and PWT. Most of the sound changes that can be seen taking place in PET and PWT seem to have carried through to the greatest extent in the PCT languages. This is especially true for dropping consonants and syllables. This has produced in the modern languages an overwhelming percentage of monosyllabic words and many more contrastive tone patterns compared to modern east and west Tariku languages.

9.1 CENTRAL TARIKU PHONOLOGY

The PCT consonant and vowel systems are similar to those found in PET and PWT, including the two extra high vowels from the merging of a high vowel and a syllable-final consonant and the emergence of *s from the PT sequence **ti*.

	*t	*k	*i^	*^u
*b	*d		*i	*u
*ɸ/h	*s		*ɛ	ɔ*

*a

However, lexicostatistically, the Central Tariku languages share fewer cognates with East and West Tariku than East and West Tariku do with each other, also suggesting an earlier divergence.

Phonetic nasals have come into use in the modern Central Tariku languages. The nasal *m* is present morpheme-initially as a variant of *b* in both languages studied. The nasal *n*, is present in Edopi as a morpheme-initial variant of *d*, and in Iau as a variant of *l* in this position. Edopi is also developing the affricate *j* from the sequence *di* and/or from the extra high vowel *i^h* (giving credence to the idea that the vowel is a result of the merging of a final consonant in a closed syllable with the preceding vowel).

PCT has simplified the syllable structure of PT to V, CV and CVC (very rare). An echo vowel was inserted between the PT *C sequence: PT **kri* > PCT **kiri* > Ed *kiri* ‘banana’. In modern Iau a further simplification occurred where the resulting intervocalic **r* was deleted and the identical vowels assimilated: PCT **biri* > **bii* > Ia *bi* ‘teeth’; PCT **ɸεrε* > **ɸεε* > Ia *ɸæ* ‘eye’.

9.2 PHONOLOGICAL CHANGES FROM PCT TO EDOPI AND IAU

Edopi was phonologically more conservative than Iau in regard to sound changes. Edopi further simplified the syllable structure by deleting the syllable-final consonant (in Iau it is very rare), whereas Iau deleted all occurrences of flap **r*. Iau also deleted word-initial **k* and many final syllables on words. The result was a language of mostly monosyllabic words with combined tone patterns.

CHART 6: CENTRAL TARIKU REFLEXES

PCT	Ed	Ia	Ref.
*C#	Ø#	C# (rare)	217, 245
*CV#	CV#	Ø	57, 108, 156
*ϕ	h	ϕ~h	4, 214, 244
*b	b	b	213
*#b	#m~b	#m~b	69, 72, 99, 111, 158
*d	d	d	151, 57
*#da	#da~na~la	#da~la~na	108, 236, 60, 65, 66
*di	j	di	172
V* <i>r</i> V	r	Ø	8, 9, 16, 18, 29
*t	t	t	20, 217
*s	s~t	s	149, 216, 228
*k	k	k	95
*#k	#Ø	#Ø	10, 19, 52, 180
*au	au	ɔ	62, 149
*i ^h	ji ^h	i ^h	148, 159
*u ^h	u ^h ³	u ^h	

³

Although there are no phonemes marked *u^h* in the word lists in Appendix 3, both Kim and Kim (1991) and Bateman (1990b) make a three-way phonemic distinction in the back rounded vowels.

PCT	Ed	Ia	Ref.
*i	i	i	151
*u	u	u	83
*e	e	ɛ	3, 152
*o	ɔ	ɔ	33
*a	a	a	17, 150

10. GRAMMATICAL TYPOLOGY

Although the grammatical data is growing, it is not sufficient to propose genetic relationships. Because this paper mainly concerns reclassifying these languages and since there are good reasons to do so on lexicostatistical and phonological grounds alone, a complete picture of the grammatical typology of the Lakes Plain languages will wait for a later date. What is immediately obvious is that all Lakes Plain languages are verb-final non-Austronesian languages. Also, a typological feature of all Lakes Plain languages is a relatively small amount of verbal affixation (isolating). This is in contrast to what is typical of agglutinative languages of the Trans New Guinea Phylum.

It is also possible that a fair amount of borrowing of pronouns occurred among the languages in the Geelvink Bay Phylum. The blanks in the chart below are a result of lack of data, not necessarily indicating that the particular pronoun does not exist. Three dashes indicate that the pronoun does not in fact exist, but is made by using the vernacular word for 'people'.

CHART 7: LAKES PLAIN PRONOUNS

	1SG	2SG	3SG	1PL	2PL	3PL
Sa	<i>mamire</i>	<i>ba</i>	<i>ki</i>	<i>mamire</i>		<i>niaware</i>
Ra	<i>ebe</i>	<i>debe</i>	<i>kibie</i>	<i>duobi</i>		<i>kioio</i>
Aw	<i>yai</i>	<i>nai</i>	<i>ku</i>	<i>e</i>		<i>koro</i>
We	<i>di</i>	<i>ba</i>	<i>we</i>	<i>ai</i>		---
Ta	<i>di</i>	<i>ba</i>	<i>te</i>			---
Fy	<i>a</i>	<i>de</i>		<i>e/i</i>		---
Fa	<i>ɛ</i>	<i>di</i>				---
Ki	<i>a</i>	<i>de</i>	<i>o</i>	<i>ɛ</i>	<i>da</i>	---
Ed	<i>a</i>	<i>di</i>	<i>o</i>	<i>e</i>		---
Ia	<i>a</i>	<i>di</i>	<i>au</i>	<i>e</i>	<i>da</i>	---
Du	<i>ɛ</i>	<i>do</i>	<i>o</i>	<i>a</i>	<i>da</i>	---
Do	<i>i</i>			<i>a</i>		---
Bi	<i>e</i>	<i>de</i>	<i>de</i>	<i>ai</i>		---
Ob	<i>i</i>	<i>di</i>	<i>oi</i>	<i>ai</i>	<i>dai</i>	---
Si		<i>di</i>	<i>ba</i>			---
Bz	<i>e</i>	<i>o</i>	<i>a</i>	<i>i</i>	<i>u</i>	---

11. TONE TYPOLOGY

Tone is a prominent feature of all Lakes Plain languages and therefore was most likely a feature of some of the protolanguages as well. This fact further distances Lakes Plain languages from the Trans New Guinea Phylum. All the modern languages have at least high and low tone. Duvle and Sikaritai have only these tones with Martin (1991) analysing the Sikaritai system as pitch-accent. The remainder of the languages also have combinations of high and low (or contours); Obokuitai has a fall (Jenison 1991), Doutai (McAllister 1991), Edopi (Kim 1995) and all the western Tariku languages have a fall and a rise (Clouse n.d.¹). Iau (Bateman 1990b, Edmonson et al. 1992) claims eight contrastive tones including several rises and falls. Having compared Iau words with cognates in other related languages, it was suggested earlier that many of the complex tone patterns occur because Iau has, historically, deleted consonant and vowel segments of a syllable in the protolanguage but not the tone segments, therefore producing more than one tone pattern on a syllable. It is significant to note that of the eight tones in Iau, four are short and correspond to the four tones found in the other Lakes Plain languages, and the other four are nearly twice as long and occur on long (perhaps geminate?) vowels. They often correspond to cognate two-syllable words in other Lakes Plain languages.

12. PROTO AUSTRONESIAN INFLUENCE

There are several PLP words and many more words in these languages that have striking similarities to Proto Austronesian and Proto Oceanic. Although only a few forms are listed below, someone with more expertise in the field of Austronesian reconstruction could undoubtedly find more. Most of the similarities listed are monosyllabic words (in PLP). Since the Lakes Plain languages have a high percentage of one- and two-syllable words and a very low number of phonemes, the chance for coincidental similarity is high. If these words are in fact borrowings, the question arises why such seemingly core vocabulary would be borrowed.

The following POc-Gr and PAn-D reconstructions were taken from the Wurm and Wilson (1975) *English finderlist of reconstructions in Austronesian languages*.

CHART 8: POSSIBLE AUSTRONESIAN INFLUENCE

PLP	POc-Gr	PAn-D	
*du	*manu	*manuk	bird
*tou	*t'ut'u	*tutu	breast
*dati	*mata	*mata	eye
*pada	*panua	*panu[v]a'	earth
*tuC	*uti(n)	*bu(t)uh	penis
*tau	*tau	*[t]avu[']	person
*ku	*kau	*kaju'	tree
*ti	*tiRi.	*i'ë[h]	urine
PET	POc-GR	PAn-D	
*wari	*wai(R)	[dd]anum	water
	POc-BLAA		
*bo	*mpo mpo	-----	firewood bundle

13. TOWARD A CLASSIFICATION OF THE LAKES PLAIN LANGUAGES

It is clear from the data presented so far, by means of historical reconstruction, that the languages discussed are related to each other, both in terms of phonology and lexicostastically. How these languages are genetically related to each other has also been shown. Now I attempt to place these languages genetically in the context of a Phylum, that is, to non-Lakes Plain languages. The introduction stated that most of the Lakes Plain languages were classified in Voorhoeve (1975) and Silzer and Clouse (1991) as belonging to the Trans New Guinea Phylum, Tor–Lakes Plain Stock. Therefore, a comparison was made of the major languages bordering the Lakes Plain (Geelvink Bay Phylum languages Bauzi and Demisa to the north and the Trans New Guinea Phylum language Dani to the south), languages in the Tor–Lakes Plain Stock (Berik and Orya) and a language in the far eastern part of the Lakes Plain (Kaure). The percentage matrix and tree diagrams below are based on lexicostatistic similarity (obtained by the computer program LEXISTAT version 2.1 by Thilo C. Schadeberg) with a margin of error of five per cent. The lexicostatistical similarity generated by LEXISTAT is derived from my own decisions listed in Appendix 4.

LEXICOSTATISTIC PERCENTAGE MATRIX

Sa	Rasawa – Saponi			Rasawa			
-- Ra	Family			Stock			
Ra	47	-- Aw	Awera Family Isolate			Lakes	Geelvink
Aw	29	34	--	We		Plain	Bay
We	18	19	14	-- De	Tause Family	Superstock	Phylum
De	16	18	14	78	-- Ta	Tariku	
Ta	16	18	13	78	7	--	Trans
Se	16	15	15	39	39	45	New
Fy	18	17	17	33	34	39	Guinea
Fa	15	19	17	37	36	41	Phylum
Ki	13	13	15	39	33	33	?
Ed	10	9	8	34	29	32	East
Ia	11	10	9	34	9	30	Geelv.
Du	9	9	10	25	20	22	Bay
Do	11	11	10	32	27	26	Stock
Wa	12	13	10	33	28	28	Tor
Ka	12	11	8	30	27	25	Stock
Bi	13	12	10	33	29	26	
Ob	10	10	8	31	27	25	
Er	12	12	10	29	26	24	
Si	11	14	12	29	25	24	
Bz	5	4	5	10	8	10	
Ds	8	5	2	9	7	8	
Kr	3	2	2	7	7	7	
Bk	1	1	0	3	2	2	
Or	1	0	1	1	2	1	
Dn	0	1	0	2	1	1	

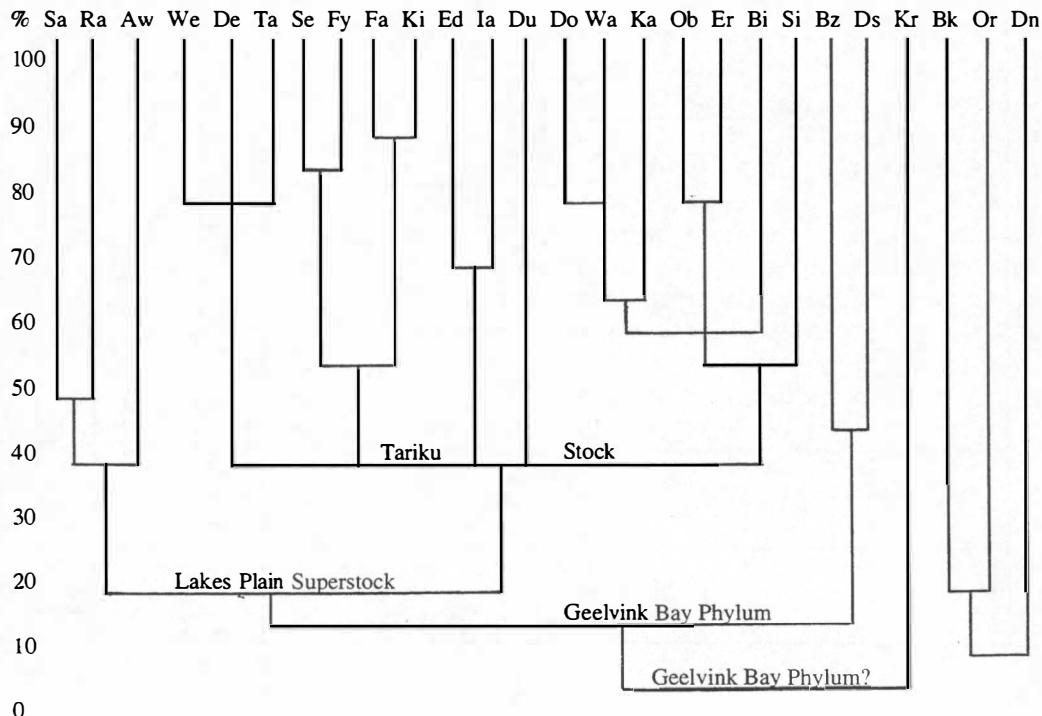
The criteria used in the classification given in the chart above are based mostly on those used for subgroupings in Voorhoeve (1975:16) with some modifications.

- 100% – 76% of shared cognates: dialects of one language
- 75% – 40% of shared cognates: languages of the same family
- 39% – 20% of shared cognates: languages of the same stock
- 19% – 11% of shared cognates: languages of same superstock
- 10% – 5% of shared cognates: languages of the same phylum

The matrix is read by following horizontally, left to right, a line of numbers until it intersects with a vertical line of numbers, read top to bottom. So, following Si (Sikaritai) to the right until it intersects with Er (Eritai), read down, gives 55%.

Several observations can be made from the evidence given that would lead to a reclassification of some of these languages. First, the Lakes Plain languages are not in the same stock as the Tor languages. In fact, they do not seem to be in the same phylum. Second, the Lakes Plain languages clearly belong to the Geelvink Bay Phylum, but they are a different stock from East Geelvink Bay. Finally, the Lakes Plain languages divide into two distinct stocks with five families within the Tariku Stock. It is quite logical that the languages previously classified as East Lakes Plain Family (Foau, Dabra and Taworta) would constitute a sixth family. I have made that assumption in the reclassification that follows. No attempt was made to reclassify the languages outside of the Lakes Plain Superstock (i.e. Kaure), though it should be noted that recent comparisons between Kaure and Lakes Plain grammars give some support to placing Kaure in the Geelvink Bay Phylum.

Based on this information, the following tree diagram was made (generated by the computer program LEXISTAT):



Therefore, I would like to suggest the following reclassification of the Lakes Plain languages.

GEELVINK BAY PHYLUM

Lakes Plain Superstock

Rasawa Stock

Rasawa – Saponi Family

Rasawa

Saponi

Awera Family-Level Isolate

Awera

Tariku Stock

Tause Family-Level Isolate

Tause

(a) Tause

(b) Weirate

(c) Deirate

West Tariku Family

Fayu

(a) Fayu

(b) Sehudate

Kirikiri

(a) Kirikiri

(b) Faia

Central Tariku Family

Edopi

Turu

(a) Iau

(b) Foi

(c) Turu

Duvle Family-Level Isolate

Duvle

East Tariku Family

Doutai

Waritai

Kai

Biritai

Obokuitai

Eritai

Sikaritai

Kwerisa

Papasena

East Lakes Plain Family

Foau

Taworta

Dabra

East Geelvink Bay Stock

Bauzi Family

Bauzi

Demisa

etc. as per Silzer and Clouse (1991)

APPENDIX 1: VOCABULARY OF PROTO LAKES PLAIN

Ref.	English	PLP	PFW	PT	PWT	PCT	PET
4	neck	* <i>kukro</i>	* <i>roko</i>	* <i>kokro</i>	* <i>kokrV</i>		* <i>kro</i>
5	mouth	* <i>kukadi/u</i>	* <i>koru</i>	* <i>kuari</i>	* <i>kuari</i>	* <i>ba</i>	* <i>kua</i>
6	tooth	* <i>bri</i>	* <i>biri</i>	* <i>bri</i>	* <i>bri</i>	* <i>biri</i>	* <i>bri</i>
8	eye	* <i>kudatiCV</i>	* <i>ura</i>	* <i>kurati</i>	* <i>kurati</i>		* <i>kuratiC</i>
9	nose		* <i>boru</i>	* <i>boru</i>			* <i>boru</i>
12	hair/fur	* <i>kru/i</i>		* <i>kru/i</i>	* <i>kru</i>		* <i>kru/i</i>
15	fingernail	* <i>pV</i>	* <i>bV</i>	* <i>pV</i>	* <i>ɸV</i>	* <i>ɸo</i>	* <i>pe</i>
16	skin	* <i>ɸidi</i>	* <i>bi</i>	* <i>ɸiri</i>	* <i>ɸire</i>	* <i>iṛi</i>	* <i>bari</i>
17	meat	* <i>tV</i>	* <i>tV</i>	* <i>tV</i>	* <i>tV</i>	* <i>ta</i>	* <i>tV</i>
19	bone		* <i>be</i>	* <i>kai</i>	* <i>kai</i>	* <i>i</i>	* <i>ai</i>
20	breast	* <i>touCV</i>	* <i>tou</i>	* <i>touC</i>	* <i>tou^</i>	* <i>touC</i>	* <i>touC</i>
21	stomach	* <i>kuria</i>	* <i>wia</i>	* <i>kuria</i>	* <i>kuri</i>		* <i>kuia</i>
26	leg		* <i>tu</i>	* <i>Ca</i>	* <i>Ca</i>	* <i>ta</i>	* <i>a</i>
26b	foot			* <i>to</i>	* <i>to</i>		* <i>to</i>
29	water	* <i>deida</i>	* <i>deire</i>	* <i>dida</i>	* <i>dida</i>	* <i>ida</i>	* <i>wadi</i>
37	fire	* <i>kudaide</i>	* <i>tairo</i>	* <i>kure</i>	* <i>kue</i>	* <i>be</i>	* <i>kure</i>
	adj. suffix	*-we/-die	*-we/-de	*-we/-die	*-we	*-be	*-die
41	stone	* <i>kuiпade</i>	* <i>pare</i>	* <i>kuiɸae</i>	* <i>kuiɸae</i>	* <i>kuiɸa</i>	* <i>kuip</i>
44	one		* <i>kri</i>	* <i>keiki</i>			* <i>keiki</i>
46	three	* <i>didi</i>	* <i>dri</i>	* <i>Cidi</i>	* <i>Cido</i>		* <i>tidi</i>
52	land	* <i>pra/i</i>	* <i>pri</i>	* <i>pra</i>	* <i>ɸra</i>		* <i>pra</i>
54	path	* <i>kuadi</i>	* <i>arV</i>	* <i>kuari</i>	* <i>kuari</i>	* <i>ba</i>	* <i>kuai</i>
56	wide		* <i>wara</i>				
59	rain	* <i>kurire</i>	* <i>kuie</i>	* <i>kuri</i>	* <i>kuri</i>	* <i>bi</i>	
72	dull	* <i>baCu</i>	* <i>paupe</i>	* <i>baCu</i>	* <i>baCu</i>	* <i>ba</i>	
73	sun	* <i>tio</i>		* <i>tio</i>	* <i>tio</i>	* <i>so</i>	* <i>so</i>
76	moon		* <i>bari</i>				
78	banana	* <i>kriCV</i>	* <i>kiri</i>	* <i>kriC</i>	* <i>kri^</i>	* <i>kiri</i>	* <i>kriC</i>
83	tree	* <i>kuCV</i>	* <i>ku</i>	* <i>kuC</i>	* <i>u</i>	* <i>u</i>	* <i>kuC</i>
84	split		* <i>pekeka</i>				
88	thorn	* <i>kude</i>	* <i>pore</i>	* <i>kure</i>	* <i>kure</i>	* <i>be</i>	* <i>kure</i>
90	seed		* <i>weto</i>		* <i>kaba</i>	* <i>ɸe</i>	* <i>aCi</i>
97	black	* <i>kVCa</i>	* <i>kuara</i>	* <i>kVC</i>	* <i>kaCa</i>		* <i>kiC</i>
101	bird	* <i>du</i>		* <i>du</i>	* <i>du</i>	* <i>du</i>	* <i>du</i>
103	wing	* <i>auCo</i>	* <i>uko</i>	* <i>auCu</i>	* <i>auro</i>	* <i>apu</i>	* <i>akau</i>

Ref.	English	PLP	PFW	PT	PWT	PCT	PET
105	cassowary	*diadi	*kiri	*diari	*diari	*diari	
106	a fly	*kubadi	*poiti	*kubari	*kuari	*bari	*kuari
107	mosquito	*tide	*tre	*tire	*tire	*tire	*tire
108	dog	*tabi	*kaCo	*tabi	*tiabi	*dabi	*dabi
116	tail	*tiCa		*tiCa	*tiCa	*tia	*tiC
117	fish	*tie	*te	*tie	*tie		*te
118	leech	*kibV	*kiba	*kibi	*ki	*ki	*kibi
119	louse	*pri	*piri	*pri	*ɸri		*pri
124	long		*pobi	*kure	*kure	*be	*kuri
128	house	*kuadV	*aru	*kuarV	*kua	*urV	*kuari
138	near	*paipai	*paia	*aiɸai			*aiɸai
140	person	*tau	*du	*tai	*te	*te	*tai
142	bad		*kaibe	*ɸVra	*ɸe		*ɸura
149	child	*tau-bri	*tu-ri	*tau-bri	*tau-bri	*tau-	*tau-bi
151	2SG	*de	*de	*de	*de	*di	*de
152	1PL	*ai	*e	*ai	*ai	*e	*ai
153	3SG		*kibV		*be	*o	*de
159	go/walk	*kidia	*dao	*kidia	*kidia	*dia	
162	hear-STAT	*kuedi-kuda	*beri-kura	*kueri-kua	*beri-kua	*beri-wa	*kueri-kua
164	search		*paka				
168	suck	*tau	*tu	*tau	*taua		*betu
171	vomit	*kadudu	*aru	*karudu	*ku	*u	*krudu
177	scrape	*kiCi	*kibie	*kiri	*kini	*iri	*bekiri
178	sit	*ɸiɸu	*kua	*ɸiɸu	*ɸoko	*bau	*buhu
179	stand	*dia-dau	*tarau	*dia-da	*dia-da		
186	grab	*tiadado	*suarau	*araro	*araro	*da	*do
188	blow	*pudV	*purV	*purV	*ɸura	*ɸoi	*bu-ɸuru
190	cough	*takadV	*takari	*takurV	*takuro	*taurai	*takura
213	firewood	*bodi		*bori	*bo	*bori	
214	feaces	*pade		*pare	*ɸa	*ɸa	*pare
215	urine	*tiCi		*tiCi	*ti^	*ti	*tiCi
216	penis	*tiuCV		*tiuC	*tiu^	*tiu	*tuC
217	scrotum	*kudiCV		*kuriC	*kui^		*kuiC
223	chin	*kuaukadi		*kuaukari	*kuaukai	*baukai	*kuaukari
233	ant	*keCV		*keC	*ke	*e	*kiC
244	arrow	*poka		*poka	*ɸoka	*ɸoka	*poka

APPENDIX 2: ENGLISH FINDERLIST

152.	1PL.INCL	253.	copulate	226.	forehead
150.	1SG	190.	cough	93.	forest
151.	2SG	191.	count	47.	four
154.	3PL	236.	crocodile	89.	fruit
153.	3SG	218.	crooked	127.	full
193.	afraid	195.	cry	79.	garden
51.	all	175.	die	235.	gecko
233.	ant	114.	different	187.	give
244.	arrow	192.	dig	159.	go/walk
39.	ash	11.	dirty	141.	good
142.	bad	108.	dog	250.	goods
78.	banana	247.	door	186.	grab
219.	bandicoot	185.	dream	80.	grass
255.	bat	167.	drink	100.	green
181.	bathe	248.	drum	2.	hair
109.	big	81.	dry	10.	hand
101.	bird	72.	dull	1.	head
115.	bite/chew	53.	dust	162.	hear
97.	black	3.	ear	24.	heart
23.	blood	169.	eat	42.	heavy
188.	blow	102.	egg	227.	heel
12.	body hair	207.	eight	172.	hit
220.	boil (n)	13.	elbow	210.	hole
19.	bone	8.	eye	63.	hot
245.	bow	224.	eyebrow	128.	house
86.	branch	225.	eyelash	145.	husband
257.	breadfruit	182.	fall	132.	in front
20.	breast	139.	far	134.	inside
189.	breathe	18.	fat	239.	ironwood
234.	butterfly	147.	father	262.	kangaroo
256.	canoe	214.	faeces	174.	kill
105.	cassowary	144.	female	228.	knee
258.	centipede	249.	fence	161.	know something
221.	cheek	50.	few	30.	lake
222.	chest	14.	finger	52.	land
149.	child	15.	fingernail	183.	lay
223.	chin	37.	fire	87.	leaf
259.	cloth	213.	firewood	118.	leech
58.	cloud	117.	fish	137.	left
260.	cockroach	48.	five	26.	leg
64.	cold	32.	flow	66.	lightning
246.	comb	212.	flower	176.	live
158.	come	106.	fly	25.	liver
38.	cook	104.	to fly	124.	long
261.	copula	61.	fog	119.	louse

22.	lower back	200.	rub	27.	swollen
143.	male	267.	sago	116.	tail
49.	many	36.	salt	165.	talk
263.	matoa (tree sp.)	113.	same	6.	teeth
74.	midday	33.	sand	209.	ten
76.	moon	177.	scrape	112.	that
107.	mosquito	217.	scrotum	131.	thatch
148.	mother	164.	search	69.	thick
57.	mountain	35.	sea	70.	thin
5.	mouth	163.	see	111.	this
82.	mow	90.	seed	88.	thorn
241.	mud	206.	seven	46.	three
17.	muscle	71.	sharp	204.	throw
157.	name	121.	shoot	65.	thunder
55.	narrow	125.	short	95.	tie
138.	near	229.	shoulder	231.	toe
4.	neck	194.	shy	251.	tomorrow
237.	nest	28.	sick	7.	tongue
129.	new	196.	sing	83.	tree/wood
75.	night	178.	sit	166.	true
208.	nine	205.	six	160.	turn
180.	no/not	16.	skin	45.	two
9.	nose	60.	sky	215.	urine
130.	old	184.	sleep	232.	vein
44.	one	43.	slick	243.	village
133.	outside	110.	small	171.	to vomit
54.	path	92.	smelly	254.	vulva
216.	penis	40.	smoke	202.	wash
140.	person	123.	snake	29.	water
120.	pig	238.	spider	34.	wet
203.	pinch	170.	spit	156.	what
197.	play	84.	split	96.	white
199.	pull	173.	stab	155.	who
198.	push	67.	staff	56.	wide
59.	rain	179.	stand	146.	wife
242.	rainbow	77.	star	62.	wind
126.	rat	21.	stomach	103.	wing
98.	red	41.	stone	201.	wipe
136.	right	68.	straight	122.	worm
31.	river	264.	string bag	99.	yellow
240.	root	168.	such	252.	yesterday
94.	rope	73.	sun		
91.	rotten	230.	sweat		

APPENDIX 3: COMPARATIVE WORD LISTS

This appendix consists of word lists used in the analysis. They were obtained from many different sources using many different phonetic orthographies. The transcriptions of the original word lists have been, in some cases, simplified and converted to the IPA system which gives, for comparative purposes, a workable approximation of the phonic shape of the words. In addition to the IPA, the symbols ^ means 'raised' and ' means 'unreleased'. Contrary to IPA, the symbol j is used for the voiced palatal affricate and the symbols y and w are used as semivowels and palatalisation/labialisation of the preceding consonant. Although tonal contrast is found in virtually all of the Lakes Plain languages, it will not be shown in the word list transcriptions. Additionally, stress is not marked because only a few original word lists marked it and it has not been found to be contrastive in any of the Lakes Plain languages to date. In these word lists, a hyphen marks a morpheme boundary (actual or deduced). A forward slash indicates alternate words with the first word being more common.

Below is a list of the word list sources and other information. I have stuck closely to what the original transcriber wrote, even when the utterance is most obviously a phrase and not a single word. I offer these strictly as additional information as I discounted them in calculating language relatedness.

I have also included an English finderlist to aid the reader in finding specific words. See Appendix 2.

LIST OF ORIGINAL WORD LIST SOURCES

Language:	Awera
Elicitor(s):	L. Jones
Date:	February 1987
Reliability:	Obtained on survey.
Village:	Awera
Language:	Bauzi
Elicitor(s):	Dave Briley
Date:	October 1992
Reliability:	Obtained after extensive time in the language.
Village:	Noiadi
Language:	Berik
Elicitor(s):	P. Westrum
Date:	September 1982
Reliability:	Obtained after extensive time in the language.
Transcription comments:	The transcriptions were written orthographically. The exact quality of the phonemes is uncertain.
Village:	Somanente

Language: Biritai
 Elicitor(s): Duane Clouse
 Reliability: Obtained on survey.
 Date: October 1992
 Village: Biri

Language: Western Dani
 Elicitor(s): Gail Berryman
 Reliability: Obtained after extensive time in the language.
 Date: May 1986
 Transcription comments: Written orthographically.
 Village: Karubaga

Language: Deirate (dialect of Tause)
 Elicitor(s): Duane Clouse
 Reliability: Obtained on survey.
 Date: May 1992
 Transcription comments: w's following consonants are labialised consonants.
 Village: Campsite 37, Wapoga Mutiara Lumber Company

Language: Demisa
 Elicitor(s): Duane Clouse
 Reliability: Obtained on survey.
 Date: 1992
 Transcription comments: Another word list was taken in 1987 by Larry Jones in the village of Desawa on the coast. Although this language was also called Demisa, the lexicostatistical similarity is less than 70 per cent. Since the 1992 survey was taken in an area closer to the Lake Plain speakers, it was used to represent Demisa.
 Village: Campsite 43, Wapoga Mutiara Lumber Company

Language: Doutai
 Elicitor(s): L. McAllister
 Reliability: Obtained after several years in the language.
 Date: April 1986
 Transcription comments: The diagraphs *iy* and *uw* represent a fricativised *i* and *u*. I have used the diagraphs *i^* and *u^* for uniformity.
 Village: Dou

Language:	Duvle
Elicitor(s):	C. Murdoch
Reliability	Obtained after extensive time in language.
Date:	November 1992
Transcription comments:	Most of the <i>r</i> 's in my transcription were written as flap <i>d</i> and <i>l</i> in Murdoch's transcription.
Village:	Dagai
Language:	Elopi
Elicitor(s):	I. Green
Reliability:	Obtained after several years in the language.
Date:	November 1985
Village:	Kordesi
Language:	Eritai
Elicitor(s):	D. Martin
Reliability:	Obtained on survey.
Date:	February 1985
Village:	Eri
Language:	Faia (dialect of Kirikiri)
Elicitor(s):	D. Clouse
Reliability:	Obtained on survey.
Date:	May 1991
Village:	nomads
Language:	Fayu
Elicitor(s):	K. Kügler
Reliability:	Obtained after several years in the language.
Date:	circa 1986
Transcription comments:	The word list was compiled from Kügler's working notes.
Village:	Foida
Language:	Iau (dialect of Turu)
Elicitor(s):	J. Bateman
Reliability:	Obtained after extensive time in the language.
Date:	October 1992
Transcription comments:	The digraph <i>ij</i> is to be interpreted as a fricativised <i>i</i> , written <i>i^</i> below.
Village:	Iau

Language: Kai
 Elicitor(s): L. McAllister
 Reliability: Obtained on survey.
 Date: April 1986
 Transcription comments: The digraphs *iy* and *uw* represent a fricativised *i* and *u*. They will be written *i[^]* and *u[^]*. Most *k*'s are backed.
 Village: Kai

Langauge: Kaure
 Elicitor(s): P. Dommel, M. Werner
 Reliability: Obtained on survey.
 Date: May 1985
 Transcription comments: The transcriptions were handwritten and in some cases very difficult to read. In particular, distinguishing *r*, *v* and *u*.
 Village: Lereh

Language: Kirikiri
 Elicitor(s): D. and H. Clouse
 Reliability: Obtained after several years in the language.
 Date: October 1992
 Village: Wahuka

Language: Orya
 Elicitor(s): P. Fields
 Reliability: Obtained after extended time in the language.
 Date: October 1992
 Village: Guay

Language: Obokuitai
 Elicitor(s): S. Jenison
 Reliability: Obtained after several years in the language.
 Date: October 1992
 Village: Obokui

Language: Rasawa
 Elicitor(s): L. Jones
 Reliability: Obtained on survey.
 Date: February 1987
 Transcription comments: Velar stops and fricatives are backed. The velar fricative alternates with aspirated stop.
 Village: Rasawa

Language: Saponi
 Elicitor(s): I. Bouwman and J. Holster
 Reliability: Obtained on survey.
 Date: June 1986
 Village: Botawa

Language: Sehudate
 Elicitor(s): D. Clouse
 Reliability: Obtained on survey.
 Date: May 1992
 Village: nomads

Language: Sikaritai
 Elicitor(s): D. Martin
 Reliability: Obtained after extensive time in the language.
 Date: March 1982
 Transcription comments: The explanation "Cg = stop followed by pharyngeal fricative" was given.
 Village: Sikari

Language: Tause
 Elicitor(s): P. Munnings
 Reliability: Obtained after several years in the language.
 Date: July 1984
 Village: Derapos

Language: Waritai
 Elicitor(s): L. McAllister
 Reliability: Obtained on survey.
 Date: April 1986
 Transcription comments: The digraphs *iy* and *uw* represent a fricativised *i* and *u*. They will be written *i[^]* and *u[^]*.
 Village: Taiyeve

Language: Weirate (dialect of Tause)
 Elicitor(s): D. Clouse
 Reliability: Obtained on survey.
 Date: May 1992
 Village: nomads

Language	1. head	2. hair	3. ear	4. neck
SAPONI	<i>nu-ya-re</i>	<i>nu-yawau-re</i>	<i>nu-yia-re</i>	<i>no-royo</i>
RASAWA	<i>u-xa</i>	<i>u-k^ha:</i>	<i>u-ra</i>	<i>u-su</i>
AWERA	<i>nu-ruwa:-ri</i>	<i>nurua:rio-su</i>	<i>no:-ri</i>	<i>loguo-βi</i>
WEIRATE	<i>a-guru?</i>	<i>a-guru</i>	<i>a-sa</i>	<i>k^ogru</i>
DEIRATE	<i>a-kude</i>	<i>ta-su</i>	<i>a-sale</i>	<i>k^okude</i>
TAUSE	<i>a-xuru</i>	<i>ta-su</i>	<i>a-za</i>	<i>wayi</i>
SEHUDATE	<i>e-tau</i>	<i>ta-tu</i>	<i>ɛ̄</i>	<i>esahui</i> (larynx)
FAYU	<i>a-tau</i>	<i>a-dati^u</i>	<i>ai</i>	<i>eɸiai</i>
FAIA	<i>sa-yi</i>	<i>ta-kru</i>	<i>kε</i>	<i>ko^uwe</i>
KIRIKIRI	<i>ta</i>	<i>ta-kru[^]</i>	<i>ke</i>	<i>kokai</i>
EDOPI	<i>bau</i>	<i>towa</i>	<i>e</i>	<i>hua</i>
IAU	<i>i[^]</i>	<i>i[^]-su</i>	<i>e</i>	<i>hesi</i>
DUVLE	<i>va'yaⁱI</i>	<i>tæri</i>	<i>ovē</i>	<i>go^urayai</i>
DOUTAI	<i>si[^]</i>	<i>teri</i>	<i>wei</i>	<i>gori</i>
WARITAI	<i>ei[^]da</i>	<i>tri[^]</i>	<i>wi[^]te</i>	---
KAI	<i>awa-tgo</i>	<i>awa-ripro^u</i>	<i>aw-iso</i>	---
BIRITAI	<i>au-xai</i>	<i>hoyi</i>	<i>a-kai</i>	<i>a-rətai</i>
OBOKUITAI	<i>a-horub[~]</i>	<i>hoig[~]</i>	<i>a-kwei</i>	<i>a-krotei</i>
ERITAI	<i>o-horu</i>	<i>hiri</i>	<i>o-kwei</i>	---
SIKARITAI	<i>awa-ta</i>	<i>ted[~]</i>	<i>au-g[~]so</i>	---
KAURE	<i>poklai</i>	<i>hat</i>	<i>huaglut</i>	<i>tuhuin</i>
BAUZI	<i>ohula</i>	<i>ohuta</i>	<i>dogoi</i>	<i>tuhu</i>
BERIK	<i>dwak</i>	<i>nabal safā</i>	<i>i-mwa</i>	---
ORYA	<i>nol</i>	<i>nolala</i>	<i>i-mwa</i>	<i>hole</i>
DANI	<i>anobak</i>	<i>eeruwak</i>	<i>aruk</i>	<i>enggaanok</i>
DEMISA	<i>ohuda</i>	<i>ohutai</i>	<i>hema</i>	<i>ju</i>

Language	5. mouth	6. teeth	7. tongue	8. eye
SAPONI	<i>ni-yowo-re</i>	<i>ni-here</i>	<i>nu-re-re</i>	<i>nu-ra-i-e</i>
RASAWA	<i>ɔ</i>	<i>ɔ-βi</i>	<i>iso:kɔ</i>	<i>ɔra</i>
AWERA	<i>no-yo:u</i>	<i>no:-βi</i>	<i>no-ri</i>	<i>uruwe:-ri</i>
WEIRATE	<i>a-wao</i>	<i>a-bəri</i>	<i>kezəru</i>	<i>waye</i>
DEIRATE	<i>kwa-dude</i>	<i>a-bite</i>	<i>kisudi</i>	<i>kwakəne</i>
TAUSE	<i>a-kwa</i>	<i>a-bəri</i>	<i>kezəru</i>	<i>waeye</i>
SEHUDATE	<i>gudato</i>	<i>e:ri</i>	<i>ai</i>	<i>estate</i>
FAYU	<i>a-ui</i>	<i>εri</i>	<i>ai</i>	<i>atare</i>
FAIA	<i>uɸəri</i>	<i>uri</i>	<i>oma</i>	<i>kla</i>
KIRIKIRI	<i>borakwari</i>	<i>uri</i>	<i>abla</i>	<i>kla</i>
EDOPI	<i>bu</i>	<i>bidi</i>	<i>aia</i>	<i>hæræ</i>
IAU	<i>be</i>	<i>bi^/bi^ho</i>	<i>ae</i>	<i>ɸæ</i>
DUVLE	<i>oraya</i>	<i>æbidi</i>	<i>zəri</i>	<i>gari</i>
DOUTAI	<i>webo/wobo</i>	<i>εbri^</i>	<i>dəri</i>	<i>wra</i>
WARITAI	<i>wε</i>	<i>bi^</i>	<i>routε</i>	<i>wa</i>
KAI	<i>a-wε</i>	<i>a-bri^</i>	<i>a-rijε</i>	<i>awa-ti^</i>
BIRITAI	<i>a-kau</i>	<i>a-hi</i>	<i>a-ria</i>	<i>a-u</i>
OBOKUITAI	<i>a-kwε</i>	<i>a-brid'</i>	<i>a-rijə</i>	<i>a-u</i>
ERITAI	<i>o-kwe</i>	<i>εhiri</i>	<i>etida</i>	<i>o-kwati</i>
SIKARITAI	<i>a-wε</i>	<i>a-pid'</i>	<i>a-sig'ja</i>	<i>a-patig'</i>
KAURE	<i>bloküit</i>	<i>spgai</i>	<i>srumu</i>	<i>hwai</i>
BAUZI	<i>aha</i>	<i>mo</i>	<i>iso</i>	<i>faxo</i>
BERIK	<i>ærem</i>	<i>ol</i>	<i>maflam</i>	<i>nue</i>
ORYA	<i>mip</i>	<i>æk</i>	<i>mahal</i>	<i>nwe</i>
DANI	<i>ambe</i>	<i>eyak/ik</i>	<i>amela</i>	<i>enegeñ</i>
DEMISA	<i>aha</i>	<i>molu</i>	<i>itsa</i>	<i>halukwa</i>

Language	9. nose	10. hand	11. dirty	12. body hair
SAPONI	<i>nu-wo-riε</i>	<i>nu-yo'ε</i>	<i>yə'iε</i>	<i>nɔ-yɔabriε</i>
RASAWA	<i>u-βu</i>	<i>o-βoko</i>	<i>bekeβiye</i>	<i>o-βiye</i>
AWERA	<i>o-wo:rua</i>	<i>o-βu</i>	<i>aiβau</i>	<i>wo:u</i>
WEIRATE	<i>a-jage</i>	<i>a-ga</i>	<i>kaɸudi</i>	<i>kasuɸu</i>
DEIRATE	<i>a-dyokwane</i>	<i>a-ka</i>	<i>a-kakahu</i>	<i>kasu</i>
TAUSE	<i>a-tiaxe</i>	<i>a-xa</i>	<i>kaka</i>	<i>kasu</i>
SEHUDATE	<i>ɛ-ɸɔdi</i>	<i>dəhai</i>	<i>koadi</i>	<i>ɛ-satu</i>
FAYU	<i>ɔɸɔri</i>	<i>ada</i>	---	---
FAIA	<i>hadua</i>	<i>edɪə</i>	---	<i>klu^</i>
KIRIKIRI	<i>faisia</i>	<i>edia</i>	<i>kouwe</i>	<i>klu^</i>
EDOPI	<i>torɔ</i>	<i>kai</i>	---	<i>idi towa</i>
IAU	<i>to</i>	<i>oi</i>	<i>na</i>	<i>su</i>
DUVLE	<i>vri go'riε</i>	<i>oreki</i>	<i>kori</i>	---
DOUTAI	<i>boru^</i>	<i>gai^</i>	<i>ki^</i>	<i>ekri</i>
WARITAI	<i>boru^</i>	<i>ei^da</i>	<i>ki^</i>	<i>tuki</i>
KAI	<i>a-harwesa</i>	<i>a-kai</i>	<i>ki^</i>	<i>a-keri</i>
BIRITAI	<i>a-husi</i>	<i>ai^</i>	---	<i>a-su</i>
OBOKUITAI	<i>a-horusig^</i>	<i>a-kai</i>	<i>kig^</i>	<i>a-kri</i>
ERITAI	<i>orusa</i>	<i>a-kai</i>	<i>tibihei</i>	<i>o-rue</i>
SIKARITAI	<i>a-pot^</i>	<i>a-la</i>	<i>ig'jekid^</i>	<i>uri</i>
KAURE	<i>hapu</i>	<i>obla</i>	<i>da</i>	<i>kambelihai</i>
BAUZI	<i>ɔmtɔ</i>	<i>anekeha</i>	<i>gihobut</i>	<i>talu</i>
BERIK	<i>mase</i>	<i>tafa</i>	<i>ortunoboro</i>	<i>safa</i>
ORYA	<i>mase</i>	<i>taha</i>	<i>enen-na</i>	<i>timala</i>
DANI	<i>ogobak</i>	<i>eenggi</i>	<i>mili</i>	<i>amoori</i>
DEMISA	<i>omata</i>	<i>nəha</i>	<i>nea</i>	<i>tarehe</i>

Language	13. elbow	14. finger	15. fingernail	16. skin
SAPONI	wawo- <i>re</i>	furo- <i>re</i>	fura- <i>je</i>	βuwε- <i>je</i>
RASAWA	ukariye	øβokopra	øβru	ujbi
AWERA	o:- <i>ri</i>	irigya;βo	orøβæ	aβia
WEIRATE	kariawa	a-yakai	ɸe	katia
DEIRATE	a-xai	a-ka	toro-ɸe	kasu
TAUSE	kariawa	a-xa-kai	axa-ɸe	katia
SEHUDATE	ɛ-dɛ-kwɔu	ɛta	ta fɔdi	esa
FAYU	a-tai	atao	əɸɔru	asa
FAIA	haidlū	ɛdi-ki	ɛdi-ho	i^ɛ
KIRIKIRI	kibu^	edia-ki^	edia-ɸo	ɸi^e
EDOPI	kouhu	kai	kai-ho	iri
IAU	oho	oi-si	ho	i
DUVLE	---	o- <i>re</i> -ki k <i>re</i> -ywa	---	a-βa-si
DOUTAI	ɛrikaru^	---	ɛ-ria	basi^
WARITAI	riku^	---	riia	bariso
KAI	a-ruku	---	a-ria	a-hai^
BIRITAI	a-du	ai^	a-ria	a-sudo
OBOKUITAI	a-kug^	a-kai-kw <small>re</small>	a-ria	a-harig^/a-sai
ERITAI	e-riku	kreko	e-ria	ɛ-hai ^{kai}
SIKARITAI	ad'kad'	a-urɛ	a-pet'	a-ɸed'
KAURE	hwaihui	waembeli	wagi	axlit
BAUZI	neuha	anekehaso	ødøhøfet	sɔkɔba
BERIK	golo	bor	otoma	tifin
ORYA	ausu	bola	ongkola	sop
DANI	yungguk	enggabit	enegeñ	agabelo
DEMISA	nihaβo	neha	otoda	hiɔ

Language	17. muscle	18. fat	19. bone	20. breast
SAPONI	<i>nu-yuwaⁱ-o-<i>re</i></i>	<i>fɔyəwə</i>	<i>wawə-<i>r</i></i>	<i>turureⁱ</i>
RASAWA	<i>u-<i>ru</i></i>	<i>iba</i>	<i>wəβi</i>	<i>tu</i>
AWERA	<i>o-ro:<i>ru</i></i>	<i>a;βo</i>	<i>aβe:<i>ri</i></i>	<i>rou</i>
WEIRATE	<i>a-<i>re</i></i>	<i>soja</i>	<i>kai</i>	<i>to</i>
DEIRATE	<i>a-xwa</i>	<i>soia</i>	<i>kai</i>	<i>to</i>
TAUSE	<i>a-diφe</i>	---	<i>kai</i>	<i>to</i>
SEHUDATE	<i>di</i>	---	---	<i>ti</i>
FAYU	---	<i>ɸu</i>	---	<i>tüi</i>
FAIA	<i>də</i>	<i>hu</i>	<i>ki</i>	<i>tu</i>
KIRIKIRI	<i>də</i>	<i>ɸu[^]</i>	<i>ki[^]</i>	<i>tu</i>
EDOPI	<i>ta:</i>	<i>dereri</i>	<i>i</i>	<i>tue</i>
IAU	<i>ta</i>	<i>dei</i>	<i>i[^]</i>	<i>tui</i>
DUVLE	<i>orri</i>	<i>orri kara</i>	<i>kæ-ri-a</i>	<i>do</i>
DOUTAI	---	<i>pu[^]</i>	<i>sobogu</i>	<i>wei[^]a</i>
WARITAI	---	<i>ki[^]pε</i>	<i>raku[^]so</i>	<i>tou</i>
KAI	---	<i>a-kabi-phaio</i>	<i>a-sa</i>	<i>tou[^]</i>
BIRITAI	<i>a-ra</i>	<i>hu[^]</i>	<i>a-hai[^]</i>	<i>tou[^]</i>
OBOKUITAI	<i>a-kra</i>	<i>hub[~]</i>	<i>a-baig[~]</i>	<i>to^ub[~]</i>
ERITAI	---	---	<i>e-sra</i>	<i>tou</i>
SIKARITAI	<i>ata</i>	---	<i>a-gat[~]</i>	<i>to</i>
KAURE	<i>hapui</i>	<i>pəhəkai</i>	<i>laq</i>	<i>muq</i>
BAUZI	<i>nubu</i>	<i>nehu</i>	<i>fa</i>	<i>ahude</i>
BERIK	---	---	<i>ælna</i>	<i>mom</i>
ORYA	<i>nin</i>	<i>hanan</i>	<i>dan</i>	<i>mom</i>
DANI	<i>engganggum</i>	<i>amok</i>	<i>owak</i>	<i>elak</i>
DEMISA	<i>betinukwa</i>	<i>nehu</i>	<i>heta</i>	<i>ubra</i>

Language	21. stomach	22. lower back	23. blood	24. heart
SAPONI	<i>nu-wε-ɾε</i>	<i>nu-γɔ-re</i>	<i>no-rei</i>	<i>nɔ-wu-rej</i>
RASAWA	<i>u-βarɔ</i>	<i>o-xawεβε</i>	<i>u:yo</i>	<i>tura</i>
AWERA	<i>a-βara</i>	<i>a-βaru</i>	<i>oβu</i>	<i>ou</i>
WEIRATE	<i>kri</i>	<i>koyoi</i>	<i>ama</i>	<i>ako</i>
DEIRATE	<i>ki</i>	<i>koke</i>	<i>ama</i>	<i>kwesa</i>
TAUSE	<i>kri</i>	<i>koyai</i>	<i>aɸa</i>	<i>axo</i>
SEHUDATE	<i>ɛri</i>	<i>ɔyɔdɔɸui</i>	<i>kare</i>	<i>obədu</i>
FAYU	<i>ɛri</i>	<i>ɔhrai</i>	<i>kare</i>	<i>ɔru</i>
FAIA	<i>tau</i>	<i>kuri-ki</i>	<i>kuru</i>	<i>kɔru</i>
KIRIKIRI	<i>tau</i>	<i>kuri-ki^</i>	<i>klu</i>	<i>kɔru</i>
EDOPI	<i>tao</i>	<i>tɔida</i>	<i>aurai</i>	<i>ou</i>
IAU	<i>ai^</i>	<i>ɸɔε</i>	<i>oe</i>	<i>o</i>
DUVLE	<i>ɔri</i>	<i>vaya^j</i>	<i>sæ're</i>	<i>gebe</i>
DOUTAI	<i>owi</i>	<i>warigra</i>	<i>sai^</i>	<i>wabi^</i>
WARITAI	<i>kiko</i>	<i>kerai</i>	<i>sai^</i>	<i>wabi^</i>
KAI	<i>a-wia</i>	<i>a-keidai^aka</i>	<i>sai^</i>	<i>a-wabi^</i>
BIRITAI	<i>kiare</i>	<i>atiso</i>	<i>du</i>	<i>kɔhai</i>
OBOKUITAI	<i>a-ub^</i>	<i>a-kikub^</i>	<i>saig^</i>	<i>a-kub^de</i>
ERITAI	<i>o-kwia</i>	<i>e-taru</i>	<i>said^</i>	<i>o-kugde</i>
SIKARITAI	<i>a-wia</i>	<i>a-hug^</i>	<i>sa'id^</i>	<i>a-ug^je</i>
KAURE	<i>kɔit</i>	<i>hamsi</i>	<i>hi</i>	<i>kaxlit</i>
BAUZI	<i>asum</i>	<i>tahazɔhɔ</i>	<i>vasea</i>	<i>ahula</i>
BERIK	<i>witifin</i>	<i>duru</i>	<i>æwis</i>	<i>i</i>
ORYA	<i>u</i>	<i>tahan dan</i>	<i>kal</i>	<i>bwis dan</i>
DANI	<i>aanugum</i>	<i>anggunuwak</i>	<i>amiya</i>	<i>iniki</i>
DEMISA	<i>asuma</i>	<i>boka</i>	<i>nahabi</i>	<i>auwa</i>

Language	25. liver	26. leg	27. swollen	28. sick
SAPONI	<i>nu-eⁱweⁱ-je</i>	<i>nə-su-reⁱ</i>	<i>ma-yəwə</i>	<i>fɔ-γəwə</i>
RASAWA	<i>o-koyo</i>	<i>u-ru</i>	<i>pakogjβo</i>	<i>əsəkorekaβo</i>
AWERA	<i>rowæ</i>	<i>ruwa</i>	<i>kri;βe</i>	<i>kruβəβe</i>
WEIRATE	<i>ɔraki</i>	<i>a-ɸra</i>	<i>kaitaβe</i>	<i>ɸaiɸɔjara</i>
DEIRATE	<i>oke</i>	<i>kaⁱ (thigh)</i>	---	<i>ɸanana</i>
TAUSE	---	<i>a-to (foot)</i>	---	<i>kweβau</i>
SEHUDATE	<i>aiohwi</i>	<i>a-ha (thigh)</i>	---	<i>bokoi</i>
FAYU	<i>a-taru</i>	<i>a-tai</i>	---	<i>teho/süro</i>
FAIA	<i>kuru</i>	<i>hai (thigh)</i>	---	<i>eheki?</i>
KIRIKIRI	<i>kuru</i>	<i>ɸa (thigh)</i> <i>touwa (foot)</i>	<i>ɸi</i>	<i>sua</i>
EDOPI	<i>ta</i>	<i>ta</i>	<i>heie</i>	<i>suai</i>
IAU	<i>ta</i>	<i>tai (thigh)</i>	<i>hi</i>	<i>su</i>
DUVLE	<i>gæri</i>	<i>fria</i>	<i>fo^u</i>	<i>suroro</i>
DOUTAI	---	<i>garu/gari</i>	<i>ɸo</i>	<i>keba-kiri-wa</i>
WARITAI	---	<i>ro</i>	---	<i>kebai-wa</i>
KAI	---	<i>a-to</i>	---	<i>iri-wa</i>
BIRITAI	<i>a-u[^]de</i>	<i>a-to (foot)</i> <i>a-hai (thigh)</i>	---	<i>haidəka</i>
OBOKUITAI	<i>a-kude</i>	<i>a-hig⁷ (thigh)</i>	<i>kueig⁷</i>	<i>asiadu</i>
ERITAI	---	<i>o-to (foot)</i>	---	<i>esaioruku</i>
SIKARITAI	---	<i>a-to (foot)</i>	---	<i>jisakidoa</i>
KAURE	<i>phue</i>	<i>duε</i>	<i>kahakgiud</i>	<i>ya?</i>
BAUZI	<i>aleho</i>	<i>nao</i>	<i>deda</i>	<i>gaile</i>
BERIK	---	<i>tof</i>	---	<i>bwera</i>
ORYA	<i>en</i>	<i>tana</i>	<i>hana gwen</i>	<i>sang-sang-na</i>
DANI	<i>ogogun</i>	<i>iyok</i>	<i>piirik</i>	<i>andi</i>
DEMISA	<i>imβapa</i>	<i>naro</i>	<i>nədedaha</i>	<i>hateha</i>

Language	29. water	30. lake	31. river	32. flow
SAPONI	<i>nɛ̄-ɛ</i>	<i>ɛrɛ-je</i>	<i>ne-waīo-ɪɛ</i>	<i>ne-kēiwo</i>
RASAWA	<i>de:-ye</i>	<i>de-keri:-ye</i>	<i>de:-deke</i>	<i>soro:yəβo</i>
AWERA	<i>næ-ɪɛ</i>	<i>tuwoβo</i>	<i>surukoβa</i>	<i>takra:dio</i>
WEIRATE	<i>ira</i>	<i>ira-waɸe</i>	<i>kabra</i>	---
DEIRATE	<i>ira</i>	<i>ira</i>	<i>ira</i>	---
TAUSE	<i>era</i>	---	<i>kijβo</i>	---
SEHUDATE	<i>di</i>	<i>di</i>	<i>di</i>	<i>jau</i> (see ‘go’)
FAYU	<i>di</i>	<i>daure</i>	<i>di</i>	---
FAIA	<i>ira</i>	<i>ira</i>	<i>iyate</i>	---
KIRIKIRI	<i>na</i>	<i>dɔɸu</i>	<i>dɔɸu</i>	<i>kia</i>
EDOPI	<i>ida</i>	<i>duhu</i>	<i>ida</i>	<i>bejai</i>
IAU	<i>e</i>	<i>e-dao</i>	<i>e</i>	---
DUVLE	<i>dæ ~ dɛ</i>	<i>dæ korua</i>	<i>dɛ</i>	<i>suoro</i>
DOUTAI	<i>wari</i>	<i>korua</i>	<i>wari</i>	---
WARITAI	<i>wari</i>	<i>kruwa</i>	<i>wari</i>	---
KAI	<i>waro</i>	<i>korua</i>	<i>awai</i>	---
BIRITAI	<i>bau</i>	<i>akua</i>	<i>aso</i>	---
OBOKUTTAI	<i>arig⁷</i>	<i>kwahare</i>	<i>arig⁷</i>	---
ERITAI	<i>sia</i>	<i>kore</i>	<i>sia</i>	---
SIKARITAI	<i>wa</i>	<i>kore</i>	<i>wetai</i>	---
KAURE	<i>biq</i>	<i>bihuig</i>	<i>bikropi/simbar</i>	<i>yakə?</i>
BAUZI	<i>vao</i>	<i>ita</i>	<i>vao aada</i>	<i>tæ</i>
BERIK	<i>fo</i>	<i>fo boga</i>	<i>fo</i>	---
ORYA	<i>ho</i>	<i>ho gutu</i>	<i>weya</i>	<i>tinen</i>
DANI	<i>niyo</i>	<i>yiyenggenak</i>	<i>yi naga</i>	<i>yi wuke</i>
DEMISA	<i>wote</i>	<i>wobəlimasa</i>	---	---

Language	33. sand	34. wet	35. sea	36. salt
SAPONI	<i>kewi-re</i>	<i>nufe-je</i>	<i>neiwe-je</i>	<i>ka^uwe-je</i>
RASAWA	<i>keβi</i>	<i>du;βi-ye</i>	<i>i:-ye</i>	<i>bokaiβe</i>
AWERA	<i>neya</i>	<i>paya:dida</i>	<i>mæ</i>	<i>sieβe</i>
WEIRATE	<i>jase</i>	<i>kawa</i>	---	---
DEIRATE	<i>jase</i>	<i>ira kaba-boru</i>	---	---
TAUSE	---	<i>kaba</i>	---	---
SEHUDATE	<i>kwe?</i>	---	---	---
FAYU	---	---	---	---
FAIA	<i>kari</i>	---	---	---
KIRIKIRI	<i>kari</i>	<i>wawe</i>	---	<i>baiyu</i> (Dani)
EDOPI	<i>o</i>	<i>bidēbei</i>	---	<i>baiyu</i> (Dani)
IAU	<i>o</i>	<i>be-be</i>	---	<i>bai^u</i> (Dani)
DUVLE	<i>zo</i>	<i>dε tiyi</i>	---	---
DOUTAI	<i>do</i>	<i>t⁷gi</i>	---	<i>gara</i> (Indo.)
WARITAI	<i>do</i>	<i>kei^</i>	---	<i>gara</i> (Indo.)
KAI	<i>oreki^</i>	<i>kwei^</i>	---	<i>gara</i> (Indo.)
BIRITAI	<i>do</i>	<i>kai^</i>	---	---
OBOKUITAI	<i>do</i>	<i>kueig⁷</i>	---	<i>kara</i> (Indo.)
ERITAI	<i>so</i>	<i>kwewayi</i>	---	---
SIKARITAI	<i>oreta</i>	<i>sgiako</i>	---	---
KAURE	<i>birse</i>	<i>tembar</i>	<i>poxle</i>	<i>poxle</i>
BAUZI	<i>keβe</i>	<i>eksobut</i>	---	---
BERIK	<i>dwis</i>	<i>titi-ni</i>	<i>fi</i>	<i>fi</i>
ORYA	<i>hisglim</i>	<i>bitris-ni</i>	<i>hi</i>	<i>hi</i>
DANI	<i>mbini</i>	<i>miin</i>	<i>yi nggwok</i> <i>yenggenak</i>	<i>mayu</i>
DEMISA	<i>itəra</i>	<i>babetše</i>	---	---

Language	37. fire	38. cook	39. ash	40. smoke
SAPONI	<i>ta-ɾε</i>	<i>wara^u</i>	<i>ha-ɾε</i>	<i>ta-waiⁱε</i>
RASAWA	<i>tayo</i>	<i>tuβokaβo</i>	<i>tako</i>	<i>uxaiyo</i>
AWERA	<i>na:ru</i>	<i>pai:yo</i>	<i>na:re</i>	<i>o:βu</i>
WEIRATE	<i>kaye</i>	<i>ɸije</i>	<i>oɸa-yei</i>	<i>kayi-kasa</i>
DEIRATE	<i>kaji</i>	<i>ɸido</i>	<i>oɸa-kai</i>	<i>kai-kase</i>
TAUSE	<i>kai^i</i>	<i>beɸoyau</i>	<i>oɸo-xai</i>	<i>kai^i-kasa</i>
SEHUDATE	<i>kwε</i>	<i>ido</i>	<i>adi</i> (ember)	---
FAYU	<i>kwε</i>	---	<i>aha</i>	<i>yɔ-yai</i>
FAIA	<i>kwε</i>	<i>kwε-yε</i>	<i>uri</i> (ember)	<i>koi</i>
KIRIKIRI	<i>kwε</i>	<i>kwε-ya</i>	<i>uri</i> (ember)	<i>kai</i>
EDOPI	<i>bε</i>	<i>beye</i>	<i>bε-ora</i>	<i>bε-bie</i>
IAU	<i>bε</i>	<i>bae</i>	<i>a</i>	<i>bε-bi</i>
DUVLE	<i>bo</i>	<i>pi</i>	<i>bo daba</i>	<i>bo kasi</i>
DOUTAI	<i>kwɪε</i>	<i>pou-wa</i>	<i>owi</i>	<i>kwɪε-ki^</i>
WARITAI	<i>kwε</i>	<i>pgou-wa</i>	<i>kasi^</i>	<i>kwε-ki^</i>
KAI	<i>so</i>	<i>soɸεi-wa</i>	<i>kasi</i>	<i>so-kwagai</i>
BIRITAI	<i>ke</i>	<i>ke-dika</i>	<i>kecoi</i>	<i>ke-ai</i>
OBOKUITAI	<i>kwε</i>	<i>hoig[~]-kwa</i>	<i>kesi</i>	<i>kwa-kai</i>
ERITAI	<i>kure</i>	<i>hoiku</i>	<i>kasi</i>	<i>kura-kai</i>
SIKARITAI	<i>kurε</i>	<i>huegwa</i>	<i>kasig[~]</i>	<i>kura-kad^r</i>
KAURE	<i>sa?</i>	<i>hambadi</i>	<i>sendai</i>	<i>sapung</i>
BAUZI	<i>vua</i>	<i>ɔhu</i>	<i>ɔhu fau</i>	<i>vua ahubu</i>
BERIK	<i>tokwa</i>	<i>gwalana</i>	<i>son</i>	<i>nunggwan</i>
ORYA	<i>syauk</i>	<i>taɪlbɪŋɪn</i>	<i>son</i>	<i>but</i>
DANI	<i>kani</i>	<i>kani nengge</i>	<i>wun awi</i>	<i>kaluk</i>
DEMISA	<i>gwa</i>	<i>ŋgwawahu</i>	<i>uyu?u</i> <i>mendarak</i>	<i>uywo</i>

Language	41. stone	42. heavy	43. slick	44. one
SAPONI	<i>pa-ɾε</i>	<i>u-fε-jε</i>	<i>wε-fε-je</i>	<i>kiri-pε-jε</i>
RASAWA	<i>pa</i>	<i>u-βie</i>	<i>tufi-βie</i>	<i>kri-βi</i>
AWERA	<i>ta:ru</i>	<i>piwi-re</i>	<i>to:ru-βe</i>	<i>pri-ya</i>
WEIRATE	<i>kue</i>	<i>debri</i>	---	<i>irayε</i>
DEIRATE	<i>kwei</i>	<i>dei</i>	<i>kakwe</i>	<i>idaka</i>
TAUSE	<i>kwe</i>	<i>dεβri</i>	<i>kadere</i>	<i>edaxe</i>
SEHUDATE	<i>ɸai</i>	---	---	<i>baha</i>
FAYU	<i>ɸai</i>	---	---	<i>baha</i>
FAIA	<i>hai</i>	<i>towao</i>	---	<i>kode</i>
KIRIKIRI	<i>ɸai/kui^a</i>	<i>fadau-we</i>	<i>mau-we</i>	<i>suo-we</i>
EDOPI	<i>bihɔ/horo</i>	<i>hi-bai</i>	<i>edi-bai</i>	<i>busu-we</i>
IAU	<i>ɸeki</i>	<i>i-be</i>	<i>tai-be</i>	<i>bisi-be</i>
DUVLE	<i>pæxi</i>	<i>vɪrε</i>	<i>æbræ</i>	<i>soyo^-ε</i>
DOUTAI	<i>wi^</i>	<i>dεpej^</i>	<i>εbrε</i>	<i>keiki</i>
WARITAI	<i>wi^</i>	<i>dεφεj^</i>	<i>bai</i>	<i>keiki</i>
KAI	<i>wi^</i>	<i>ako^udεφri</i>	<i>abai^i-wa</i>	<i>keisutigi</i>
BIRITAI	<i>bi^</i>	<i>arahi^</i>	<i>auhi^e</i>	<i>eyajəka</i>
OBOKUITAI	<i>kwig^</i>	<i>aɾεhriɡ^</i>	<i>asahrid^</i>	<i>kore-kekaig^</i>
ERITAI	<i>wi</i>	<i>hieiokwε</i>	<i>esare</i>	<i>sosokoi</i>
SIKARITAI	<i>wid^</i>	<i>dopia</i>	<i>ak'gig'jua</i>	<i>k'gig^</i>
KAURE	<i>tesi</i>	<i>dija?</i>	<i>seple</i>	<i>kauxja?</i>
BAUZI	<i>kε</i>	<i>asimde</i>	<i>gehabat</i>	<i>væmtεa</i>
BERIK	<i>tib</i>	<i>daren-dar-na</i>	<i>alende-na</i>	<i>dænfe-na</i>
ORYA	<i>kasο</i>	<i>dohon-na</i>	<i>bwæbwep-na</i>	<i>ahaen</i>
DANI	<i>yugum</i>	<i>aninggañin</i>	<i>eraabim</i>	<i>ambit</i>
DEMISA	<i>edu</i>	<i>asemi</i>	---	<i>natudüe</i>

Language	45. two	46. three	47. four	48. five
SAPONI	<i>kɔserɛ̄</i>	<i>niriwo</i>	<i>naware</i>	<i>naware</i>
RASAWA	<i>wɔri</i>	<i>drijβɔ</i>	<i>tuβaβo</i>	<i>naβaβo</i>
AWERA	<i>kuruko</i>	<i>nigri</i>	<i>na:rua</i>	<i>neri:pu</i>
WEIRATE	<i>φiro</i>	<i>φirogayε</i>	<i>φiroφiro</i>	<i>adaφadekwade</i>
DEIRATE	<i>φiro</i>	<i>fariti</i>	<i>dai</i>	<i>dai</i>
TAUSE	<i>φiro</i>	<i>φiroedaxe</i>	<i>φiroφiro</i>	<i>dai^i</i>
SEHUDATE	<i>bure</i>	<i>üru</i>	<i>nahai</i>	<i>nahai</i>
FAYU	<i>bure</i>	<i>uru</i>	---	<i>atahara</i>
FAIA	<i>ɔro-we</i>	<i>kurake-βe</i>	<i>kurake-βe</i>	<i>kurake-βe</i>
KIRIKIRI	<i>ɔro-we</i>	<i>dluo-we</i>	<i>ɸaru</i>	<i>ɸaru</i>
EDOPI	<i>borə-beyi</i>	<i>hɔi-beyi</i>	<i>hɔi-beyi</i>	<i>ahuru-beyi</i>
IAU	<i>bɔ</i>	<i>baui</i>	<i>bɔ-hai bɔ-hai</i>	<i>oi aisitoedε</i>
DUVLE	<i>tε̄'e</i>	<i>zuo</i>	<i>tε̄'e ba tε̄'e</i> <i>bra</i>	<i>zuo bia tē'e</i> <i>bra</i>
DOUTAI	<i>tiba</i>	<i>tibaka kεika</i>	<i>kabresa tiba</i> <i>kabresa tiba</i>	<i>gai^ sagari</i>
WARITAI	<i>bria</i>	<i>briaka kεika</i>	<i>briaka briaka</i>	<i>ei^dakεi</i> <i>ɸrewi^ti</i>
KAI	<i>betia</i>	<i>betia keisoka</i>	<i>kabaka betia</i> <i>kabaka betia</i>	<i>siri^ko</i>
BIRITAI	<i>tia</i>	<i>sidi^</i>	<i>atoti^ai</i>	<i>atoti^ai</i>
OBOKUITAI	<i>tio</i>	<i>sri</i>	<i>tiokatioka</i>	
ERITAI	<i>tihai</i>	<i>sirihai</i>	<i>tihaika tihaika</i>	4+1
SIKARITAI	<i>betia</i>	<i>betiakaked</i>	<i>betiakabetiaka</i>	4+1
KAURE	<i>trapli</i>	<i>traplisutu</i>	<i>trapli traplit</i>	2+3
BAUZI	<i>behæsu</i>	<i>lætela</i>	<i>ahia</i>	<i>auɔhole</i>
BERIK	<i>nawra</i>	<i>naruningna</i>	<i>naunaura</i>	<i>tafnaguri</i>
ORYA	<i>dandan</i>	<i>danahan</i>	<i>dannër dannër</i>	<i>ahaeretahatap</i>
DANI	<i>mbere</i>	<i>kenagan</i>	<i>i'mbere mbere</i>	<i>linggitogon</i>
DEMISA	<i>utahu</i>	<i>mudautamudua</i>	<i>natəra</i>	

Language	49. many	50. few	51. all	52. land
SAPONI	<i>pεfɔγε</i>	<i>nite'yola</i>	<i>fotire</i>	<i>kire</i>
RASAWA	<i>piye</i>	<i>agubri</i>	<i>ɔbiye</i>	<i>gi</i>
AWERA	<i>oβe:dida</i>	<i>perekobu</i>	<i>owo:βuβæ</i>	<i>peri</i>
WEIRATE	<i>aka-fare-kware</i>	---	<i>kai^i</i>	<i>ka</i>
DEIRATE	<i>fare</i>	<i>iraka</i>	<i>dai</i>	<i>ka</i>
TAUSE	<i>dai^i</i>	---	<i>ɸara</i>	<i>ka</i>
SEHUDATE	<i>nahai</i>	---	---	<i>uta</i>
FAYU	<i>guti</i>	---	---	<i>ata/ura</i>
FAIA	<i>kurakeβe</i>	---	---	<i>hna</i>
KIRIKIRI	<i>ɸaru</i>	<i>sokole</i>	<i>ɔria</i>	<i>ɸla</i>
EDOPI	<i>ədiabei</i>	<i>hiabiai</i>	<i>ahurubeyi</i>	<i>kua</i>
IAU	<i>kadi</i>	<i>kodu</i>	<i>ɸahu</i>	<i>a</i>
DUVLE	<i>bæ'rovre</i>	<i>obyo^uka</i>	<i>fŷare</i>	<i>pia</i>
DOUTAI	<i>sigiti^ori</i>	---	<i>bariori</i>	<i>pra</i>
WARITAI	<i>diapori</i>	---	<i>ɸreori</i>	<i>seri</i>
KAI	<i>siri^ko</i>	---	<i>ahare</i>	<i>i^je</i>
BIRITAI	<i>di^aya</i>	<i>adice</i>	<i>sudi^aya</i>	<i>ha</i>
OBOKUITAI	<i>hebeia</i>	<i>oso-kode</i>	<i>hire-akweig'ja</i>	<i>hra/ɸra</i>
ERITAI	---	---	<i>hirokweja</i>	<i>yepra</i>
SIKARITAI	---	---	<i>awedsa</i>	<i>ig^je</i>
KAURE	<i>kɔsü</i>	<i>tauaholein</i>	<i>kɔsü</i>	<i>i?</i>
BAUZI	<i>duat</i>	<i>kœt</i>	<i>ahebu</i>	<i>bake</i>
BERIK	---	---	<i>seæften</i>	<i>o</i>
ORYA	<i>beya-na</i>	<i>dan en</i>	<i>kitak/tüngan</i>	<i>kama</i>
DANI	<i>apit</i>	<i>mbereluk</i>	<i>tigitongan</i>	<i>nggween</i>
DEMISA	<i>dama dəra</i>	---	---	<i>bæi</i>

Language	53. dust	54. path	55. narrow	56. wide
SAPONI	<i>iɔre</i>	<i>makirawo</i>	<i>puti-re</i>	<i>warafuwo</i>
RASAWA	<i>piro</i>	<i>we</i>	<i>orokaβi</i>	<i>uruφuyo</i>
AWERA	---	<i>rjβi</i>	<i>kakore</i>	<i>wara</i>
WEIRATE	---	<i>kwakla</i>	<i>kodoφaka</i>	<i>weφe</i>
DEIRATE	<i>ka</i>	<i>kwaka</i>	---	---
TAUSE	---	<i>kari</i>	<i>kaβare</i>	<i>kwidare</i>
SEHUDATE	---	<i>ari</i>	<i>ja</i>	<i>kuti</i>
FAYU	---	<i>ɔhri/eha</i>	---	<i>kuehi</i>
FAIA	---	<i>kwari</i>	<i>koko-βei</i>	<i>hejβeiⁱyo</i>
KIRIKIRI	---	<i>kwari</i>	---	---
EDOPI	<i>sua</i>	<i>kara</i>	<i>hau-wei</i>	<i>tetɔradi</i>
IAU	<i>a sibi</i>	<i>bε</i>	<i>ɸa-bε</i>	<i>tau-hi-bε</i>
DUVLE	---	<i>ioyɔ' a</i>	<i>fou kaa</i>	<i>ɔrifua</i>
DOUTAI	---	<i>kwai gra</i>	<i>sebare</i>	<i>sa</i>
WARITAI	---	<i>kwai dari</i>	<i>seberε</i>	<i>darisa</i>
KAI	---	<i>bisawεi[^]</i>	<i>abiɸo</i>	<i>tibipi</i>
BIRITAI	<i>duatu[^]</i>	<i>kai</i>	<i>hau[^]</i>	<i>evoke</i>
OBOKUITAI	<i>tibi</i>	<i>kuei</i>	---	---
ERITAI	---	<i>kweyokwei</i>	<i>etihaki</i>	<i>sasoku</i>
SIKARITAI	---	<i>kwadak</i>	<i>atigjaahahu</i>	<i>sgapia</i>
KAURE	<i>pɔngpula</i>	<i>syalü</i>	<i>koketə</i>	<i>kahuitehε</i>
BAUZI	<i>bak fau</i>	<i>zie</i>	<i>ba koeda</i>	<i>ba duat</i>
BERIK	---	<i>nel</i>	<i>olosu</i>	<i>fefene</i>
ORYA	<i>son</i>	<i>ora</i>	<i>klakat-na</i>	<i>dakdak-na</i>
DANI	<i>liirubu</i>	<i>tu</i>	<i>yagapit</i>	<i>nggwok</i>
DEMISA	---	<i>dɔ</i>	<i>bidado</i>	---

Language	57. mountain	58. cloud	59. rain	60. sky
SAPONI	<i>irie</i>	<i>towačo</i>	<i>kɔiε</i>	<i>aware</i>
RASAWA	<i>iri</i>	<i>ka:yο</i>	<i>utuyo</i>	<i>duβuru</i>
AWERA	<i>poeræ</i>	<i>βiarowau</i>	<i>kwei</i>	<i>moroko;βu</i>
WEIRATE	<i>kaji</i>	<i>kweja?</i>	<i>kulia</i>	---
DEIRATE	<i>ahwa</i>	<i>taru-kwa</i>	<i>kwia</i>	---
TAUSE	<i>kati</i>	<i>kwe</i>	<i>kria</i>	<i>kri</i>
SEHUDATE	<i>iri</i>	<i>tetai</i>	<i>i</i>	<i>iasa</i>
FAYU	<i>iri</i>	<i>tetai</i>	<i>i</i>	---
FAIA	<i>kərie</i>	---	<i>wi</i>	<i>da:-βi</i>
KIRIKIRI	<i>kərie</i>	<i>ɸira</i>	<i>wi</i>	<i>na-βonei</i>
EDOPI	<i>dala</i>	<i>da-tai</i>	<i>bi</i>	<i>da:</i>
IAU	<i>da</i>	<i>la-bi</i>	<i>bi^</i>	<i>la</i>
DUVLE	<i>æbæri</i>	<i>kasi</i>	<i>fæ'ɑ</i>	<i>tarəyo'</i>
DOUTAI	<i>beri</i>	<i>kəiso</i>	<i>wari beriji-wa</i>	<i>takia</i>
WARITAI	<i>i^doku</i>	<i>keiso</i>	<i>wari sei-wa</i>	<i>takia</i>
KAI	<i>i^sei^</i>	<i>kaiso</i>	<i>waro sei-wa</i>	<i>takai</i>
BIRITAI	<i>ahedi</i>	<i>ai^</i>	<i>i</i>	<i>ai^</i>
OBOKUITAI	<i>iseig'</i>	<i>korub'</i>	<i>sebeig'</i>	<i>tebarig'</i>
ERITAI	<i>kebi/iseid</i>	<i>koru</i>	<i>sebei</i>	<i>takia</i>
SIKARITAI	<i>awedta</i>	<i>taki kwakid</i>	<i>wa priwa</i>	<i>taki</i>
KAURE	<i>ehui</i>	<i>kete</i>	<i>dei</i>	<i>lebü</i>
BAUZI	<i>bitæha</i>	<i>ulo</i>	<i>aba</i>	<i>asum</i>
BERIK	<i>tæren</i>	<i>anis</i>	<i>aro</i>	<i>winis</i>
ORYA	<i>kwatap</i>	<i>but/ogom</i>	<i>o</i>	<i>ngli'</i>
DANI	<i>puurom</i>	<i>ndugwi</i>	<i>mayu</i>	<i>mbogut</i>
DEMISA	<i>nohuda</i>	---	<i>aboi</i>	<i>asunawa</i>

Language	61. fog	62. wind	63. hot	64. cold
SAPONI	<i>jakayawo</i>	<i>iware</i> (sky?)	<i>ku-reiε</i>	<i>kipera-rei</i>
RASAWA	---	<i>bura:yo</i>	<i>waφi-ye</i>	<i>tu;βi-ye</i>
AWERA	<i>oroβo:βu</i>	<i>iβa:βo</i>	<i>ka:-ræ</i>	<i>nou-βe</i>
WEIRATE	<i>kuriaye</i>	<i>aurikawa</i>	<i>φaira-de</i>	<i>ariaro</i>
DEIRATE	---	<i>akwi</i>	<i>danu</i>	<i>ajanu</i>
TAUSE	---	<i>auywəri</i>	<i>erare</i>	<i>araxore</i>
SEHUDATE	---	<i>ihauda</i>	---	<i>dɔrio</i>
FAYU	<i>ɸitiesa</i>	<i>ehasa</i>	<i>kwersa</i>	<i>dɔrio</i>
FAIA	---	<i>kwaβi</i>	<i>ɛyekwao</i>	<i>edekemao</i>
KIRIKIRI	---	<i>kwaβi</i>	<i>kwe-towe</i>	<i>ɸuya</i>
EDOPI	<i>oibegi?</i>	<i>ha:u</i>	<i>didai</i>	<i>tawai</i>
IAU	<i>latae</i>	<i>ɸo</i>	<i>di-be</i>	<i>tau-be</i>
DUVLE	---	<i>kisari</i>	<i>bokari</i>	<i>oriei</i>
DOUTAI	<i>keiso</i>	<i>ki^sari/wrebi</i>	<i>kwre-pru</i>	<i>gakwei</i>
WARITAI	<i>keiso</i>	<i>wereki^</i>	<i>kweki paga</i>	<i>dekei</i>
KAI	<i>kaiso</i>	<i>i^jahari</i>	<i>soφru</i>	<i>akakwei</i>
BIRITAI	<i>autau?</i>	<i>asa</i>	<i>akedi</i>	<i>edu^dua</i>
OBOKUITAI	<i>korub^-haid-ko</i> <i>kwai</i>	<i>asa-kweig^</i>	<i>asa-kwri</i>	<i>akauho</i>
ERITAI	<i>kuoriku</i>	<i>esa</i>	<i>esari</i>	<i>ahau</i>
SIKARITAI	<i>towodko</i>	<i>igje aud</i>	<i>kuraka</i>	<i>elewed</i>
KAURE	<i>hwagida</i>	<i>aprin</i>	<i>saplik</i>	<i>kepuiq</i>
BAUZI	<i>ulɔ</i>	<i>nutabe</i>	<i>gaimεot</i>	<i>nutabet</i>
BERIK	<i>gar</i>	<i>nindai</i>	<i>kakala</i>	<i>wisime</i>
ORYA	<i>ogom</i>	<i>asese</i>	<i>salsal-a</i>	<i>sasa-na</i>
DANI	<i>o apit</i>	<i>wiya</i>	<i>aganggen</i>	<i>togwi</i>
DEMISA	---	<i>bura</i>	<i>gaiheha</i>	<i>nutəha</i>

Language	65. thunder	66. lightning	67. staff	68. straight
SAPONI	<i>towa'iɔrε</i>	<i>ta'urɔrε</i>	<i>kura'iε</i>	<i>mure</i>
RASAWA	<i>diwei</i>	<i>pereperekabø</i>	<i>kura</i>	<i>pie:no</i>
AWERA	<i>pekeri:køβø</i>	<i>pærækø</i>	<i>waka</i>	<i>møbi:æβi</i>
WEIRATE	<i>kluaro</i>	---	<i>kuru</i>	---
DEIRATE	<i>saka</i>	---	<i>u</i>	<i>kwidaka</i>
TAUSE	<i>kria kruwaro</i>	<i>ayarazudo</i>	---	<i>ɸetide</i>
SEHUDATE	<i>nata</i>	---	<i>dejɔ</i>	---
FAYU	<i>eha</i>	---	---	---
FAIA	<i>na-klua</i>	---	<i>hia</i>	---
KIRIKIRI	<i>na-dia</i>	<i>na-aba-sia</i>	<i>phia</i>	<i>touia</i>
EDOPI	<i>dai-dai</i>	<i>la-uda-huda</i>	---	<i>todə-beyi</i>
IAU	<i>la-e-a</i>	<i>la-kaba</i>	<i>u</i>	<i>ɸo-taui-be</i>
DUVLE	<i>fæ'a baruoro</i>	<i>tai za'uoro</i>	---	<i>a'i kara vre</i>
DOUTAI	<i>waru sudu-wa/</i>	<i>deribi^i-wa</i>	<i>ku^da</i>	<i>tobuse</i>
WARITAI	<i>wari sudu-wa</i>	<i>frukotegiri-wa</i>	<i>kitε</i>	<i>tute</i>
KAI	<i>waro ku^ju-wa</i>	<i>brarukru^iwa</i>	<i>ku^su</i>	<i>tibipi</i>
BIRITAI	<i>di^ade</i>	<i>turugəga</i>	<i>teau^</i>	<i>ikiayε</i>
OBOKUITAI	<i>arig'-sudokwa</i>	<i>subteri-kwikua</i>	<i>kud'</i>	<i>ibikure</i>
ERITAI	<i>sia uroku</i>	<i>breya kuriku</i>	<i>ku otukwa</i>	<i>ibihweikure</i>
SIKARITAI	<i>kug'jewa</i>	<i>brakru-wa</i>	<i>ba ig'kopu</i>	<i>ug'kwakwe</i>
KAURE	<i>dəgi</i>	<i>nalainhoi</i>	<i>pokəlu</i>	<i>kani</i>
BAUZI	<i>asum meøfa</i>	<i>asum boz vele</i>	<i>ədoamso</i>	<i>vamdesu</i>
BERIK	<i>iris</i>	<i>iris naf</i>	<i>dum ti</i>	<i>nor noro</i>
ORYA	<i>nglii-glung</i>	<i>ngliang</i>	<i>dute</i>	<i>damdam-na</i>
DANI	<i>onggurubu</i>	<i>o yabok</i>	<i>kuwa</i>	<i>mot-mot</i>
DEMISA	<i>itse betëra</i>	<i>ije emera</i>	<i>utëto ɔdesia</i>	<i>donatana</i>

Language	69. thick	70. thin	71. sharp	72. dull
SAPONI	<i>iwe-fe-je</i>	<i>eja-fe-je</i>	<i>ɛ-ɪɛ̇</i>	<i>pa^u-fe-ɪɛ̇</i>
RASAWA	<i>iβiβu</i>	<i>arianu</i>	<i>e:nū</i>	<i>baoɸi</i>
AWERA	<i>ro:dida</i>	<i>piræβi</i>	<i>kɔβi:ri</i>	<i>pʊβe</i>
WEIRATE	---	---	---	---
DEIRATE	<i>kweɸε</i> (big)	<i>kaɸε</i> (small)	<i>aja</i>	---
TAUSE	---	---	<i>atia</i>	<i>sure</i>
SEHUDATE	---	---	<i>kwɔhɔna</i>	---
FAYU	---	<i>baha</i>	<i>ɔhra</i>	<i>ɔhü</i>
FAIA	---	---	---	---
KIRIKIRI	---	---	---	<i>mayu-we</i>
EDOPI	<i>ahaude-beyi</i>	<i>ɔra-beyi</i>	<i>ɔdawa-beyi</i>	<i>ma-wei</i>
IAU	<i>mabo-be</i>	<i>ɸiese-be</i>	<i>ma-be</i>	<i>bo-be</i>
DUVLE	---	---	<i>ibre</i>	<i>o^uku</i>
DOUTAI	<i>teipo</i>	<i>sabare</i>	<i>pru</i>	<i>ouku^</i>
WARITAI	<i>teiɸo</i>	<i>səberε</i>	<i>ɸga</i>	<i>ouku^</i>
KAI	<i>ataipo</i>	<i>atibiso</i>	<i>ɸru</i>	<i>abitu</i>
BIRITAI	<i>hu^</i>	<i>hau</i>	<i>huayε</i>	<i>ü</i>
OBOKUITAI	<i>abig'ho</i>	<i>sebeso</i>	<i>huru</i>	<i>abitu</i>
ERITAI	<i>ehihetε</i>	<i>sebaki</i>	<i>huru</i>	<i>ehride</i>
SIKARITAI	<i>ahota</i> <i>kig'jokwako</i>	<i>sebekio-kwε</i>	<i>huriε-kwε</i>	<i>apu'd</i>
KAURE	<i>kapi</i>	<i>ləmbe</i>	<i>kahia</i>	<i>hotoi</i>
BAUZI	<i>tamzəbut</i>	<i>bibat</i>	<i>eimeot</i>	<i>zait</i>
BERIK	<i>irfi</i>	<i>furfera</i>	<i>binbini</i>	<i>kubana</i>
ORYA	<i>minining-ni</i>	<i>bəbek-na</i>	<i>benbenna</i>	<i>toptopna</i>
DANI	<i>nggwok</i>	<i>pe?ler</i>	<i>eerakambik</i>	<i>errak lek</i>
DEMISA	---	---	---	---

Language	73. sun	74. midday	75. night	76. moon
SAPONI	<i>a'gorεi</i>	<i>ariyaβɔ</i>	<i>jakayaβε</i>	<i>marie</i>
RASAWA	<i>kuri</i>	<i>i:xa</i>	<i>kigaxaβo</i>	<i>bariya</i>
AWERA	<i>tigyaβɔ</i>	<i>narubwɔræ</i>	<i>perukwa;βæ</i>	<i>ri;βɔ</i>
WEIRATE	<i>sɔ</i>	---	<i>oφre</i>	<i>sɔ</i>
DEIRATE	<i>sɔ</i>	<i>sakaseno</i>	<i>əφanu</i>	<i>sɔ</i>
TAUSE	<i>so</i>	<i>ure</i>	<i>oβra</i>	<i>so</i>
SEHUDATE	<i>kwai</i>	---	<i>kahayo</i>	<i>kwai</i>
FAYU	<i>kuai</i>	---	<i>kahu</i>	<i>aua</i>
FAIA	<i>to</i>	---	<i>na-kobao</i>	<i>to</i>
KIRIKIRI	<i>to</i>	---	<i>kla-yo</i>	<i>to</i>
EDOPI	<i>su</i>	<i>baladeli</i>	<i>da-hala-beyi</i>	<i>su</i>
IAU	<i>bai^</i>	<i>ətu-be</i>	<i>da-haide</i>	<i>bai^ daki</i>
DUVLE	<i>væ^r</i>	<i>væ^rɪl de'se</i>	<i>iayakori</i>	<i>vrisa</i>
DOUTAI	<i>koru</i>	<i>korusokio</i>	<i>su^jaki^</i>	<i>saro</i>
WARITAI	<i>kiy</i>	<i>kitoko</i>	<i>wiφogo</i>	<i>so</i>
KAI	<i>dori</i>	<i>dorusoko</i>	<i>i^jeki^jewa</i>	<i>saro</i>
BIRITAI	<i>so</i>	<i>soto</i>	<i>sui</i>	<i>so</i>
OBOKUITAI	<i>so</i>	<i>sotoko</i>	<i>sukwig^</i>	<i>so</i>
ERITAI	<i>so</i>	<i>sotro</i>	<i>yaki</i>	<i>so</i>
SIKARITAI	<i>seja</i>	<i>sejato</i>	<i>i^jekig^</i>	<i>awedta</i>
KAURE	<i>hari</i>	<i>pei</i>	<i>kling</i>	<i>poka</i>
BAUZI	<i>ala</i>	<i>ala tomale</i>	<i>disi</i>	<i>ala</i>
BERIK	<i>gwer</i>	<i>gwerem</i>	<i>gwinem</i>	<i>muar</i>
ORYA	<i>yakla</i>	<i>gwəram</i>	<i>kam</i>	<i>ben</i>
DANI	<i>oonegen</i>	<i>liingge</i>	<i>o yumak</i>	<i>tut</i>
DEMISA	<i>aro</i>	<i>bægetə</i>	<i>jetohaida</i>	<i>aro</i>

Language	77. star	78. banana	79. garden	80. grass
SAPONI	<i>tarure</i>	<i>pɔ̄iε</i>	<i>ijore</i>	<i>esore</i>
RASAWA	<i>koroβia</i>	<i>kwaβe</i>	<i>iyo/wiyo</i>	<i>asika:φeβu</i>
AWERA	<i>teβia</i>	<i>kiri</i>	<i>kwo</i>	<i>u:</i>
WEIRATE	<i>ta^u</i>	<i>kli</i>	<i>u</i>	<i>kəriaso</i>
DEIRATE	<i>ta^u</i>	<i>kiφiro</i>	<i>φisa</i>	<i>ukwe</i>
TAUSE	<i>tau</i>	<i>kri</i>	<i>ka truaro</i>	<i>sayaφa</i>
SEHUDATE	---	<i>mboi</i>	---	<i>saya</i>
FAYU	<i>tehayai</i>	<i>boi</i>	---	<i>sa</i>
FAIA	<i>hora</i>	<i>kli</i>	---	<i>ho</i>
KIRIKIRI	<i>φora</i>	<i>kli/kliboi</i>	---	<i>φo</i>
EDOPI	<i>tatala</i>	<i>kiri</i>	<i>uki</i>	<i>ho</i>
IAU	<i>tata</i>	<i>øε</i>	<i>u ae</i>	<i>φui</i>
DUVLE	<i>wisu</i>	<i>kri</i>	<i>kida</i>	<i>zikara</i>
DOUTAI	<i>wi^su^</i>	<i>kri^</i>	<i>ku^pu^ari</i>	<i>du^</i>
WARITAI	<i>wite</i>	<i>kri^</i>	<i>ku^b^guti</i>	<i>ru^</i>
KAI	<i>wisu^</i>	<i>kou^u</i>	<i>ku^puyari</i>	<i>buru</i>
BIRITAI	<i>doiso</i>	<i>au</i>	<i>aukuade</i>	<i>sarudu</i>
OBOKUITAI	<i>takahu</i>	<i>koub^u</i>	<i>eig'sehub^u</i>	<i>serurub^u</i>
ERITAI	<i>takahu</i>	<i>kou</i>	<i>yete</i>	<i>buru</i>
SIKARITAI	<i>kigpog</i>	<i>kid</i>	<i>kughugja</i>	<i>bid</i>
KAURE	<i>matupaple</i>	<i>təpe</i>	<i>təmbli</i>	<i>plouwang</i>
BAUZI	<i>fako</i>	<i>fem</i>	<i>utoho</i>	<i>sibe</i>
BERIK	<i>mato</i>	<i>gwil</i>	<i>makana</i>	<i>kaktar</i>
ORYA	<i>keis</i>	<i>gwaha</i>	<i>nga</i>	<i>so/blas</i>
DANI	<i>laluguragan</i>	<i>lawi</i>	<i>yabu</i>	<i>mboori</i>
DEMISA	---	<i>mude</i>	<i>utesedera</i>	<i>sibe</i>

Language	81. dry	82. mow	83. tree/wood	84. split
SAPONI	<i>ewakiwo</i>	<i>urara^u</i>	<i>kure</i>	<i>peyeyawo</i>
RASAWA	<i>de:nu</i>	<i>keya</i>	<i>ukui</i>	<i>pekeka</i>
AWERA	<i>ɔ:kɔ</i>	<i>kieyo</i>	<i>qβi</i>	<i>pəyeyi</i>
WEIRATE	---	<i>su</i>	---	<i>wodo</i>
DEIRATE	---	<i>kate</i>	<i>utakwo</i>	<i>kiado</i>
TAUSE	<i>ɸaxaru</i>	<i>tari</i>	<i>u</i>	---
SEHUDATE	---	<i>uro</i>	<i>u</i>	<i>tayo</i>
FAYU	---	---	<i>u</i>	---
FAIA	---	---	---	<i>nikli</i>
KIRIKIRI	---	<i>ɸlia</i>	<i>du</i>	<i>kuda/ɸikla</i>
EDOPI	<i>sueye</i>	<i>horai</i>	<i>u</i>	<i>dukari</i>
IAU	<i>si-be</i>	<i>hoe</i>	<i>u</i>	<i>duki</i>
DUVLE	<i>so vareso</i>	<i>soⁱ</i>	<i>ura</i>	<i>zaⁱ</i>
DOUTAI	<i>so</i>	---	<i>ku[^]</i>	---
WARITAI	<i>koso</i>	---	<i>ku[^]</i>	---
KAI	<i>sobeikoru</i>	---	<i>ku[^]</i>	---
BIRITAI	<i>soi</i>	<i>kaidaka</i>	<i>u</i>	<i>ɛ:daka</i>
OBOKUITAI	<i>soig^ŋ</i>	<i>traig^ŋ-kua</i>	<i>kub^ŋ</i>	<i>kri-do-kwa</i>
ERITAI	<i>ohosoruku</i>	---	<i>ku</i>	---
SIKARITAI	---	---	<i>kug^ŋ</i>	<i>pidowa</i>
KAURE	<i>pəspait</i>	<i>kalitusla</i>	<i>tei</i>	<i>kalapula</i>
BAUZI	<i>dehat</i>	<i>sibe viɛ</i>	<i>uto</i>	<i>fahɛ</i>
BERIK	<i>stera</i>	---	<i>ti</i>	---
ORYA	<i>sasa-na</i>	<i>bung gun</i>	<i>te</i>	<i>hlang son</i>
DANI	<i>wolonak</i>	<i>eeri^ŋngga mbanak</i>	<i>eyo</i>	<i>nggaganak</i>
DEMISA	---	---	---	<i>ihyairɛ</i>

Language	86. branch	87. leaf	88. thorn	89. fruit
SAPONI	<i>kupe^urakose</i>	<i>urāɔ̚rε</i>	<i>pɔ̚rε</i>	<i>wε̚lε</i>
RASAWA	<i>tai</i>	<i>kuru/ura</i>	<i>po</i>	<i>wi</i>
AWERA	<i>ore:ya</i>	<i>duyeri</i>	<i>pɔ̚ræ</i>	<i>aβa:ræ</i>
WEIRATE	<i>ukaⁱfidau</i>	<i>asəde</i>	<i>kre</i>	<i>ukaba</i>
DEIRATE	<i>uwaɸaka</i>	<i>awase</i>	<i>kwe</i>	<i>ukama</i>
TAUSE	---	<i>azərε</i>	<i>kre</i>	<i>arokwa?</i>
SEHUDATE	<i>təβo</i>	<i>sa</i>	<i>atai</i>	---
FAYU	---	<i>sa</i>	<i>kue</i>	---
FAIA	---	<i>klu</i>	<i>kwε</i>	<i>ta</i>
KIRIKIRI	<i>ki^</i>	<i>sa/klu</i>	<i>kwε</i>	<i>ta</i>
EDOPI	<i>u-kou</i>	<i>sa</i>	<i>bε</i>	<i>tai</i>
IAU	<i>i</i>	<i>osu</i>	<i>bε</i>	<i>taⁱ</i>
DUVLE	<i>dobæri</i>	<i>obi/tabi</i>	<i>fɪ̚ræ</i>	<i>æræ</i>
DOUTAI	---	<i>kurwækəri</i>	<i>kei^</i>	<i>ebi^</i>
WARITAI	---	<i>toruduko</i>	<i>kwɪ̚rε</i>	<i>ebi^</i>
KAI	---	<i>kugaharu</i>	<i>kwɪ̚rε</i>	<i>ati^</i>
BIRITAI	<i>adi-hai</i>	<i>adu</i>	<i>ai^</i>	<i>toide</i>
OBOKUITAI	<i>kub^ŋ</i>	<i>akrud^ŋ</i>	<i>kwrei</i>	<i>ahorub^ŋ</i>
ERITAI	---	<i>okru</i>	<i>kure</i>	<i>ohori</i>
SIKARITAI	---	<i>asgad</i>	<i>kure</i>	<i>atig</i>
KAURE	<i>we</i>	<i>be</i>	<i>tuwe</i>	<i>kɔ̚ple</i>
BAUZI	<i>aaso</i>	<i>et</i>	<i>ali</i>	<i>oo</i>
BERIK	---	<i>tiala</i>	<i>ut</i>	---
ORYA	<i>hli</i>	<i>teala</i>	<i>ngi̚</i>	<i>dan/ei</i>
DANI	<i>mi[?]ndik</i>	<i>ngga</i>	<i>alok</i>	<i>anggen</i>
DEMISA	<i>utioɸasudesuda</i>	<i>nata</i>	<i>ari</i>	<i>utua</i>

Language	90. seed	91. rotten	92. smelly	93. forest
SAPONI	<i>we:je</i>	<i>wu-fe-je</i>	<i>we-fe-je</i>	<i>kiwi-fe-je</i>
RASAWA	<i>wizo</i>	<i>du-βi</i>	<i>uβijβa</i>	<i>ba</i>
AWERA	<i>we:ro</i>	<i>kari-βe</i>	<i>uβyo</i>	<i>pesia</i>
WEIRATE	---	<i>kama</i>	<i>ka<u>u</u>wa</i>	<i>saka</i>
DEIRATE	<i>u-kama</i>	<i>kama</i>	---	<i>sakakuko</i>
TAUSE	<i>kaba</i>	---	<i>aɸru</i>	<i>ti</i>
SEHUDATE	---	<i>ɛhɔrekə</i>	---	<i>ɸiɔ</i>
FAYU	---	<i>kauɔ</i>	<i>kauɔ</i>	<i>isa</i>
FAIA	<i>kwa</i>	<i>kau</i>	<i>kau</i>	---
KIRIKIRI	<i>kwa</i>	<i>kau^</i>	<i>kau^</i>	<i>boi</i>
EDOPI	<i>helε</i>	<i>tuhe</i>	<i>tu</i>	<i>pe</i>
IAU	<i>ɸæ</i>	<i>be</i>	<i>su</i>	<i>eho</i>
DUVLE	<i>æræ</i>	<i>tuyi</i>	<i>tuyi gore</i>	<i>pia veⁱ</i>
DOUTAI	<i>ebi^</i>	---	---	<i>kuyesi^</i>
WARITAI	<i>ebi^</i>	---	---	<i>oo</i>
KAI	<i>ati^</i>	---	---	<i>ku^aso</i>
BIRITAI	<i>ahido</i>	<i>kai</i>	<i>aihai</i>	<i>ütu^</i>
OBOKUITAI	<i>atig⁷</i>	<i>kueig⁷</i>	<i>asa</i>	<i>kau</i>
ERITAI	<i>eti</i>	---	---	<i>kawetei</i>
SIKARITAI	<i>atig</i>	---	---	<i>igsuod</i>
KAURE	<i>kwe</i>	<i>tokoni</i>	<i>bəlua</i>	<i>hapaipa</i>
BAUZI	<i>neb</i>	<i>koalē</i>	<i>ahanafait</i>	<i>nahubak</i>
BERIK	<i>ti-tantan</i>	---	---	<i>onap</i>
ORYA	<i>te-tandan</i>	<i>batten</i>	<i>irase karek</i>	<i>eik</i>
DANI	<i>anggen</i>	<i>pili</i>	<i>obari</i>	<i>eyo ngga me</i>
DEMISA	---	<i>utwatseha</i>	---	---

Language	94. rope	95. tie	96. white	97. black
SAPONI	<i>seferare</i>	<i>piyawo</i>	<i>fuma-re</i>	<i>meγε-re</i>
RASAWA	<i>kyā</i>	<i>kiβika</i>	<i>koβu-no</i>	<i>beke-no</i>
AWERA	<i>kyæ</i>	<i>kəgi</i>	<i>koβe-βi</i>	<i>kwara-βi</i>
WEIRATE	<i>to</i>	<i>bije</i>	<i>ɸu</i>	<i>kaka</i>
DEIRATE	<i>to</i>	<i>bidu</i>	<i>arakwudi</i>	<i>kaka</i>
TAUSE	<i>to</i>	<i>to bido</i>	<i>araxo</i>	<i>kaka</i>
SEHUDATE	<i>to</i>	<i>de'iyo</i>	<i>kwəho</i>	<i>kotai</i>
FAYU	<i>uh i to</i>	<i>reio</i>	<i>kəho</i>	---
FAIA	<i>kaea</i>	<i>mudao</i>	---	---
KIRIKIRI	<i>kabia</i>	<i>ɸua</i>	<i>kura-we</i>	<i>ko-we</i>
EDOPI	<i>owa</i>	<i>kali</i>	<i>hatebana</i>	<i>hele</i>
IAU	<i>ɸo</i>	<i>kaε</i>	<i>be-be</i>	<i>ɸædæ-be</i>
DUVLE	<i>kabo</i>	---	<i>kwrei</i>	<i>gobe</i>
DOUTAI	<i>adi</i>	<i>pouru-wa</i>	<i>kwrei</i>	<i>ki^</i>
WARITAI	<i>kai</i>	<i>poudi-wa</i>	<i>təbe</i>	<i>ki^</i>
KAI	<i>kai</i>	<i>i^ja-wa</i>	<i>kwei^e</i>	<i>ki^</i>
BIRITAI	<i>kahi</i>	<i>i^a-ka</i>	<i>tue</i>	<i>i^</i>
OBOKUITAI	<i>kəbia</i>	<i>ig'je-kwa</i>	<i>kuei</i>	<i>kig'</i>
ERITAI	<i>hi</i>	<i>i^a-ku</i>	<i>kwei</i>	<i>kikare</i>
SIKARITAI	<i>dεje</i>	<i>ig'jua</i>	<i>kwakid'</i>	<i>kig'je</i>
KAURE	<i>wi</i>	<i>kakle</i>	<i>waku</i>	<i>sabi</i>
BAUZI	<i>lo</i>	<i>gia</i>	<i>fauhat</i>	<i>gihot</i>
BERIK	<i>næu</i>	<i>tetena</i>	<i>sinsini</i>	<i>seseye</i>
ORYA	<i>dokot</i>	<i>hule-n</i>	<i>ngapngap-na</i>	<i>kakak-na</i>
DANI	<i>ligi</i>	<i>keelemaake</i>	<i>laambu</i>	<i>mili</i>
DEMISA	<i>hemiya</i>	<i>here</i>	<i>haul</i>	<i>giho</i>

Language	98. red	99. yellow	100. green	101. bird
SAPONI	<i>iwi-ɾε</i>	<i>nəwia-ɾε</i>	<i>kəwo-ɾε</i>	<i>kɔɾε</i>
RASAWA	<i>puyβa-no</i>	<i>tetimi</i>	<i>ɔti-no</i>	<i>beβo</i>
AWERA	<i>ude-βi</i>	<i>ye-βi</i>	<i>sie-βi</i>	<i>ati</i>
WEIRATE	<i>agra</i>	---	---	<i>du</i>
DEIRATE	<i>aka</i>	<i>deo</i>	---	<i>usudi</i>
TAUSE	<i>axara</i>	<i>are</i>	<i>dei</i>	<i>ndu</i>
SEHUDATE	<i>εya</i>	---	---	<i>a^u</i>
FAYU	<i>aio</i>	<i>keihare</i>	<i>asai</i>	<i>au</i>
FAIA	---	---	---	<i>du</i>
KIRIKIRI	<i>uda-we</i>	<i>bua-we</i>	<i>ti^</i>	<i>du</i>
EDOPI	<i>koura</i>	<i>bu-bai</i>	<i>sata</i>	<i>desi tou</i>
IAU	<i>aui-be</i>	<i>mae-be</i>	<i>sa-to-be</i>	<i>dusi</i>
DUVLE	<i>pruru</i>	<i>siri</i>	<i>sætæri</i>	<i>fura</i>
DOUTAI	<i>di</i>	<i>keri^e</i>	<i>kəbi^</i>	<i>du</i>
WARITAI	<i>tia</i>	<i>kri</i>	<i>tri^</i>	<i>tu</i>
KAI	<i>di</i>	<i>dəbaɸru</i>	<i>uhuya</i>	<i>du</i>
BIRITAI	<i>de</i>	<i>asa-hau</i>	<i>edie</i>	<i>du</i>
OBOKUITAI	<i>di</i>	<i>asa-haub⁷</i>	<i>u</i>	<i>du</i>
ERITAI	<i>tiro</i>	<i>hou</i>	<i>əhiu</i>	<i>du</i>
SIKARITAI	<i>di</i>	<i>dəba-hud⁷</i>	<i>akəbiscja</i>	<i>du</i>
KAURE	<i>ti</i>	<i>kəli</i>	<i>timberkluk</i>	<i>hu</i>
BAUZI	<i>bəzit/buhet</i>	<i>hau-alihole</i>	<i>gahat</i>	<i>bume</i>
BERIK	<i>berbere</i>	<i>bwelkatbwelkat</i>	<i>tiala ikikini</i>	<i>ju</i>
ORYA	<i>kalakal-a</i>	<i>yongyong-na</i>	<i>tealaæsese-na</i>	<i>mawa</i>
DANI	<i>laambu</i>	<i>laambu</i>	<i>nggere?ngga</i>	<i>towe</i>
DEMISA	<i>jimi</i>	<i>gai'hai</i>	<i>haugwai</i>	<i>bijana</i>

Language	102. egg	103. wing	104. to fly	105. cassowary
SAPONI	<i>a'ware</i>	<i>uyɔrε</i>	<i>ayɔyawɔ</i>	<i>i'eie</i>
RASAWA	<i>uβa</i>	<i>uxai</i>	<i>axokira</i>	<i>kiri</i>
AWERA	<i>ɔγyɔ</i>	<i>oγwæ</i>	<i>aunæ</i>	<i>kri:ya</i>
WEIRATE	<i>kokoafli</i>	<i>azadayai</i>	---	<i>jari</i>
DEIRATE	<i>abi</i>	<i>phiakai</i>	<i>kobe</i>	<i>jadi</i>
TAUSE	---	---	<i>truwaro</i>	<i>yari</i>
SEHUDATE	<i>etai</i>	<i>a<u>u</u>ro</i>	<i>na<u>o</u></i>	<i>jai</i>
FAYU	<i>atai</i>	---	<i>bεru?</i>	<i>jai</i>
FAIA	<i>dute</i>	<i>tere-ki</i>	---	<i>de</i>
KIRIKIRI	<i>dute</i>	---	<i>diada-kia</i>	<i>dei</i>
EDOPI	<i>bi</i>	<i>apu</i>	<i>bidai</i>	<i>dai</i>
IAU	<i>bi</i>	<i>ɔ-ki</i>	<i>ui</i>	<i>dai</i>
DUVLE	<i>ævisa</i>	<i>biraya^j</i>	<i>da/do^u</i>	<i>kobiso</i>
DOUTAI	<i>ebisa</i>	<i>birako</i>	<i>təbəi^{ri}-wa</i>	---
WARITAI	<i>ko</i>	<i>doru[^]</i>	<i>tibidi-wa</i>	---
KAI	<i>ako</i>	<i>aku</i>	<i>douj-wa</i>	---
BIRITAI	<i>asau</i>	---	<i>tei^{aka}</i>	<i>dai</i>
OBOKUITAI	<i>ako</i>	<i>araub[?]</i>	<i>hihidε-kwa</i>	<i>ku</i>
ERITAI	<i>oko</i>	<i>akahu</i>	<i>hihiro-ku</i>	---
SIKARITAI	<i>ako</i>	<i>asod^r</i>	<i>uhud^r tuεjua</i>	---
KAURE	<i>te</i>	<i>tai</i>	<i>kalatəlu</i>	<i>kuwi</i>
BAUZI	<i>oo</i>	<i>buseha</i>	<i>boia</i>	<i>bih</i>
BERIK	<i>sui</i>	<i>farta</i>	<i>ifunu</i>	---
ORYA	<i>sik</i>	<i>sii</i>	<i>ihe-n</i>	<i>dugwa</i>
DANI	<i>eko</i>	<i>eeruwak</i>	<i>wiganinuk naga</i>	<i>ndiimbu</i>
DEMISA	<i>mwa</i>	<i>jaha</i>	---	<i>bijε</i>

Language	106. fly	107. mosquito	108. dog	109. big
SAPONI	<i>poⁱε-ɾε</i>	<i>kiwe-ɾε</i>	<i>kayɔ-ɾε</i>	<i>pumɔ</i>
RASAWA	<i>poisa</i>	<i>tra</i>	<i>kako</i>	<i>pu</i>
AWERA	<i>poisia</i>	<i>ki:βæ</i>	<i>keβu</i>	<i>wira</i>
WEIRATE	<i>ama</i>	<i>sre</i>	<i>sa</i>	<i>weɸe</i>
DEIRATE	<i>ɸu</i>	<i>se</i>	<i>sa</i>	<i>kwefe</i>
TAUSE	<i>ɸu</i>	<i>səre</i>	<i>sa</i>	<i>kliβo</i>
SEHUDATE	---	<i>tε</i>	<i>dai</i>	<i>nakuti</i>
FAYU	<i>kotahari</i>	<i>tε</i>	<i>dai</i>	<i>yuti</i>
FAIA	<i>kwari</i>	<i>tε</i>	<i>nabi</i>	<i>hekwase</i>
KIRIKIRI	<i>kwari</i>	<i>tε</i>	<i>nabi</i>	<i>ɸire</i>
EDOPI	<i>badi</i>	<i>tε</i>	<i>dabε</i>	<i>ahara-beyi</i>
IAU	<i>baⁱ</i>	<i>tε</i>	<i>la</i>	<i>isi-bε</i>
DUVLE	<i>fæ^ja gari</i>	<i>biraru</i>	<i>færi</i>	<i>koburo vɪε</i>
DOUTAI	<i>du[^]ari</i>	<i>du[^]i[^]</i>	<i>dai[^]</i>	<i>kraio-ri</i>
WARITAI	<i>sukwεri</i>	<i>teri</i>	<i>səga</i>	<i>boku[^]o-ri</i>
KAI	<i>du[^]ari</i>	<i>wiſε</i>	<i>su[^]a</i>	<i>kraiɔri</i>
BIRITAI	<i>kare</i>	<i>edaru</i>	<i>dau</i>	<i>esoke</i>
OBOKUITAI	<i>kware</i>	<i>u</i>	<i>dau</i>	<i>akaig[~]so</i>
ERITAI	<i>kwai</i>	<i>u</i>	<i>dao</i>	<i>sokuokwei</i>
SIKARITAI	<i>kwahu</i>	<i>u</i>	<i>sua</i>	<i>kueg[~]</i>
KAURE	<i>ali</i>	<i>yapuwa</i>	<i>se</i>	<i>simbuia</i>
BAUZI	<i>fabe</i>	<i>fabe</i>	<i>vɛm</i>	<i>duat</i>
BERIK	<i>nebel</i>	<i>san</i>	<i>gwala</i>	<i>unggwandusa</i>
ORYA	<i>iimbil</i>	<i>san</i>	<i>lwa-na</i>	<i>mamna/yawala</i>
DANI	<i>ti[?]nebon</i>	<i>lamengga[?]nggan</i>	<i>nggewo</i>	<i>nggwok</i>
DEMISA	<i>nahi</i>	<i>kwabi</i>	<i>nimi</i>	---

Language	110. small	111. this	112. that	113. same
SAPONI	<i>sinoyo</i>	<i>misira</i>	<i>mirei</i>	---
RASAWA	<i>wino</i>	---	---	<i>oxra</i>
AWERA	<i>wetoβa</i>	---	---	<i>ra</i>
WEIRATE	<i>kaφre</i>	---	---	<i>fato-re</i>
DEIRATE	<i>kafe</i>	---	---	<i>asa fadodo</i>
TAUSE	<i>kaβare</i>	<i>ai/we</i>	<i>ai/we</i>	---
SEHUDATE	<i>buse</i>	---	---	<i>fara-wε</i>
FAYU	<i>bosa</i>	<i>ari</i>	---	<i>aha-re</i>
FAIA	<i>kokoβai</i>	---	---	---
KIRIKIRI	<i>so</i>	<i>bei</i>	<i>bei</i>	<i>fara-we</i>
EDOPI	<i>hakaw-beyi</i>	<i>ma</i>	<i>di</i>	<i>holamaladi</i>
IAU	<i>kodu-be</i>	<i>bo</i>	<i>aibo</i>	<i>ɸai-ha-made</i>
DUVLE	<i>obyo^u ka</i>	<i>di/du</i>	<i>a</i>	<i>æbræ pe'reso</i>
DOUTAI	<i>boku</i>	---	---	<i>pəgeise</i>
WARITAI	<i>tita-ri</i>	---	---	---
KAI	<i>tigiori</i>	---	---	---
BIRITAI	<i>tuhuaye</i>	<i>are</i>	<i>biai</i>	<i>hatiayε</i>
OBOKUITAI	<i>osukode</i>	<i>da</i>	<i>bra</i>	<i>heti</i>
ERITAI	<i>korakikore</i>	---	---	---
SIKARITAI	<i>egki</i>	---	---	---
KAURE	<i>tanya</i>	<i>tu</i>	<i>ketu</i>	<i>bui</i>
BAUZI	<i>kœnæ</i>	<i>nim</i>	<i>glam</i>	<i>ulohot</i>
BERIK	<i>bastantoiya</i>	<i>an</i>	<i>in</i>	---
ORYA	<i>betek-na</i>	<i>an</i>	<i>in</i>	<i>apdenak</i>
DANI	<i>mbuuluk</i>	<i>yi</i>	<i>ti</i>	<i>ndak-ndak</i>
DEMISA	---	---	---	---

Language	114. different	115. bite/chew	116. tail	117. fish
SAPONI	---	<i>kiwawo</i>	<i>ware</i>	<i>karore</i>
RASAWA	<i>wa</i>	<i>triro</i>	<i>wayo</i>	<i>deβrayo</i>
AWERA	<i>kariko</i>	<i>owi</i>	<i>orioru</i>	<i>tæ</i>
WEIRATE	<i>katowakade</i>	---	<i>tiba</i>	<i>se</i>
DEIRATE	<i>debasane?</i>	<i>dɔjanu</i>	<i>tijade</i>	<i>se</i>
TAUSE	---	<i>dɔβrio</i>	<i>tiba</i>	<i>se</i>
SEHUDATE	<i>fasahaugo</i>	<i>biario</i>	<i>a-tida</i>	---
FAYU	<i>φare</i>	---	<i>a-dira</i>	<i>te</i>
FAIA	---	---	<i>fu</i>	<i>hia</i>
KIRIKIRI	<i>φua-kai</i>	<i>sa</i>	<i>fuo</i>	<i>φia</i>
EDOPI	<i>kuasohɔradie</i>	<i>palai</i>	<i>si</i>	<i>hia</i>
IAU	<i>sadε</i>	<i>sa</i>	<i>si tae</i>	<i>phihi</i>
DUVLE	<i>gaⁱε</i>	<i>bo bi</i>	<i>æyai</i>	<i>tæ</i>
DOUTAI	---	<i>bou-wa</i>	<i>ekiyai</i>	<i>te</i>
WARITAI	---	<i>boudi-wa</i>	<i>kari^</i>	<i>teri^</i>
KAI	---	<i>bouru-wa</i>	<i>ati^</i>	<i>te</i>
BIRITAI	<i>aha-tiai</i>	<i>daka</i>	<i>adi</i>	<i>te</i>
OBOKUITAI	<i>akaig'jeka</i>	<i>boru-kwa</i>	<i>atig'</i>	<i>te</i>
ERITAI	---	<i>boru-ku</i>	<i>eti</i>	<i>te</i>
SIKARITAI	---	<i>bodoa</i>	<i>atig'</i>	<i>ded'</i>
KAURE	<i>klakla</i>	<i>kaptre</i>	<i>buay</i>	<i>biula</i>
BAUZI	<i>uloh̩ kai</i>	<i>æda</i>	<i>degoso</i>	<i>bohe</i>
BERIK	---	<i>jerbini</i>	<i>nanggara</i>	<i>jigal</i>
ORYA	<i>sən</i>	<i>twinbi-n</i>	<i>abal</i>	<i>hogwe</i>
DANI	<i>alitak</i>	<i>eyakmbangge</i>	<i>aga</i>	<i>ikan</i>
DEMISA	---	---	<i>waha</i>	<i>wabice</i>

Language	118. leech	119. louse	120. pig	121. shoot
SAPONI	<i>kire</i>	<i>wakire</i>	<i>kweire</i>	<i>kirawo</i>
RASAWA	<i>kiβayo</i>	<i>piye</i>	<i>kaβo</i>	<i>biziye</i>
AWERA	<i>kiβa</i>	<i>piti</i>	<i>nu</i>	<i>koβou</i>
WEIRATE	<i>aφi</i>	<i>φli</i>	<i>i^e</i>	<i>kwa</i>
DEIRATE	<i>iφi</i>	<i>φire</i>	<i>i^ε</i>	<i>kware</i>
TAUSE	<i>iβi</i>	<i>φri</i>	<i>i^ε</i>	---
SEHUDATE	---	<i>φiri</i>	<i>kwa</i>	<i>koro</i>
FAYU	<i>dayai</i>	<i>φiri</i>	<i>irε</i>	<i>auɔ</i>
FAIA	<i>ki</i>	<i>hni</i>	<i>se</i>	<i>kware</i>
KIRIKIRI	<i>ki</i>	<i>φli</i>	<i>si^e</i>	<i>kware</i>
EDOPI	<i>a:u</i>	<i>do:u</i>	<i>di</i>	<i>mai</i>
IAU	<i>ki</i>	<i>ibo</i>	<i>du</i>	<i>ma</i>
DUVLE	<i>kabi</i>	<i>pri</i>	<i>dīra</i>	<i>vada</i>
DOUTAI	---	<i>pri</i>	<i>i^</i>	---
WARITAI	---	<i>φri</i>	<i>i^</i>	---
KAI	---	<i>fri</i>	<i>i^</i>	---
BIRITAI	<i>ihi</i>	<i>hi</i>	<i>di</i>	<i>kaka</i>
OBOKUITAI	<i>kibi</i>	<i>hri</i>	<i>ig^/dig^</i>	<i>kwei</i>
ERITAI	---	<i>hiri</i>	<i>di</i>	---
SIKARITAI	---	<i>fri</i>	<i>dik^</i>	<i>burei-wa</i>
KAURE	<i>hame</i>	<i>mi</i>	<i>pi</i>	<i>kahu</i>
BAUZI	<i>dæmi</i>	<i>voa</i>	<i>dohɔ</i>	<i>do</i>
BERIK	---	<i>nena</i>	<i>twin</i>	---
ORYA	<i>dam</i>	<i>kultuk</i>	<i>gwe</i>	<i>sertyan</i>
DANI	<i>amela</i>	<i>abee</i>	<i>wam</i>	<i>nambuke</i>
DEMISA	<i>dami</i>	<i>yo</i>	<i>beiji</i>	---

Language	122. worm	123. snake	124. long	125. short (length)
SAPONI	<i>kipə̃iwo</i>	<i>pə̃ẽe</i>	<i>pə̃owire</i>	<i>nə̃rẽjẽ</i>
RASAWA	<i>boi</i>	<i>pe</i>	<i>puβi</i>	<i>mono</i>
AWERA	<i>æi</i>	<i>karuwæ</i>	<i>əbi</i>	<i>pweyeβi</i>
WEIRATE	---	<i>ɸi</i>	---	---
DEIRATE	<i>ɸire</i>	<i>ɸi</i>	<i>haibukuwe?</i>	<i>ɸiɸε?</i>
TAUSE	<i>fau</i>	<i>ɸi</i>	<i>kwidare</i>	<i>kwegəre</i>
SEHUDATE	---	<i>kɔru</i>	<i>kurẽi</i>	<i>kuti</i>
FAYU	<i>kuoi</i>	<i>kouha</i>	<i>kuɔhi</i>	---
FAIA	---	<i>keβu</i>	<i>ure-βe</i>	---
KIRIKIRI	<i>ɸu</i>	<i>keβu</i>	<i>ure-we</i>	<i>uri-so-we</i>
EDOPI	<i>ha:u</i>	<i>balau</i>	<i>bəhebeɪ</i>	<i>oto-bei</i>
IAU	<i>hao</i>	<i>bəhe</i>	<i>bə-be</i>	<i>kabu-be</i>
DUVLE	<i>abrayo</i>	<i>dibi/bæ̃i-a---</i>	<i>fraya</i>	<i>zε</i>
DOUTAI	---	<i>kεi</i>	<i>kwə̃ri^</i>	<i>dou^</i>
WARITAI	---	<i>təbi</i>	<i>kwə̃ri^</i>	<i>tou^</i>
KAI	---	<i>kai</i>	<i>kwə̃ri</i>	<i>dou^tigi</i>
BIRITAI	<i>kecahie</i>	<i>hiyo</i>	<i>kariake</i>	<i>dau</i>
OBOKUITAI	<i>kueig'sahrig'ja</i>	<i>kei</i>	<i>kwə̃rig'</i>	<i>doub'</i>
ERITAI	---	<i>kei</i>	<i>kweriokwei</i>	<i>douhatu</i>
SIKARITAI	---	<i>debi</i>	<i>kwed'</i>	<i>dokug'</i>
KAURE	<i>motay</i>	<i>hay</i>	<i>hewa</i>	<i>tamsi</i>
BAUZI	<i>seso</i>	<i>mum</i>	<i>bohulat</i>	<i>zə̃həbut</i>
BERIK	---	<i>awas</i>	<i>bubwolna</i>	<i>tofora</i>
ORYA	<i>auhu</i>	<i>wanya</i>	<i>blal-a</i>	<i>tihis-nĩ</i>
DANI	<i>puuron</i>	<i>waalo</i>	<i>nggorek</i>	<i>kuwagaluk</i>
DEMISA	<i>soronacu</i>	<i>demo</i>	---	---

Language	126. rat	127. full	128. house	129. new
SAPONI	<i>nεrεje</i>	<i>məluyiwo</i>	<i>aε</i>	<i>æjε</i>
RASAWA	<i>pya</i>	<i>obuyi</i>	<i>aru</i>	<i>inu</i>
AWERA	<i>məræ:i</i>	<i>oβo:ri</i>	<i>aru</i>	<i>βri</i>
WEIRATE	<i>diga</i>	---	<i>taye</i>	---
DEIRATE	---	---	<i>taka</i>	<i>fa^u</i>
TAUSE	<i>tedakwe</i>	<i>βεφε</i>	<i>taye</i>	<i>kaβa-re</i>
SEHUDATE	---	---	<i>a</i>	---
FAYU	<i>uda</i>	---	<i>a</i>	<i>asai</i>
FAIA	<i>koda</i>	---	<i>kwa</i>	---
KIRIKIRI	<i>kofla</i>	---	<i>kwa</i>	<i>kedi</i>
EDOPI	<i>kɔisidi</i>	<i>bətahɔrədi</i>	<i>uda</i>	<i>to-be</i>
IAU	<i>boti</i>	<i>bi aε</i>	<i>ui</i>	<i>to-bε</i>
DUVLE	<i>puseyæⁱ</i>	<i>oraya vareso</i>	<i>boyoⁱa</i>	<i>æri</i>
DOUTAI	<i>tura</i>	<i>werarijake</i>	<i>kwari</i>	<i>səgari^</i>
WARITAI	<i>su^gwi^</i>	<i>weraritake</i>	<i>kwari</i>	<i>sgari^</i>
KAI	<i>su^i^</i>	<i>awetaru</i>	<i>kwari</i>	<i>kasi</i>
BIRITAI	<i>tosai</i>	<i>akau-dodi</i>	<i>kari</i>	<i>hidoayε</i>
OBOKUITAI	<i>tuseig⁷</i>	<i>akwitaru</i>	<i>kwəri</i>	<i>sakarig⁷</i>
ERITAI	<i>bisa</i>	<i>okwetaruei</i>	<i>kwəri</i>	<i>kesi</i>
SIKARITAI	<i>tusog⁷/dokug⁷</i>	<i>awetadəkwako</i>	<i>kwa</i>	<i>sgad⁷</i>
KAURE	<i>day</i>	<i>kahiyān</i>	<i>mba</i>	<i>haria</i>
BAUZI	<i>æhægina</i>	<i>bəktə</i>	<i>numa</i>	<i>gæhæt</i>
BERIK	<i>bokosi</i>	<i>tenbisini</i>	<i>ja</i>	<i>tansi</i>
ORYA	<i>kwalu</i>	<i>beya-gwe-n</i>	<i>gol</i>	<i>əse-na</i>
DANI	<i>ambeya</i>	<i>iyagabit</i>	<i>ome</i>	<i>nggetmendek</i>
DEMISA	<i>sehu</i>	---	<i>numa</i>	---

Language	130. old	131. thatch	132. in front	133. outside
SAPONI	<i>a'wefεjε</i>	<i>ka<u>wɔrε</u></i>	<i>aya<u>rɔrε</u></i>	<i>huwejε</i>
RASAWA	<i>eɸe</i>	<i>kira</i>	<i>oyo</i>	<i>uβu</i>
AWERA	<i>kaiβε</i>	<i>peiræ</i>	<i>rwæ</i>	<i>maugwa</i>
WEIRATE	---	<i>du</i>	---	---
DEIRATE	<i>ɸaka</i>	<i>du</i>	---	---
TAUSE	<i>kriβore</i>	---	---	---
SEHUDATE	---	---	---	---
FAYU	<i>ɸɛ̃tɔ</i>	---	---	---
FAIA	---	<i>kwa-kura</i>	---	---
KIRIKIRI	<i>teβa</i> <i>ida</i> (people)	<i>kwa-kura</i>	---	---
EDOPI	<i>ba-bei</i>	<i>uda-hi</i>	<i>aulowi</i>	<i>teu-bei</i>
IAU	<i>ba-bε</i>	<i>ui-hi</i>	<i>aui</i>	<i>ɸoe</i>
DUVLE	<i>kro</i>	<i>bogoia obi</i>	<i>variyu</i>	<i>pia tugigu</i>
DOUTAI	<i>tiro</i>	---	<i>graai</i>	<i>wriako</i>
WARITAI	<i>ko</i>	---	<i>kaitai</i>	<i>wriako</i>
KAI	<i>abərise</i>	---	<i>akəritari</i>	<i>kweiso</i>
BIRITAI	<i>do</i>	<i>du</i>	<i>oaidəyai</i>	<i>utuo</i>
OBOKUITAI	<i>kro</i>	<i>akrub'</i>	<i>aig'</i>	<i>ireiko</i>
ERITAI	<i>əhrite</i>	---	<i>əhiteiko</i>	<i>ireiko</i>
SIKARITAI	<i>apidte</i>	---	<i>asitoko</i>	<i>asitako</i>
KAURE	<i>kambariü</i>	<i>bambε</i>	<i>bahapu</i>	<i>holaipe</i>
BAUZI	<i>faide</i>	<i>əhut</i>	<i>avaesu</i>	<i>bako</i>
BERIK	<i>bak</i>		<i>mukanawer</i>	<i>sitawer</i>
ORYA	<i>əpb-a-na</i>	<i>golala</i>	<i>danglak</i>	<i>əna-k</i>
DANI	<i>maanmedek</i>	<i>kaluwungge</i>	<i>enaame</i>	<i>endekem</i>
DEMISA	---	<i>nata</i>	---	---

Language	134. inside	136. right	137. left	138. near
SAPONI	<i>d̥ɔrε</i>	<i>yurεrε</i>	<i>tura^u</i>	<i>ḁɔfejε</i>
RASAWA	<i>uze</i>	<i>oβɔ</i>	<i>uxa</i>	<i>ai</i>
AWERA	<i>goβɔ</i>	<i>r̥ijyajβɔ</i>	<i>ka:i</i>	<i>paiyaβi</i>
WEIRATE	---	---	---	---
DEIRATE	---	---	---	<i>kari</i>
TAUSE	---	<i>sakra</i>	---	---
SEHUDATE	---	---	---	---
FAYU	---	---	---	---
FAIA	---	---	---	---
KIRIKIRI	---	<i>katu-we/naudi</i>	<i>taiu</i>	---
EDOPI	<i>udataudɔi</i>	---	---	<i>kuatɛka-bei</i>
IAU	<i>ta</i>	<i>ɸutaui-bε</i>	<i>aε-bε</i>	<i>iba-bε</i>
DUVLE	<i>vε'agu</i>	---	---	<i>ko</i>
DOUTAI	<i>εsi^</i>	<i>εi^</i>	<i>prabo</i>	<i>dεbai^</i>
WARITAI	<i>kako</i>	<i>εi^</i>	<i>pra</i>	<i>kei</i>
KAI	<i>kwiteri</i>	<i>akeiφo</i>	<i>akeikaho</i>	<i>atahai</i>
BIRITAI	<i>aratau</i>	<i>ayaho</i>	<i>teboho</i>	<i>aihai</i>
OBOKUITAI	<i>akwitaru-ko</i>	<i>oig'jo</i>	<i>kare</i>	<i>ahiteig'</i>
ERITAI	<i>okwitaruko</i>	<i>ojo</i>	<i>kare</i>	<i>əhitei</i>
SIKARITAI	<i>akad'ko</i>	<i>ig'ko</i>	<i>badako</i>	<i>asito</i>
KAURE	<i>loxopa</i>	<i>wainapet</i>	<i>waitoape</i>	<i>ɸuaiipa</i>
BAUZI	-a	<i>aitɔt</i>	<i>soitɔt</i>	<i>nɔtat</i>
BERIK	<i>ærmap</i>	<i>tæsforawer</i>	<i>gwejawer</i>	<i>gwetmana</i>
ORYA	<i>mwa-nak</i>	<i>dam-san</i>	<i>irgwa-san</i>	<i>golek</i>
DANI	<i>iniki me</i>	<i>abe'nggam</i>	<i>kwaare'nggam</i>	<i>korok</i>
DEMISA	---	---	---	---

Language	139. far	140. person	141. good	142. bad
SAPONI	<i>iwifejε</i>	<i>nunwɔrε</i>	<i>tɔrε</i>	<i>keweyawo</i>
RASAWA	<i>iβi</i>	<i>dubu</i>	<i>tɔxɔ</i>	<i>kaiβi</i>
AWERA	<i>moro:βi</i>	<i>nu</i>	<i>æβi</i>	<i>kiye</i>
WeIRATE	---	<i>tere</i>	---	---
DEIRATE	<i>kaɸadi</i>	<i>tedi</i>	<i>keβaido</i>	<i>fε</i>
TAUSE	---	<i>tere</i>	<i>kəβai</i>	<i>axo φere</i>
SEHUDATE	---	<i>aβo</i>	---	---
FAYU	<i>uhı</i>	<i>tu</i>	<i>kaha</i>	<i>φei</i>
FAIA	---	<i>te</i>	---	---
KIRIKIRI	<i>ude-we</i>	<i>te</i>	<i>naudi</i>	<i>φei</i>
EDOPI	<i>kuaɔrateri</i>	<i>te</i>	<i>lakei</i>	<i>awai</i>
IAU	<i>daoe</i>	<i>te</i>	<i>laki</i>	<i>φε-bε</i>
DUVLE	<i>piafraya vre</i>	<i>o'riε</i>	<i>sæbri</i>	<i>toyo^u</i>
DOUTAI	<i>kwaikwεti</i>	<i>tai</i>	<i>sari</i>	<i>pru</i>
WARITAI	<i>kwaikwri^</i>	<i>tai</i>	<i>sari</i>	<i>pga</i>
KAI	<i>iyjekwεti</i>	<i>tai</i>	<i>sari</i>	<i>φru</i>
BIRITAI	<i>sukwade</i>	<i>ta</i>	<i>kaike</i>	<i>adiho</i>
OBOKUITAI	<i>sukwεti</i>	<i>ta</i>	<i>ki-dei</i>	<i>asaikedi</i>
ERITAI	<i>jokwεti</i>	<i>tore</i>	<i>dei</i>	<i>hurakre</i>
SIKARITAI	<i>ig'jekwed'</i>	<i>tro</i>	<i>odako</i>	<i>puriako</i>
KAURE	<i>kulenanehui</i>	<i>lemałong</i>	<i>arue</i>	<i>sipua?</i>
BAUZI	<i>bohulat</i>	<i>dat</i>	<i>neat</i>	<i>fait</i>
BERIK	<i>bijua</i>	<i>angtane</i>	<i>wækena</i>	<i>kakalsona</i>
ORYA	<i>langa-nak</i>	<i>zi</i>	<i>dawem</i>	<i>jaljal-a</i>
DANI	<i>nda-nda</i>	<i>aap</i>	<i>op</i>	<i>aniniambik</i>
DEMISA	---	<i>nata</i>	---	---

Language	143. male	144. female	145. husband	146. wife
SAPONI	<i>nɔ̄iε</i>	<i>jare</i>	<i>nɔ̄iε</i>	<i>kɔ̄'royo</i>
RASAWA	<i>duβa</i>	<i>kuru</i>	<i>we</i>	<i>oi</i>
AWERA	<i>nɔβo:ru</i>	<i>ya</i>	<i>oɪβe</i>	<i>eye</i>
WEIRATE	<i>i</i>	<i>suo</i>	<i>sakei</i>	<i>haro</i>
DEIRATE	<i>e</i>	<i>suo</i>	---	<i>bia suokwe</i>
TAUSE	<i>e</i>	<i>su</i>	---	---
SEHUDATE	<i>tɔriɔ</i>	<i>tito</i>	---	---
FAYU	<i>tɔriɔ</i>	<i>arü</i>	---	<i>türo</i>
FAIA	<i>sigua</i>	---	<i>ekokwadau?</i>	<i>ku</i>
KIRIKIRI	<i>tiayai</i>	<i>ko</i>	<i>tiayai</i>	<i>ko</i>
EDOPI	<i>te</i>	<i>si</i>	<i>te</i>	<i>si</i>
IAU	<i>te</i>	<i>si</i>	<i>te</i>	<i>si</i>
DUVLE	<i>farabu</i>	<i>oruaɛ^j</i>	<i>dure</i>	<i>æseye</i>
DOUTAI	<i>seri</i>	<i>səgε</i>	---	---
WARITAI	<i>tria</i>	<i>bai^</i>	---	---
KAI	<i>titeri</i>	<i>tu^</i>	---	---
BIRITAI	<i>todijo</i>	<i>tu</i>	<i>tadio</i>	<i>tu</i>
OBOKUITAI	<i>tiseri</i>	<i>tub⁷</i>	<i>tiseri</i>	<i>tub⁷</i>
ERITAI	<i>titeri</i>	<i>tu</i>	---	---
SIKARITAI	<i>tso huraro</i>	<i>tug⁷</i>	---	---
KAURE	<i>didu?</i>	<i>dai?</i>	<i>dəkesai</i>	<i>dindai</i>
BAUZI	<i>dam</i>	<i>lahi</i>	<i>dat soabo</i>	<i>duta</i>
BERIK	<i>anggwa</i>	<i>wi</i>	---	---
ORYA	<i>zirya</i>	<i>wenya</i>	<i>zi</i>	<i>we wal</i>
DANI	<i>aap</i>	<i>kwe</i>	<i>ogonggelo</i>	<i>akwe</i>
DEMISA	<i>damateha</i>	<i>nodeñata</i>	<i>no</i>	<i>no</i>

Language	147. father	148. mother	149. child	150. 1SG
SAPONI	<i>nuaⁱε</i>	<i>nɔrε</i>	<i>marare</i>	<i>mamire</i>
RASAWA	<i>wa</i>	<i>ɔ</i>	<i>uri</i>	<i>eβe</i>
AWERA	<i>oyæ</i>	<i>otu</i>	<i>onwi</i>	<i>yai</i>
WEIRATE	<i>awa</i>	<i>awe</i>	<i>tabri</i>	<i>di</i>
DEIRATE	<i>ise</i>	<i>awe</i>	<i>taʃi</i>	<i>di bedo</i>
TAUSE	<i>awa</i>	<i>awe</i>	<i>taubri</i>	<i>di</i>
SEHUDATE	---	---	<i>tahi</i>	---
FAYU	<i>aɸɔ</i>	<i>kuai</i>	<i>teha</i>	<i>a</i>
FAIA	<i>a</i>	<i>e</i>	<i>te</i>	<i>ɛ</i>
KIRIKIRI	<i>ai/kayoi</i>	<i>kwei/ia</i>	<i>te</i>	<i>a</i>
EDOPI	<i>awa</i>	<i>ja</i>	<i>sau</i>	<i>a</i>
IAU	<i>a</i>	<i>ate</i>	<i>so</i>	<i>a</i>
DUVLE	<i>aⁱse</i>	<i>isa</i>	<i>ziri</i>	<i>æ</i>
DOUTAI	<i>bai[^]</i>	<i>oru</i>	<i>tebi</i>	<i>i</i>
WARITAI	<i>bai[^]</i>	<i>wεi[^]</i>	<i>tugwi[^]</i>	---
KAI	<i>abai</i>	<i>awεi</i>	<i>tehei</i>	---
BIRITAI	<i>ai</i>	<i>oyi</i>	<i>tau</i>	<i>e</i>
OBOKUITAI	<i>ai</i>	<i>oig[?]</i>	<i>teig[?]</i>	<i>i</i>
ERITAI	<i>ayo</i>	<i>oi</i>	<i>tei</i>	---
SIKARITAI	<i>awad[?]</i>	<i>awed[?]</i>	<i>tue</i>	---
KAURE	<i>daji</i>	<i>nanuan</i>	<i>du?</i>	<i>wε</i>
BAUZI	<i>ai</i>	<i>oi</i>	<i>data</i>	<i>e-</i>
BERIK	<i>uwa</i>	<i>iye</i>	<i>tane</i>	---
ORYA	<i>bia</i>	<i>ane</i>	<i>tane</i>	<i>əe</i>
DANI	<i>ogoba</i>	<i>agalo</i>	<i>enege</i>	<i>an</i>
DEMISA	<i>amca</i>	<i>aməra</i>	<i>dataʃi</i>	<i>emdə</i>

Language	151. 2SG	152. 1PL.INCL	153. 3SG	154. 3PL
SAPONI	<i>makirawo</i>	<i>mamire</i>	<i>kimowō</i>	<i>niaware</i>
RASAWA	<i>deße</i>	<i>duwəßi</i>	<i>kijbiye</i>	<i>kyɔyo</i>
AWERA	<i>nai</i>	<i>e</i>	<i>ku</i>	<i>koro:</i>
WEIRATE	<i>ba</i>	<i>ai</i>	<i>wε</i>	---
DEIRATE	---	---	---	---
TAUSE	<i>ba</i>	---	<i>tere</i>	---
SEHUDATE	---	---	---	---
FAYU	<i>de</i>	<i>e/i</i>	---	---
FAIA	<i>di</i>	<i>iodo?</i>	---	---
KIRIKIRI	<i>de</i>	<i>e</i>	<i>be</i>	---
EDOPI	<i>di</i>	<i>e</i>	<i>di</i>	---
IAU	<i>di</i>	<i>e</i>	<i>o</i>	---
DUVLE	<i>do</i>	<i>a</i>	<i>o</i>	---
DOUTAI	---	<i>a</i>	---	---
WARITAI	---	---	---	---
KAI	---	---	---	---
BIRITAI	<i>de</i>	<i>ai</i>	<i>de</i>	---
OBOKUITAI	<i>di</i>	<i>ai</i>	---	---
ERITAI	---	---	---	---
SIKARITAI	<i>di</i>	---	<i>ba</i>	---
KAURE	<i>hane</i>	<i>nene</i>	<i>koto</i>	---
BAUZI	<i>o-</i>	<i>i-</i>	<i>a-</i>	---
BERIK	<i>em</i>	---	---	---
ORYA	<i>em</i>	<i>nən</i>	<i>zen</i>	<i>zen</i>
DANI	<i>kat</i>	<i>nit</i>	<i>at</i>	<i>it</i>
DEMISA	---	---	---	---

Language	155. who	156. what	157. name	158. come
SAPONI	<i>mərɔyɔra^u</i>	<i>misila</i>	<i>nɔriamoyora</i>	<i>tura^u</i>
RASAWA	<i>bresaβo</i>	<i>bisiβo</i>	<i>uβa</i>	<i>tuβo</i>
AWERA	<i>neya</i>	<i>simsebe</i>	<i>oγa;βi</i>	<i>pru:die</i>
WEIRATE	<i>tore</i>	---	<i>adi sare</i>	<i>tiaje</i>
DEIRATE	---	---	---	<i>βiaje</i>
TAUSE	---	<i>idore</i>	<i>ati sira</i>	---
SEHUDATE	---	---	<i>ka</i>	<i>tire</i>
FAYU	---	---	<i>ai</i>	<i>ibo</i>
FAIA	<i>taβore</i>	---	<i>taβore?</i>	<i>kwe</i>
KIRIKIRI	<i>naboro</i>	<i>tedido</i>	<i>kwa</i>	<i>kwa</i>
EDOPI	<i>taiwε</i>	<i>teridi</i>	<i>ɔsi</i>	<i>mai</i>
IAU	<i>te</i>	<i>te-dε</i>	<i>ɔsu</i>	<i>ma</i>
DUVLE	<i>boⁱ</i>	<i>bri</i>	<i>o^lε</i>	<i>færi</i>
DOUTAI	---	<i>tei^εrε</i>	<i>ou^</i>	<i>prike</i>
WARITAI	---	<i>tirare</i>	<i>ou</i>	<i>φike</i>
KAI	---	<i>teijεsε</i>	<i>aso^uka</i>	<i>εpriko</i>
BIRITAI	<i>taoi</i>	<i>taho</i>	<i>atue</i>	<i>tore</i>
OBOKUITAI	<i>se</i>	<i>teig'ju-se</i>	<i>asukwa</i>	<i>hru-kwa</i>
ERITAI	---	<i>kwiteisε</i>	<i>esiba</i>	<i>huru-ku</i>
SIKARITAI	<i>te</i>	<i>ti</i>	<i>ata</i>	<i>pri-wa</i>
KAURE	<i>kar</i>	<i>kwa</i>	<i>ble</i>	<i>kahilaq</i>
BAUZI	<i>ama</i>	<i>ana</i>	<i>ε</i>	<i>lε</i>
BERIK	---	<i>basa</i>	<i>bosna</i>	<i>jila</i>
ORYA	<i>nara</i>	<i>basa</i>	<i>bose-na</i>	<i>hata-n</i>
DANI	<i>ta</i>	<i>nano</i>	<i>endage</i>	<i>amok</i>
DEMISA	<i>ahidama</i>	---	---	---

Language	159. go/walk	160. turn	161. know s.th.	162. hear
SAPONI	<i>mokitira</i>	<i>miyɔra^u</i>	<i>mamaⁱwɔ</i>	<i>mayɔra</i>
RASAWA	<i>uyuβe</i>	<i>tukwero</i>	<i>maboβiye</i>	<i>puaβo</i>
AWERA	<i>na:o</i>	<i>piri</i>	<i>morau</i>	<i>meyo</i>
WEIRATE	<i>tədije</i>	---	---	<i>bero</i>
DEIRATE	<i>daro</i>	<i>ka^ukwiaro</i>	---	<i>beo</i>
TAUSE	<i>ndaro</i>	<i>truwaro</i>	---	<i>bero</i>
SEHUDATE	<i>ja</i>	---	---	<i>ihaudɔ?</i>
FAYU	<i>jabo</i>	---	--	<i>beⁱyɔ</i>
FAIA	<i>kira</i>	---	---	---
KIRIKIRI	<i>kia</i>	<i>teia?</i>	<i>ɸua</i>	<i>beika</i>
EDOPI	<i>ja</i>	<i>ɔholai</i>	---	<i>jebəri</i>
IAU	<i>i</i>	<i>ɸoha</i>	<i>dəe</i>	<i>bi-bae</i>
DUVLE	<i>da/do^u</i>	<i>breⁱ ve^l</i>	<i>garura</i>	<i>bo^u/ba^ɛi</i>
DOUTAI	<i>sa</i>	---	---	<i>bgoru-wa</i>
WARITAI	---	---	---	<i>kru-wa</i>
KAI	---	---	---	<i>kwəri-wa</i>
BIRITAI	<i>se</i>	<i>tuedaya</i>	<i>eβi</i>	<i>bokadi-ka</i>
OBOKUITAI	<i>do-kwa</i>	<i>tuεrε-kwa</i>	<i>bi</i>	<i>kwəri-kwa</i>
ERITAI	---	---	---	<i>kwəri-ku</i>
SIKARITAI	---	---	---	<i>kue-wa</i>
KAURE	<i>katablüt</i>	<i>kanekore?</i>	<i>tawai</i>	<i>kahüla</i>
BAUZI	<i>la</i>	<i>vakte</i>	<i>ozaβəhut</i>	<i>aιi</i>
BERIK	<i>sofwer</i>	---	---	<i>sar-bana</i>
ORYA	<i>song gwen</i>	<i>wale gwen</i>	<i>tawa-na</i>	<i>salblan</i>
DANI	<i>nage</i>	<i>yendok-wandok</i>	<i>eenu</i>	<i>aruk konengge</i>
DEMISA	---	---	---	---

Language	163. see	164. search	165. talk	166. true
SAPONI	<i>mama<i>wə</i></i>	<i>a<i>iayawə</i></i>	<i>makwa<i>tō</i></i>	<i>wajfɔwə</i>
RASAWA	<i>pə<i>βo</i></i>	<i>paxə<i>βo</i></i>	<i>piyo<i>βoβo</i></i>	<i>pyere</i>
AWERA	<i>æ<i>yo</i></i>	<i>pwara</i>	<i>kɔ<i>βu</i></i>	<i>sigro<i>βu</i></i>
WEIRATE	<i>kwado</i>	---	<i>kawa-je</i>	---
DEIRATE	---	---	<i>foi-de</i>	---
TAUSE	<i>kwa</i>	<i>φoi<i>ri</i>ro</i>	---	<i>aφə<i>rə</i>re</i>
SEHUDATE	<i>biaro?</i>	---	---	---
FAYU	<i>bario</i>	<i>dago</i>	<i>beiyu</i>	---
FAIA	<i>hwa</i>	<i>berorou</i>	---	---
KIRIKIRI	<i>ɸua/φori</i>	<i>boka-dia</i>	<i>bora-dia</i>	<i>nauri</i>
EDOPI	<i>dɔ<i>ri</i></i>	<i>butetai</i>	---	<i>laki</i>
IAU	<i>dɔ<i>e</i></i>	<i>bo-tai</i>	<i>φoi</i>	<i>bebe</i>
DUVLE	<i>fə<i>/fo</i>u</i>	<i>diraro</i>	<i>po<i>u</i>ro/pe<i>i</i>ra</i>	<i>fæ<i>re</i></i>
DOUTAI	<i>bari^<i>-wa</i></i>	<i>b<small>rei</small>i^<i>-wa</i></i>	---	<i>tetorori</i>
WARITAI	<i>bari^<i>-wa</i></i>	<i>b<small>rei</small>i^<i>ti</i>-wa</i>	---	<i>tetorori</i>
KAI	<i>baru-wa</i>	<i>kateiji-wa</i>	---	<i>εorij/εorij</i>
BIRITAI	<i>badi</i>	<i>osoi-ka</i>	<i>atodida-ka</i>	<i>kitayε</i>
OBOKUITAI	<i>badub^<i>-kwa</i></i>	<i>akweseido-kwa</i>	<i>kude-kua</i>	<i>kwite</i>
ERITAI	<i>beja-ku</i>	<i>okwesaido-ku</i>	---	<i>bakai</i>
SIKARITAI	<i>bεju-a</i>	<i>akasi<i>dju</i>-a</i>	---	<i>elekwε</i>
KAURE	<i>kahula</i>	<i>kahulut</i>	<i>kabru</i>	<i>nana?</i>
BAUZI	<i>aa</i>	<i>nabi</i>	<i>imvamea</i>	<i>imbot</i>
BERIK	<i>damtana</i>	<i>terebili</i>	---	<i>bunar</i>
ORYA	<i>hla-tan</i>	<i>teibin</i>	<i>ton</i>	<i>eiwa</i>
DANI	<i>pekkage</i>	<i>kwaake</i>	<i>wone mbangge</i>	<i>abet</i>
DEMISA	---	---	---	---

Language	167. drink	168. suck	169. eat	170. spit
SAPONI	<i>o-yawo</i>	<i>tu-yawo</i>	<i>ki-wawo</i>	<i>nɔyuuweneje</i>
RASAWA	<i>o-xaβo</i>	<i>tu-xaβo</i>	<i>ki-βaβo</i>	<i>tuβe-xaβo</i>
AWERA	<i>tu</i>	<i>tuwo</i>	<i>mro</i>	<i>rwəβo</i>
WEIRATE	<i>ira tawaje</i>	<i>totawaje</i>	<i>tawaje</i>	---
DEIRATE	<i>faja</i>	<i>ma</i>	<i>jafa</i>	<i>fikwaja</i>
TAUSE	<i>eda</i>	<i>boirə</i>	<i>ya</i>	<i>ɸligoya</i>
SEHUDATE	---	---	---	---
FAYU	---	---	<i>to</i>	---
FAIA	---	---	<i>to-dao</i>	---
KIRIKIRI	<i>na-sa</i>	<i>sa</i>	<i>sa</i>	---
EDOPI	<i>ira-udai</i>	---	<i>sai</i>	<i>butɔra</i>
IAU	<i>e-sa</i>	<i>tui</i>	<i>sa</i>	<i>be-u-toe</i>
DUVLE	<i>dia/duo</i>	<i>dia</i>	<i>dia</i>	<i>site'ε viæ fru</i>
DOUTAI	<i>kwi^da-wa</i>	<i>bosuru-wa</i>	---	<i>pri^pu-wa</i>
WARITAI	<i>kwito-wa</i>	<i>bruru-wa</i>	---	<i>ɸripu-wa</i>
KAI	<i>kwida-wa</i>	<i>beturu-wa</i>	---	<i>ɸrituru-wa</i>
BIRITAI	<i>kita-ka</i>	<i>betuda-ka</i>	<i>da-ka</i>	<i>hi^</i>
OBOKUITAI	<i>arig⁷-kwig⁷de-kwa</i>	<i>beturu-kwa</i>	<i>da-kwa/do-kwa</i>	<i>hrig⁷</i>
ERITAI	<i>kwida-ku</i>	<i>kekrido-ku</i>	---	<i>kurehei</i>
SIKARITAI	<i>kug sa-wa</i>	<i>botuwə-wa</i>	---	<i>pidtueju-a</i>
KAURE	<i>tamble</i>	<i>yalu</i>	<i>kande</i>	<i>sui</i>
BAUZI	<i>ude</i>	<i>tomo tomo</i>	<i>æ</i>	<i>keha</i>
BERIK	<i>fostelbili</i>	<i>sorom tana</i>	---	<i>fasaula</i>
ORYA	<i>otdebin</i>	<i>srok-gun</i>	<i>tembanegwen</i>	<i>olp gun</i>
DANI	<i>yinengge</i>	<i>nik nengge</i>	<i>nengge</i>	<i>awoori pege</i>
DEMISA	---	---	---	---

Language	171. vomit (v)	172. hit	173. stab	174. kill
SAPONI	əlugawɔ	siyawɔ	---	ayawɔ
RASAWA	ao-xaβo	pasiro	kwero	guro
AWERA	au	moru	sio	pra
WEIRATE	oboregero	taje	besere-je	---
DEIRATE	aru kwa	a	ɸo	isadasako
TAUSE	arobegi	ɸoro	bezəro	ɸoro?
SEHUDATE	---	---	---	---
FAYU	kuaiɔ	tayɔ	---	---
FAIA	u	kai	barare	---
KIRIKIRI	u	kai	blare	kware/kai?
EDOPI	u-bali	jai	kabedie	bai
IAU	utoε	di-a	ui	di
DUVLE	i-æn̩	o <u>u</u> ru bra	---	va
DOUTAI	kru ^u du-wa	bai ^u -wa	---	---
WARITAI	ku ^u du-wa	bai ^u -wa	---	---
KAI	kru ^u ku-wa	bai-wa/ba ^u -wa	---	---
BIRITAI	edaruda-ka	tida-ka	betida-ka	ka-ka---
OBOKUITAI	krib ^u dε-kwa	kwig ^u dε-kwa	be-tdaig ^u wa	aub ^u kore-kwa
ERITAI	kurudo-ku	dokwau-ku	---	---
SIKARITAI	ku doa	bog ^u -wa	---	ku-wa
KAURE	kohu	kakwila	kapiangke	kahu
BAUZI	itvɔ	beɔ	sotε	otε
BERIK	mumwa	sabtana	---	---
ORYA	wæk gwen	lek	dang gulblun	tan
DANI	peyak wuke	wake	warogomambege	waru
DEMISA	---	---	---	---

Language	175. die	176. live	177. scrape	178. sit
SAPONI	<i>te^l-yawo</i>	<i>kuwabo</i>	<i>kiwi-yawo</i>	<i>kwawo</i>
RASAWA	<i>tj^oo</i>	<i>o:kakwa^βo</i>	<i>kijieka^βo</i>	<i>kuwa^βo</i>
AWERA	<i>pæ</i>	<i>dwe:ri</i>	<i>kiye</i>	<i>kaʃi</i>
WEIRATE	<i>saya</i>	<i>wayi</i>	<i>kwari</i>	---
DEIRATE	---	---	<i>dojaka</i>	<i>ɸoko</i>
TAUSE	<i>saya</i>	---	<i>kwari-do</i>	<i>fogli</i>
SEHUDATE	---	---	---	---
FAYU	<i>tetare</i>	---	---	<i>koro</i>
FAIA	<i>soi</i>	---	<i>klie</i>	<i>bogo</i>
KIRIKIRI	<i>soi</i>	<i>mayai</i>	<i>klia</i>	<i>bogo</i>
EDOPI	<i>suai</i>	<i>udede^ye</i>	<i>idiarie</i>	<i>bawadie</i>
IAU	<i>sui</i>	<i>hæsi</i>	<i>i</i>	<i>bau-de</i>
DUVLE	<i>saya^u</i>	<i>gari bu</i>	---	<i>dæri/doru</i>
DOUTAI	<i>eisei^ake</i>	<i>wrapai^ake</i>	---	<i>wɛi-wa</i>
WARITAI	<i>perike</i>	<i>wapaka</i>	<i>kokiri-wa</i>	<i>wei-wa</i>
KAI	<i>kaisobekoru</i>	<i>akapuru-wa</i>	<i>dia-wa?</i>	<i>buhu-wa</i>
BIRITAI	<i>towe</i>	<i>ahoi</i>	<i>hoa-ka</i>	<i>ebohe-ka</i>
OBOKUITAI	<i>kade-kua</i>	<i>au-hai-kwa</i>	<i>bekrig^lde-kwa</i>	<i>behig^l-kwa</i>
ERITAI	<i>tohoi-ku</i>	<i>ouhei</i>	<i>bekido-ku</i>	<i>wəhi-ku</i>
SIKARITAI	<i>tabig^lko</i>	<i>ahakud^lko</i>	<i>b^lgiju-a</i>	<i>ug^lsog^ljua</i>
KAURE	<i>kahilang</i>	<i>halia</i>	<i>kakwatri</i>	<i>namaipa?</i>
BAUZI	<i>elo</i>	<i>ahede</i>	<i>k^lke</i>	<i>nusu</i>
BERIK	<i>futu</i>	<i>nuisansona</i>	<i>titiwora</i>	<i>nuini</i>
ORYA	<i>tin</i>	<i>ngay gwen</i>	<i>jun</i>	<i>nikin</i>
DANI	<i>kanggerak</i>	<i>eenik</i>	<i>nggibiingge</i>	<i>kwi?nage</i>
DEMISA	---	---	---	---

Language	179. stand	180. no/not	181. bathe	182. fall
SAPONI	<i>ta'rau</i>	<i>ari-fe-je</i>	<i>kɔbu-yawo</i>	<i>fasa-yawo</i>
RASAWA	<i>taro</i>	<i>poesi</i>	<i>deo-xa</i>	<i>ida-kaj̪o</i>
AWERA	<i>traβi</i>	<i>maʃbe</i>	<i>næpi</i>	<i>pəgi</i>
WEIRATE	---	---	---	---
DEIRATE	<i>tejata</i>	<i>kai</i>	<i>dīro</i>	<i>kaukwa</i>
TAUSE	<i>teji-do</i>	<i>kai</i>	<i>era tero</i>	<i>kauβəro</i>
SEHUDATE	---	---	---	---
FAYU	<i>taribo</i>	<i>bai/wai</i>	---	---
FAIA	<i>nara</i>	<i>dueo</i>	<i>sura</i>	---
KIRIKIRI	<i>di^are</i>	<i>tau</i>	<i>tu^ra</i>	<i>ira boisia</i>
EDOPI	<i>bidari</i>	<i>kai</i>	<i>hora</i>	<i>uda ije</i>
IAU	<i>ui</i>	<i>ai</i>	<i>hoe</i>	<i>baisi</i>
DUVLE	<i>to^/tε^</i>	<i>ki</i>	<i>dobr-/dobu-</i>	<i>brobi/brobu</i>
DOUTAI	<i>kou-wa</i>	<i>bei</i>	<i>puri-wa</i>	<i>waturu-wa</i>
WARITAI	<i>witoida</i>	---	<i>wa-tu^du-wa</i>	<i>paiwəri-wa</i>
KAI	<i>wita-wa</i>	---	<i>wa-tu^j-wa</i>	<i>watu^j-wa</i>
BIRITAI	<i>bitəra-kwa</i>	<i>bei-ho</i>	<i>haitata</i>	<i>haisa-kwa</i>
OBOKUITAI	<i>kwite-arig^kwa</i>	<i>beig^/ka</i>	<i>teig^kwa</i>	<i>haig^kwa</i>
ERITAI	<i>kitai-ku</i>	---	<i>turo-ku</i>	<i>haiseturo-ku</i>
SIKARITAI	<i>ug^to-wa</i>	<i>kad^</i>	<i>watig^ju-a</i>	<i>watig^ju-a</i>
KAURE	<i>embatuq</i>	<i>kaholi</i>	<i>bikule</i>	<i>karjela</i>
BAUZI	<i>duzu</i>	<i>kai</i>	<i>əhu</i>	<i>bite</i>
BERIK	<i>fina</i>	---	<i>fos abuli</i>	<i>janton</i>
ORYA	<i>zaun</i>	<i>bahem</i>	<i>hosa awan</i>	<i>zan</i>
DANI	<i>mi^nage</i>	<i>lek</i>	<i>nggume wake</i>	<i>yigeebu wangge</i>
DEMISA	---	---	---	---

Language	183. lay	184. sleep	185. dream	186. grab
SAPONI	<i>ke'awo</i>	<i>ke'awote'sau</i>	<i>awape'e</i>	<i>sara<u>u</u></i>
RASAWA	<i>kariaʃo</i>	---	<i>pio</i>	<i>swaro</i>
AWERA	<i>tegi</i>	<i>piao</i>	<i>aβaβɔ</i>	<i>swa</i>
WEIRATE	---	---	---	---
DEIRATE	---	<i>ɸaka</i>	---	<i>sau</i>
TAUSE	---	<i>ɸayara-do</i>	---	<i>araro</i>
SEHUDATE	---	---	---	---
FAYU	---	<i>ɸari</i>	---	---
FAIA	---	---	---	---
KIRIKIRI	<i>tadu</i>	<i>tadu</i>	---	<i>ɸliye</i>
EDOPI	<i>arubidarie</i>	<i>tawi</i>	<i>hebetide</i>	<i>deteri</i>
IAU	<i>tai</i>	<i>ɸæ-kaε</i>	<i>taiha</i>	<i>dai side</i>
DUVLE	<i>tobi/tobu</i>	<i>tobi/tobu</i>	<i>toⁱprie feⁱ</i>	<i>sesε</i>
DOUTAI	---	<i>kweɪ^jiwa</i>	<i>gaikokweɪ-jiwa</i>	<i>do-wa</i>
WARITAI	---	<i>kake</i>	<i>kaipike</i>	<i>toke</i>
KAI	---	<i>ka-wa</i>	<i>akikoka-wa</i>	<i>do-wa</i>
BIRITAI	<i>akwa</i>	<i>ka</i>	<i>auwa-kwa</i>	<i>ki-ka</i>
OBOKUITAI	<i>tei-ko-kuai</i>	<i>kaig^ŋ-kwa</i>	<i>akai-kaig^ŋ-kwa</i>	<i>doub^ŋ-kwa</i>
ERITAI	---	<i>keido-ku</i>	<i>ekeikeido-ku</i>	<i>do-ku</i>
SIKARITAI	---	<i>keju-a</i>	<i>aked^ŋ keju-a</i>	<i>do-wa</i>
KAURE	<i>kataiyangse</i>	<i>hei?</i>	<i>kosi</i>	<i>kalpela</i>
BAUZI	<i>bisu</i>	<i>i</i>	<i>ule</i>	<i>vietɔ</i>
BERIK	---	<i>nustana</i>	<i>esertana</i>	<i>tæbini</i>
ORYA	<i>glang gwen</i>	<i>nisi-tan</i>	<i>aïsil gwen</i>	<i>irikgin</i>
DANI	<i>windik wonage</i>	<i>nogo yege</i>	<i>abi kage</i>	<i>pigagangge</i>
DEMISA	---	---	---	---

Language	187. give	188. blow	189. breathe	190. cough
SAPONI	<i>tara^u</i>	<i>fuwara^u</i>	<i>mo^uire</i>	<i>tawi-γawo</i>
RASAWA	<i>pa:ro</i>	<i>puriro</i>	<i>osih</i>	<i>urū-xɔ-xa</i>
AWERA	<i>mærie</i>	<i>puo</i>	<i>pu</i>	<i>oβukəri</i>
WEIRATE	---	<i>phiye</i>	---	<i>tayo</i>
DEIRATE	<i>koφi</i>	<i>φaka</i>	---	<i>taku</i>
TAUSE	---	<i>βuaro</i>	---	<i>tayaro</i>
SEHUDATE	---	---	---	---
FAYU	---	<i>düyo/behura</i>	---	---
FAIA	---	<i>φue</i>	---	<i>kosawari</i>
KIRIKIRI	<i>tu</i>	<i>uwa</i>	<i>φia</i>	<i>kosawari</i>
EDOPI	<i>dihuruφuahɔrai</i>	<i>bɔitai</i>	---	<i>taudai</i>
IAU	<i>baε</i>	<i>φai</i>	<i>bosi</i>	<i>taui</i>
DUVLE	<i>boγ/bo^u</i>	---	<i>fɔr/foru</i>	<i>tyaraburoro</i>
DOUTAI	---	<i>bopuru-wa</i>	---	<i>tagara</i>
WARITAI	---	<i>bguru-wa</i>	---	<i>ta</i>
KAI	---	<i>buhuru-wa</i>	---	<i>tagapai^i-wa</i>
BIRITAI	<i>behi-ka</i>	<i>bohura-ka</i>	<i>asa</i>	<i>tauda-ka</i>
OBOKUITAI	<i>behig⁷</i>	<i>bohuro-kwa</i>	<i>asa</i>	<i>trakur-kwa</i>
ERITAI	---	<i>bohuro-ku</i>	---	<i>kohoruku</i>
SIKARITAI	---	<i>kepig⁷ju-a</i>	<i>asai</i>	<i>awad⁷trapewawa</i>
KAURE	<i>kaklung</i>	<i>kasrung</i>	<i>kaxnε</i>	<i>tɔxsü</i>
BAUZI	<i>lo</i>	<i>feu</i>	<i>ɔhε</i>	<i>zu</i>
BERIK	---	<i>forola</i>	---	<i>weremgwebali</i>
ORYA	<i>golblan</i>	<i>hohop gwen</i>	<i>ensasa gwen</i>	<i>sasmen gwen</i>
DANI	<i>wogoru</i>	<i>kani puge</i>	<i>ambe agabuk wungge</i>	<i>tonggok</i>
DEMISA	---	---	---	<i>jusetɛra</i>

Language	191. count	192. dig	193. afraid	194. shy
SAPONI	<i>misikwaifayara</i>	---	<i>ko<u>w</u>o</i>	<i>mamueif-yawə</i>
RASAWA	<i>bayeya</i>	<i>areaxa</i>	<i>kujə</i>	<i>oxosika</i>
AWERA	<i>nye</i>	<i>kəgri</i>	<i>pwi</i>	<i>osi</i>
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	---	<i>kawi-do</i>	<i>uraro</i>	---
SEHUDATE	---	---	---	---
FAYU	---	---	---	---
FAIA	---	---	---	---
KIRIKIRI	---	<i>sia</i>	<i>karua</i>	<i>ɸikarua</i>
EDOPI	<i>aidodi</i>	---	<i>edibali</i>	<i>kowai</i>
IAU	<i>oi i^</i>	<i>hui</i>	<i>ima</i>	<i>iau</i>
DUVLE	<i>bæriri</i>	---	<i>ke^j/ko^u</i>	<i>ke^j/ko^u</i>
DOUTAI	<i>obia-wa</i>	<i>ɸuja-wa</i>	<i>kwəri^-jiwa</i>	<i>grapouyu-wa</i>
WARITAI	<i>obiari-wa</i>	<i>ɸutari-wa</i>	<i>kwəri^-wa</i>	<i>katari-wa</i>
KAI	<i>obia-wa</i>	<i>huju-wa</i>	<i>karuju-wa</i>	<i>akoɸouji-wa</i>
BIRITAI	<i>beida-ka</i>	<i>hua-ka</i>	<i>kecia-ka</i>	<i>aduadada-ka</i>
OBOKUITAI	<i>beig⁷de-kwa</i>	<i>horo-kwa</i>	<i>kwesid⁷-adud⁷-kwa</i>	<i>akuri-edo-kwa</i>
ERITAI	<i>bia-ku</i>	<i>horo-ku</i>	<i>kwasieri-ku</i>	<i>akraido-ku</i>
SIKARITAI	<i>biu-wa</i>	<i>hug⁷ju-a</i>	<i>koodo-a</i>	<i>aketale-wa</i>
KAURE	<i>kakəlangte</i>	<i>kahuli</i>	<i>ho</i>	<i>axlit</i>
BAUZI	<i>de</i>	<i>si</i>	<i>iede</i>	<i>lade</i>
BERIK	<i>eterbili</i>	<i>terbili</i>	<i>erne</i>	<i>sefersona</i>
ORYA	<i>aïtbin</i>	<i>triyun</i>	<i>aïrin</i>	<i>saher gwer</i>
DANI	<i>eenggi</i> <i>lunggungge</i>	<i>kabungge</i>	<i>agabiti</i>	<i>inikienggali</i>
DEMISA	---	---	---	---

Language	195. cry	196. sing	197. play	198. push
SAPONI	<i>maki-sawo</i>	<i>weti-yawo</i>	<i>fuaⁱ-yawo</i>	<i>firi-yawo</i>
RASAWA	<i>kiza</i>	<i>we:toko^oso</i>	<i>pwayaka</i>	<i>giriya</i>
AWERA	<i>ka:ru</i>	<i>pori</i>	<i>ni</i>	<i>swane</i>
WEIRATE	<i>jero</i>	---	---	---
DEIRATE	<i>ju</i>	---	---	<i>a^uro</i>
TAUSE	<i>uro</i>	<i>dobaro</i>	<i>aro</i>	<i>aururo</i>
SEHUDATE	---	---	---	---
FAYU	---	---	---	---
FAIA	<i>hura</i>	---	---	---
KIRIKIRI	<i>φua</i>	<i>wiakwa</i>	<i>φabia</i>	---
EDOPI	<i>idai</i>	<i>uwalai</i>	<i>kuele</i>	<i>sidotorai</i>
IAU	<i>e</i>	<i>u-o</i>	<i>ao bobi</i>	<i>si t^oe-a</i>
DUVLE	<i>zoru</i>	<i>sue^re pe^ra</i>	<i>kriri/kruro</i>	<i>bo^uru bari</i>
DOUTAI	<i>teri[^]-wa</i>	<i>ki[^]εrikri[^]diwa</i>	<i>kariji-wa</i>	<i>bowabiwa</i>
WARITAI	<i>teri[^]-wa</i>	<i>oriarikri[^]diwa</i>	<i>karidi-wa</i>	<i>biwabiwa</i>
KAI	<i>togouju-wa</i>	<i>kierikri-wa</i>	<i>pago^uju-wa</i>	<i>bijatoru-wa</i>
BIRITAI	<i>tedu-kwa</i>	<i>keida-ka</i>	<i>haida-ka</i>	<i>bitahai-ka</i>
OBOKUITAI	<i>ire-kwa</i>	<i>kig^γjeri</i>	<i>karub^γde-kwa</i>	<i>bohoig^γ-kwa</i>
ERITAI	<i>iro-ku</i>	<i>kijeri</i>	<i>karudo-ku</i>	<i>betakug^γdo-ku</i>
SIKARITAI	<i>poue-wa</i>	<i>dodekuri-wa</i>	<i>kado-a</i>	<i>bid^γtakug^γjua</i>
KAURE	<i>kung</i>	<i>wari</i>	<i>rua</i>	<i>kɔt^θe</i>
BAUZI	<i>me</i>	<i>lade</i>	<i>siki</i>	<i>ɔdɔsu</i>
BERIK	<i>sinar</i>	<i>simal twora</i>	<i>ugulup gwenar</i>	<i>bæluli</i>
ORYA	<i>gosa gwëm</i>	<i>tærsty-tan</i>	<i>asyas gwen</i>	<i>ata-tan</i>
DANI	<i>li yege</i>	<i>ndawi wake</i>	<i>wulogwe nggilik kunggwe</i>	<i>panggonggwi</i>
DEMISA	---	---	---	---

Language	199. pull	200. rub	201. wipe	202. wash
SAPONI	<i>kira^u</i>	<i>kirirao</i>	<i>tirirao</i>	<i>tiriya^u</i>
RASAWA	<i>suβexa</i>	<i>gigixa</i>	<i>bitoxo</i>	<i>sirika</i>
AWERA	<i>sosi</i>	<i>nri:</i>	<i>kyegi</i>	<i>kægi</i>
WEIRATE	---	---	---	---
DEIRATE	---	<i>uebo</i>	---	---
TAUSE	<i>sakraro</i>	<i>kira</i>	---	<i>era-te-do</i>
SEHUDATE	---	---	---	---
FAYU	---	<i>haiɔ</i>	---	---
FAIA	---	---	---	---
KIRIKIRI	<i>beira</i>	<i>bei[^]a</i>	<i>ɸara-de</i>	<i>na-sa</i>
EDOPI	<i>detebete</i>	<i>ɔgɔtɔrai</i>	<i>suelie</i>	<i>ɔgɔtɔrai</i>
IAU	<i>tai</i>	<i>bε</i>	<i>sui</i>	<i>da</i>
DUVLE	---	<i>bari/baru</i>	<i>v/u</i>	<i>zari/zaru</i>
DOUTAI	<i>dokri[^]ji-wa</i>	---	---	<i>wari kriri-wa</i>
WARITAI	<i>tokidi-wa</i>	---	---	<i>wari tei-wa</i>
KAI	<i>duguju-wa</i>	---	---	<i>waro kgiri-wa</i>
BIRITAI	<i>dakide-ka</i>	<i>baida-ka</i>	---	<i>batua-ka</i>
OBOKUITAI	<i>dokwride-kwa</i>	<i>kikig[^]de-kwa</i>	<i>soa-kwa</i>	<i>kikig[^]de-kwa</i>
ERITAI	<i>dokurido-ku</i>	---	---	<i>kikiro-ku</i>
SIKARITAI	<i>dokude</i>	---	---	<i>wakre-wa</i>
KAURE	<i>maliau</i>	<i>kasriq</i>	<i>ambauntik</i>	<i>kahatə</i>
BAUZI	<i>vihič</i>	<i>noi</i>	<i>fato</i>	<i>kike</i>
BERIK	<i>dekolui/bafta</i>	---	---	<i>wirtababali</i>
ORYA	<i>il gin</i>	<i>bwap-bwap-tan</i>	<i>gle-yul-sun</i>	<i>glæ-tasibin</i>
DANI	<i>iniki ale?</i> <i>nggen mbake</i>	<i>ulinggaungge</i>	<i>kooke</i>	<i>kooke lambunogo</i> <i>keele maake</i>
DEMISA	---	---	---	---

Language	203. pinch	204. throw	205. six	206. seven
SAPONI	<i>caunyawa</i>	<i>fiyawo</i>	<i>nawarewakila</i>	<i>nawarewakose</i>
RASAWA	<i>kaβiswa</i>	<i>ururo</i>	<i>ta</i>	<i>traice</i>
AWERA	<i>poguswa</i>	<i>kotu</i>	<i>neriaβæ</i>	<i>nre</i>
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	---	<i>koyaro</i>	---	---
SEHUDATE	---	---	---	---
FAYU	---	<i>gago</i>	---	---
FAIA	---	---	---	---
KIRIKIRI	---	<i>tuyla</i>	---	---
EDOPI	---	<i>torai</i>	<i>kai idu busuwe</i>	<i>kai idu bɔrəbe</i>
IAU	<i>i ki</i>	<i>toε</i>	<i>ɔi abo e koe</i> <i>bisi-be</i>	<i>ɔi abo bɔ-be</i>
DUVLE	---	<i>kæ ve^j/vo^u</i>	<i>zuo bia zuo bia</i>	---
DOUTAI	---	<i>bekəbiro</i>	---	---
WARITAI	---	<i>bətgi^ara</i>	---	---
KAI	---	<i>bituru-wa</i>	---	---
BIRITAI	<i>tui-da-ka</i>	<i>u-da-ka</i>	---	---
OBOKUITAI	---	<i>bitokoro-kwa</i>	2+2+1	2+2+2+1
ERITAI	---	<i>tokoru-ku</i>	---	---
SIKARITAI	---	<i>tueju-a</i>	---	---
KAURE	<i>katrela</i>	<i>kaleke</i>	3+3	---
BAUZI	<i>bɔa</i>	<i>vɔɔ</i>	<i>au mei vi va</i>	5+2
BERIK	---	---	5+1	5+2
ORYA	<i>etek tan</i>	<i>tak gun</i>	5+1	5+2
DANI	<i>mbuku paku</i> <i>wake eeriyak</i>	<i>yugum nambuke</i>	---	---
DEMISA	---	---	---	---

Language	207. eight	208. nine	209. ten	210. hole
SAPONI	<i>nawarewatuwawo</i>	<i>nawarewa<i>i</i>sero</i>	<i>isere</i>	<i>awore</i>
RASAWA	<i>ta:rjβo</i>	<i>taruβo</i>	<i>ize</i>	---
AWERA	<i>niraya</i>	<i>niroswa</i>	<i>na:ruugwra</i>	---
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	---	---	---	<i>wayara</i>
SEHUDATE	---	---	---	---
FAYU	---	---	---	---
FAIA	---	---	---	---
KIRIKIRI	---	---	---	<i>kwari</i>
EDOPI	<i>kai idu hoibe</i>	<i>kodadie</i>	<i>kai borəbei</i>	---
IAU	<i>ɔi abo baui-be</i>	<i>ɔi abo bɔhai</i> <i>bɔhaide</i>	<i>ɔi phahu ais</i> <i>itoede</i>	<i>a-ka</i>
DUVLE	---	---	---	<i>gora</i>
DOUTAI	---	---	---	<i>ɸu</i>
WARITAI	---	---	---	<i>ɸu</i>
KAI	---	---	---	<i>ɸu</i>
BIRITAI	---	---	---	<i>hu</i>
OBOKUITAI	2+2+2+2	2+2+2+2+1	2+2+2+2+2	<i>abohub'</i>
ERITAI	---	---	---	<i>okwehu</i>
SIKARITAI	---	---	---	<i>hugjako</i>
KAURE	---	---	---	---
BAUZI	5+3	5+4	5+5	<i>bumat</i>
BERIK	5+3	5+4	---	<i>mwa</i>
ORYA	5+2+1	5+2+2	5+5	<i>mwa</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	212. flower	213. firewood	214. faeces
SAPONI	<i>ura<i>l</i>iwirε</i>	---	---
RASAWA	---	---	---
AWERA	---	---	---
WEIRATE	---	<i>bo</i>	<i>ɸa</i>
DEIRATE	---	<i>bo</i>	---
TAUSE	<i>kweta</i>	<i>bo</i>	<i>ɸa</i>
SEHUDATE	---	<i>bu</i>	<i>ɸa</i>
FAYU	---	<i>bu</i>	<i>ɸa</i>
FAIA	---	<i>bo</i>	<i>ɸa</i>
KIRIKIRI	<i>dura</i>	<i>bo</i>	<i>ɸa</i>
EDOPI	---	<i>bɔri</i>	<i>ha</i>
IAU	<i>bε</i>	<i>bɔε</i>	<i>ɸa</i>
DUVLE	---	---	---
DOUTAI	<i>sari</i>	<i>bo</i>	<i>pari</i>
WARITAI	<i>sari</i>	---	<i>su^di?</i>
KAI	<i>buka</i> (Indo.)	---	<i>ɸari</i>
BIRITAI	<i>uado</i>	<i>bo</i>	<i>hoi</i>
OBOKUITAI	<i>ig'kueg'do</i>	---	<i>hare</i>
ERITAI	<i>osusai</i>	---	<i>hare</i>
SIKARITAI	<i>asuse</i>	---	<i>pale</i>
KAURE	---	---	---
BAUZI	<i>ava</i>	<i>ziya</i>	<i>haε</i>
BERIK	<i>ese</i>	---	<i>u</i>
ORYA	<i>eis</i>	<i>te syauk</i>	<i>u</i>
DANI	---	---	---
DEMISA	---	---	---

Language	215. urine	216. penis	217. scrotum	218. crooked
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	<i>ti</i>	---	---	---
DEIRATE	---	<i>atu</i>	<i>akwi</i>	<i>atkwowo</i>
TAUSE	<i>ti</i>	<i>atu</i>	<i>agwi</i>	---
SEHUDATE	<i>ti</i>	<i>ti</i>	<i>kwi</i>	---
FAYU	---	<i>atü</i>	---	---
FAIA	---	<i>su</i>	<i>kwi</i>	---
KIRIKIRI	<i>ti</i>	<i>tu[^]</i>	<i>kwi[^]</i>	<i>bo-ue</i>
EDOPI	---	<i>tura</i>	<i>tou</i>	---
IAU	<i>si</i>	<i>sui</i>	<i>tep⁷</i>	<i>bɔ-be</i>
DUVLE	---	---	---	---
DOUTAI	<i>si[^]</i>	---	---	<i>togoi</i>
WARITAI	<i>ti[^]di</i>	---	---	<i>togwei</i>
KAI	<i>si</i>	---	---	<i>tawei</i>
BIRITAI	<i>tide</i>	<i>a-ki</i>	<i>a-sudo</i>	<i>tueda-ka</i>
OBOKUITAI	<i>sig⁷de</i>	<i>a-tub⁷</i>	<i>a-kwig⁷</i>	<i>tebare</i>
ERITAI	<i>si</i>	---	--	<i>takwiei</i>
SIKARITAI	<i>sig⁷</i>	---	---	<i>tueako</i>
KAURE	---	---	---	---
BAUZI	<i>uak</i>	<i>laso</i>	<i>ələhu</i>	<i>fizuhu</i>
BERIK	<i>su</i>	---	---	<i>kækara</i>
ORYA	<i>su</i>	<i>to</i>	<i>sorop</i>	<i>gwagwa-na</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	219. bandicoot	220. a boil	221. cheek	222. chest
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	---	---	---	---
DEIRATE	<i>ɸadi</i>	---	---	---
TAUSE	---	<i>səraya</i>	<i>toua</i>	<i>ɸoyai</i>
SEHUDATE	---	---	---	---
FAYU	---	---	---	---
FAIA	---	---	---	---
KIRIKIRI	<i>ɸari</i>	---	<i>dəri</i>	---
EDOPI	---	---	---	---
IAU	---	<i>atai</i>	<i>bi</i>	<i>bi^</i>
DUVLE	---	---	---	---
DOUTAI	---	<i>po</i>	<i>daku^</i>	<i>gobai^</i>
WARITAI	---	<i>sari</i>	<i>raku</i>	<i>kurari</i>
KAI	---	<i>kaboguruko</i>	<i>atakuw</i>	<i>ago<u>w</u>asa</i>
BIRITAI	---	<i>tude</i>	<i>a-tohai</i>	<i>a-kəhai</i>
OBOKUITAI	<i>herig⁷</i>	<i>duri</i>	<i>a-kwə-kub⁷</i>	<i>a-kobaig⁷</i>
ERITAI	---	<i>duri</i>	<i>okweyakug⁷</i>	<i>otodiakug⁷</i>
SIKARITAI	---	<i>pote</i>	<i>aweaug⁷</i>	<i>outa</i>
KAURE	---	---	---	---
BAUZI	<i>ləkeə</i>	<i>oubule</i>	<i>ədε</i>	<i>ahude</i>
BERIK	---	<i>sæsiyu</i>	<i>olbum</i>	<i>danggo</i>
ORYA	---	<i>eikwizim</i>	<i>ibum-nu</i>	<i>dang</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	223. chin	224. eyebrow	225. eyelash	226. forehead
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	<i>kwayi</i>	<i>waya kasu</i>	<i>wayari</i>	<i>taywa</i>
SEHUDATE	---	---	---	---
FAYU	---	---	---	---
FAIA	---	---	---	---
KIRIKIRI	<i>kwawa</i>	---	---	<i>kla-kai</i>
EDOPI	---	---	---	---
IAU	<i>baui φœ</i>	<i>ɸε i^su</i>	<i>ɸε su</i>	<i>ma</i>
DUVLE	---	---	---	---
DOUTAI	<i>wəku^</i>	<i>wraebgeri</i>	<i>wraekri</i>	<i>bararu</i>
WARITAI	<i>wəku^</i>	<i>waruki</i>	<i>waruki</i>	<i>bararu</i>
KAI	<i>awɛi</i>	<i>awati^akeri</i>	<i>awati^akeri</i>	<i>akataru</i>
BIRITAI	<i>a-tauhai</i>	<i>aru</i>	<i>au-ahai</i>	<i>aihai</i>
OBOKUITAI	<i>a-boub'ari</i>	<i>adu-aki</i>	<i>au-abri</i>	<i>a-kudei</i>
ERITAI	<i>okwebou</i>	<i>oweki</i>	<i>owekri</i>	<i>okutaru</i>
SIKARITAI	<i>aweapit'</i>	<i>apaki</i>	<i>apatig' alauri</i>	<i>apaug'ta</i>
KAURE	---	---	---	---
BAUZI	<i>odəhaəzo</i>	<i>aətau</i>	<i>fakətau</i>	<i>dauha</i>
BERIK	<i>olele</i>	<i>nue safə</i>	<i>nue safə</i>	<i>mir</i>
ORYA	<i>əkmuk-nu</i>	<i>nwe-ala</i>	<i>nwe-ala</i>	<i>mire</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	227. heel	228. knee	229. shoulder	230. sweat
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	<i>toi abəri</i>	<i>ɸogəru</i>	<i>krowi</i>	<i>i^ɛ</i>
SEHUDATE	---	---	---	---
FAYU	---	<i>ahuta</i>	---	<i>duhu</i>
FAIA	---	---	---	---
KIRIKIRI	<i>toua</i>	<i>ɸou</i>	<i>dəɸi</i>	<i>i^e</i>
EDOPI	---	<i>soitiri</i>	---	<i>dita?</i>
IAU	<i>ɛ au</i>	<i>soi</i>	<i>ɸui</i>	<i>di</i>
DUVLE	---	---	<i>zobira</i>	<i>dua</i>
DOUTAI	<i>doku^</i>	<i>osu^ja</i>	<i>baku^daru</i>	<i>di^wɸru^</i>
WARITAI	<i>rəku^</i>	<i>ru^da</i>	<i>kaku^daru</i>	<i>baritri^</i>
KAI	<i>a-tou</i>	<i>a-su^a</i>	<i>a-kou^taru</i>	<i>digwəri</i>
BIRITAI	<i>a-toyao</i>	<i>a-hutau</i>	<i>a-satadu</i>	<i>soijaka</i>
OBOKUTTAI	<i>ato-kub^</i>	<i>a-sua-kub^</i>	<i>ahakub^-tarub^</i>	<i>tekia</i>
ERITAI	<i>otoku</i>	<i>osuakug</i>	<i>etahu</i>	<i>tekia</i>
SIKARITAI	<i>atog^</i>	<i>asiad^</i>	<i>akaug^</i>	<i>ked^</i>
KAURE	---	---	---	---
BAUZI	<i>usahabu</i>	<i>ouha</i>	<i>gjaha</i>	<i>nuhate</i>
BERIK	<i>tof tanamu</i>	<i>samwan</i>	<i>malam</i>	<i>mof</i>
ORYA	<i>tana</i>	<i>bokle</i>	<i>ngiři</i>	<i>irse gwen</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	231. toe	232. vein	233. ant	234. butterfly
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	<i>atokai</i>	<i>phiwa</i>	<i>sare</i>	---
SEHUDATE	---	---	---	---
FAYU	---	---	<i>kæ</i>	---
FAIA	---	---	---	---
KIRIKIRI	<i>touwa ki^</i>	---	<i>ke</i>	<i>aɸaɸe</i>
EDOPI	---	---	<i>æ</i>	<i>suapu</i>
IAU	<i>e-si</i>	<i>tabi</i>	<i>ɛ</i>	<i>daido</i>
DUVLE	---	---	---	<i>vioyo</i>
DOUTAI	---	<i>teyesi</i>	<i>tagari</i>	<i>wijaku</i>
WARITAI	---	<i>ri</i>	<i>ki^diwei^</i>	<i>wi^taku</i>
KAI	---	<i>a-ti^abəri</i>	<i>tagari</i>	<i>kogoi</i>
BIRITAI	<i>ato</i>	<i>atei</i>	<i>tədu</i>	<i>do</i>
OBOKUTTAI	<i>ato-kure</i>	<i>atig^korub^</i>	<i>torub^</i>	<i>ti/kohub^</i>
ERITAI	<i>oto kre</i>	<i>etida</i>	<i>teri</i>	<i>kwahu</i>
SIKARITAI	<i>ato</i>	<i>sad^ at^gid^</i>	<i>kig^</i>	<i>kog^kwet^</i>
KAURE	---	---	---	---
BAUZI	<i>nabaso</i>	<i>aliso</i>	<i>ket</i>	<i>fata</i>
BERIK	<i>tambol</i>	<i>tatal</i>	<i>jili</i>	<i>mumwa</i>
ORYA	<i>tana-bola</i>	<i>sa</i>	<i>bas glam</i>	<i>mawa aukuk</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	235. gecko	236. crocodile	237. nest	238. spider
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	---	---	---	---
DERATE	---	---	---	---
TAUSE	---	<i>uru</i>	---	---
SEHUDATE	---	---	---	---
FAYU	---	<i>uru</i>	---	---
FAIA	---	---	---	---
KIRIKIRI	<i>di/kasa</i>	<i>phi</i>	---	<i>urakwia</i>
EDOPI	---	<i>dau</i>	---	---
IAU	<i>de</i>	<i>lao</i>	<i>oe</i>	<i>obo</i>
DUVLE	---	<i>dara</i>	<i>obre</i>	---
DOUTAI	<i>wija</i>	<i>oru</i>	<i>du-kwari</i>	<i>doba</i>
WARITAI	<i>wi^ta</i>	<i>feita</i>	<i>tu^i^ta</i>	<i>roba</i>
KAI	<i>wi^ja</i>	<i>fei^ja</i>	<i>dikware</i>	<i>kwahau</i>
BIRITAI	<i>ki^</i>	<i>eheja</i>	---	<i>bokwakei</i>
OBOKUITAI	<i>tig^lwei</i>	<i>heig^ya</i>	<i>akwrig^ja</i>	<i>takwi</i>
ERITAI	<i>kwi</i>	<i>heya</i>	<i>okuriya</i>	<i>kwahu</i>
SIKARITAI	<i>ug^ja</i>	<i>peja</i>	<i>auda</i>	<i>kwahog^</i>
KAURE	---	---	---	---
BAUZI	<i>behu</i>	<i>heya/vam</i>	<i>sila</i>	<i>naknahi</i>
BERIK	<i>dænden</i>	<i>wombata</i>	<i>gol</i>	<i>obop</i>
ORYA	<i>derom</i>	<i>jalom</i>	<i>gol</i>	<i>kwaki-kwaki</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	239. ironwood	240. root	241. mud	242. rainbow
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	<i>suri</i>	---	<i>kati</i>	<i>ϕi</i>
SEHUDATE	---	---	---	---
FAYU	<i>ti</i>	<i>tea</i>	---	---
FAIA	---	---	---	---
KIRIKIRI	<i>di</i>	<i>tu</i>	---	<i>aɸlitai</i>
EDOPI	---	<i>turu</i>	---	<i>keyu</i>
IAU	<i>ϕi</i>	<i>tui</i>	<i>taoe be</i>	<i>kaebo tae</i>
DUVLE	---	---	---	<i>dai</i>
DOUTAI	<i>du^i</i>	<i>gr</i>	<i>pra-togou</i>	<i>dai</i>
WARITAI	<i>səri^</i>	<i>ri</i>	<i>pra-ku</i>	<i>ɛri^</i>
KAI	<i>togou</i>	<i>atifeti</i>	<i>i^jeku</i>	<i>kressei^a</i>
BIRITAI	<i>hide</i>	<i>ateo</i>	<i>sadudu</i>	<i>teadatu</i>
OBOKUITAI	<i>tokoub^</i>	<i>kwau</i>	<i>kwe</i>	<i>deseig^ja</i>
ERITAI	<i>tokug^</i>	<i>etikoru</i>	<i>weruku</i>	<i>desikweriwaku</i>
SIKARITAI	<i>toug^</i>	<i>atgid^</i>	<i>ig^jewε</i>	<i>klebesig^ja</i>
KAURE	---	---	---	---
BAUZI	<i>fiu</i>	<i>əmnaɔ</i>	<i>itabe</i>	<i>bimbɔz</i>
BERIK	<i>titemen</i>	<i>tiskar</i>	<i>betik</i>	<i>manganu</i>
ORYA	<i>tebalin</i>	<i>sa</i>	<i>kamablæble</i>	<i>boge alp</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	243. village	244. arrow	245. bow	246. comb
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	---	φoxa	kwa	φri wiəβe
SEHUDATE	---	---	---	---
FAYU	---	φai/φua	φou	---
FAIA	---	---	---	---
KIRIKIRI	ta	φou	φəyoi	dida
EDOPI	---	hou	---	---
IAU	beta	φao	kap ⁷	tau φi
DUVLE	boyoia	---	---	---
DOUTAI	wai εrō	su^da	φu	i^dε
WARITAI	kiaεrε	φiεrε	φəga	i^tε
KAI	---	kεri	φu	titi^
BIRITAI	su	tauā	hau	hugudu
OBOKUITAI	kweři-di	hou	hou-akub ⁷	hukru
ERITAI	hi^bakaikoru	hou okohu	hou okurε	hokru
SIKARITAI	kwa tēpia	huwa	hu	kug ⁷ pud ⁷
KAURE	---	---	---	---
BAUZI	num dēbu	fō	digəhi	sis
BERIK	tamnap	gina	ulum	nabalfatar
ORYA	æ	gwe tap	jana	nolhatal
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	247. door	248. drum	249. fence	250. goods
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	<i>kwao</i>	<i>uβi</i>	<i>ɸau</i>	---
SEHUDATE	---	---	---	---
FAYU	---	---	---	---
FAIA	---	---	---	---
KIRIKIRI	<i>uri</i>	---	---	<i>di</i>
EDOPI	<i>biri</i>	---	---	<i>niri</i>
IAU	<i>be</i>	<i>u tap[?]</i>	<i>dei</i>	<i>di</i>
DUVLE	---	---	---	---
DOUTAI	<i>kwa-boru[^]</i>	<i>ku[^]garu</i>	<i>pori</i>	<i>su</i>
WARITAI	<i>kwa-boru[^]</i>	<i>itowa</i>	<i>sərε</i>	<i>tu[^]tari</i>
KAI	<i>kwa-bisoa</i>	<i>kukari</i>	<i>ɸori</i>	<i>du[^]iɸare</i>
BIRITAI	<i>akai</i>	<i>kukadi</i>	<i>horo</i>	<i>su</i>
OBOKUITAI	<i>kwei-akwe</i>	<i>kub[?]kari</i>	<i>bekikwa</i>	<i>dub[?]</i>
ERITAI	<i>hosikau</i>	<i>kwikari</i>	<i>bekiku</i>	<i>yakasu</i>
SIKARITAI	<i>kwa-hasig[?]</i>	<i>kug[?]kat</i>	<i>esreketako</i>	<i>akasig[?]</i>
KAURE	---	---	---	---
BAUZI	<i>do</i>	<i>bo</i>	<i>natæhæna</i>	<i>nazoh</i>
BERIK	---	<i>ur</i>	---	<i>jigal-jigala</i>
ORYA	<i>lilkün</i>	<i>ili</i>	<i>kol</i>	<i>kire-kire-na</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	251. tomorrow	252. yesterday	253. copulate	254. vulva
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	<i>aβira</i>	<i>dima</i>	---	---
SEHUDATE	---	---	---	---
FAYU	---	---	---	---
FAIA	---	---	<i>haura</i>	<i>hε</i>
KIRIKIRI	<i>du</i>	<i>du</i>	<i>ɸaura</i>	<i>ɸε</i>
EDOPI	---	---	---	<i>ha</i>
IAU	<i>la su</i>	<i>du</i>	<i>ao bo du</i>	<i>ɸε</i>
DUVLE	---	---	---	---
DOUTAI	<i>diako</i>	<i>ki^kakoka</i>	---	---
WARITAI	<i>tia</i>	<i>kei^da</i>	---	---
KAI	<i>kasguko</i>	<i>akei^ɛ</i>	---	---
BIRITAI	<i>suwado</i>	<i>diao</i>	<i>hadeda-ka</i>	<i>hε</i>
OBOKUTTAI	<i>keig^soko</i>	<i>akig^dɛ</i>	<i>baub^-kwa</i>	<i>hre</i>
ERITAI	<i>keisoko</i>	<i>ɛkeire</i>	---	---
SIKARITAI	<i>tuod'ko</i>	<i>akeje</i>	---	---
KAURE	---	---	---	---
BAUZI	<i>dihasi</i>	<i>mat</i>	<i>møde</i>	<i>ɔ/ɔhu</i>
BERIK	<i>gwidmir</i>	<i>ir</i>	---	---
ORYA	<i>ka?an</i>	<i>ir</i>	<i>swi ən</i>	<i>i</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	255. bat	256. canoe	257. breadfruit	258. centipede
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	<i>kovəri</i>	<i>fana</i>	<i>u[^]ru[^]</i>	<i>klaɸagu[^]</i>
SEHUDATE	---	---	---	---
FAYU	<i>egari</i>	<i>fu</i>	<i>kua</i>	<i>orū</i>
FAIA	---	---	---	---
KIRIKIRI	<i>turi</i>	<i>orū</i>	<i>beri</i>	<i>dε</i>
EDOPI	<i>turu</i>	<i>hu</i>	<i>au</i>	<i>næ</i>
IAU	<i>tui</i>	<i>fo</i>	<i>kɔ</i>	<i>i</i>
DUVLE	---	---	---	---
DOUTAI	<i>wi[^]jaku[^]</i>	<i>si[^]</i>	<i>kwa</i>	---
WARITAI	---	---	---	---
KAI	---	---	---	---
BIRITAI	<i>bake</i>	<i>si[^]</i>	<i>ka</i>	<i>di[^]hu</i>
OBOKUITAI	<i>beki</i>	<i>sig⁷</i>	<i>kwa</i>	<i>tu</i>
ERITAI	---	---	---	---
SIKARITAI	<i>bosui</i>	<i>sig⁷</i>	<i>kwa</i>	---
KAURE	---	---	---	---
BAUZI	<i>vaa</i>	<i>ihe</i>	<i>kəhu</i>	<i>tamie</i>
BERIK	---	---	---	---
ORYA	<i>te tek</i>	<i>bul</i>	<i>wanga</i>	<i>ta</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	259. cloth	260. cockroach	261. copula	262. kangaroo
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	<i>bezəwe</i>	<i>si</i>	<i>bei-do</i>	<i>ɸai</i>
SEHUDATE	---	---	---	---
FAYU	<i>jehe^</i>	---	---	<i>kisi</i>
FAIA	---	---	---	---
KIRIKIRI	<i>ɸezi^</i>	<i>iɾao^</i>	<i>mayaɪ</i>	<i>ki^si^</i>
EDOPI	<i>hesi</i>	<i>atu/huruho</i>	<i>beuri</i>	<i>sari</i>
IAU	<i>sai</i>	<i>fioپ</i>	<i>bε</i>	<i>sadi</i>
DUVLE	---	---	---	---
DOUTAI	<i>kebesi</i>	<i>fafou/pati</i>	<i>pai</i>	---
WARITAI	---	---	---	---
KAI	---	---	---	---
BIRITAI	<i>sua</i>	---	---	<i>kisi</i>
OBOKUITAI	<i>hesid</i>	<i>karara</i>	<i>hai</i>	<i>su</i>
ERITAI	---	---	---	---
SIKARITAI	<i>krebəsig^</i>	<i>fati</i>	<i>braai</i>	<i>kesig^</i>
KAURE	---	---	---	---
BAUZI	<i>sue</i>	<i>boi</i>	---	<i>kisi</i>
BERIK	---	---	---	---
ORYA	<i>deyol</i>	<i>sokwen</i>	---	<i>kwaki</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

Language	263. matoa (Indo. tree sp.)	264. stringbag	265. paddle	267. sago
SAPONI	---	---	---	---
RASAWA	---	---	---	---
AWERA	---	---	---	---
WEIRATE	---	---	---	---
DEIRATE	---	---	---	---
TAUSE	---	<i>mba</i>	<i>baria</i>	<i>yeri</i>
SEHUDATE	---	---	---	---
FAYU	<i>jəti</i>	<i>here</i>	<i>ita</i>	<i>fi</i>
FAIA	---	---	---	---
KIRIKIRI	<i>i^i</i>	<i>di</i>	<i>ita</i>	<i>kwei</i>
EDOPI	<i>je</i>	<i>kiri</i>	<i>nta</i>	<i>tu</i>
IAU	<i>syε</i>	<i>si</i>	<i>tui</i>	<i>to</i>
DUVLE	---	---	---	---
DOUTAI	<i>sedī</i>	---	<i>bika</i>	<i>fi</i>
WARITAI	---	---	---	---
KAI	---	---	---	---
BIRITAI	<i>sedī</i>	<i>ti</i>	<i>i^da</i>	<i>suhu</i>
OBOKUITAI	<i>serī</i>	<i>ti</i>	<i>ida</i>	<i>hi</i>
ERITAI	---	---	---	<i>hi</i>
SIKARITAI	---	<i>si</i>	<i>bika</i>	<i>fi</i>
KAURE	---	---	---	---
BAUZI	<i>sei</i>	<i>dēk</i>	<i>vaemē</i>	<i>ti</i>
BERIK	---	---	---	---
ORYA	<i>deiwa</i>	<i>hon</i>	<i>hos</i>	<i>lən</i>
DANI	---	---	---	---
DEMISA	---	---	---	---

APPENDIX 4: LEXICOSTATISTICAL DECISIONS

	Sa	Ra	Aw	We	De	Ta	Se	Fy	Fa	Ki	Ed	Ia	Du	Do	Wa	Ka	Bi	Ob	Er	Si	Kr	Ba	Be	Or	Da	De
head	1	1	2	0	3	3	4	4	4	4	5	6	7	8	8	9	8	10	10	9	11	12	13	14	15	12
hair	1	2	3	3	3	3	3	3	3	4	5	3	3	3	6	7	7	7	5	9	10	11	12	13	10	
ear	1	2	2	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	5	6	7	8	8	9	10
neck	1	1	1	2	2	3	0	4	2	2	3	3	5	5	0	0	6	6	0	0	7	7	0	8	9	11
mouth	1	1	1	3	3	3	4	1	5	3	3	3	3	3	3	3	3	3	3	4	5	6	7	8	5	
teeth	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	5	5	3	
tongue	1	2	1	3	3	3	4	4	5	5	4	4	4	4	4	4	4	4	4	5	2	6	6	7	2	
eye	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	5	5	6	3	
nose	1	1	1	2	2	2	3	3	3	3	4	4	5	1	1	3	3	3	3	1	3	6	7	7	8	6
hand	1	2	2	1	1	1	1	3	3	3	1	1	1	1	1	3	1	1	1	3	4	3	4	4	5	10
dirty	1	1	1	1	1	1	0	1	0	2	3	3	3	3	0	3	4	3	5	6	7	8	9	10	10	
bodyhair	1	2	3	4	4	4	4	0	5	5	0	4	0	5	5	5	5	5	5	6	7	8	9	10	7	
elbow	1	2	1	2	2	2	3	3	4	5	6	6	0	7	7	7	7	7	7	8	9	10	11	12	9	
finger	1	2	3	4	4	4	5	5	6	6	6	7	6	0	0	6	6	7	8	9	10	11	11	12	10	
fingernail	1	1	4	1	1	1	1	1	1	1	1	0	2	2	2	2	2	1	3	4	4	4	5	4		
skin	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	6	5	5	1	7	8	9	10	11	3	
muscle	2	1	1	1	2	1	1	0	1	1	1	1	1	0	0	0	1	2	0	1	3	2	0	4	5	6
fat	1	2	2	3	3	0	0	4	4	4	5	5	6	4	7	4	4	4	0	0	8	4	0	9	10	4
bone	1	1	1	2	2	2	0	0	2	2	2	2	2	3	4	5	1	6	5	7	8	9	10	8	11	12
breast	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	3	4	3	3	5	6	
stomach	1	1	1	1	1	1	1	1	3	3	3	4	1	1	1	1	1	3	1	1	5	6	7	8	9	6
lowerback	1	1	2	3	3	3	4	4	5	5	6	7	8	8	9	9	10	11	12	13	14	15	16	17	18	19
blood	1	2	3	4	4	4	5	5	5	5	6	6	7	7	7	8	7	7	7	9	10	11	12	13	14	
heart	1	2	1	3	4	2	5	1	1	1	1	6	7	7	7	1	7	7	7	8	9	10	11	12	9	
liver	1	2	1	3	2	0	3	4	5	5	4	4	6	0	0	0	5	5	0	0	7	8	0	9	10	11
leg	1	1	1	2	3	3	3	3	3	3	3	4	5	3	3	3	3	3	3	6	1	3	7	8	1	
swollen	1	2	3	3	0	0	0	0	4	4	4	4	4	0	0	3	3	0	0	5	6	0	7	8	6	
sick	1	2	3	4	4	5	6	7	0	7	7	7	8	8	8	9	10	11	11	12	13	14	15	16	17	
water	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	4	2	5	5	6	2	
lake	1	1	2	3	4	0	4	5	4	5	5	6	6	6	6	6	6	6	6	7	8	9	10	11	12	
river	1	2	3	4	0	5	0	0	6	0	0	0	0	0	7	8	0	0	7	9	10	0	11	12	0	
sand	1	1	2	3	3	0	0	0	4	4	5	5	6	6	6	7	6	6	6	7	8	9	10	11	12	13
wet	1	1	2	3	3	3	0	0	0	4	4	4	5	5	4	4	4	4	4	5	6	7	8	8	9	10
fire	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	4	3	3	3	4	3	5	6	7	3	
cook	1	2	3	3	3	3	3	0	4	4	4	4	5	5	5	6	4	7	7	7	8	7	9	10	11	7
ash	1	2	1	3	3	3	4	1	4	4	5	5	6	4	7	7	7	7	7	8	1	9	9	10	11	
smoke	1	2	3	2	2	2	0	2	2	2	2	2	2	2	2	2	2	2	3	4	5	6	7	8		
stone	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	4	5	6	7	
heavy	1	1	2	3	3	3	0	4	5	6	6	3	3	3	3	3	3	3	3	7	8	9	10	11	8	
slick	1	2	3	0	4	4	0	0	0	5	6	6	7	7	7	8	8	8	8	9	10	11	12	13	0	
one	1	1	1	2	2	2	3	3	4	5	6	6	5	7	7	7	7	7	5	7	8	9	10	11	13	
two	1	2	3	4	4	5	5	6	6	7	7	8	8	8	8	8	8	8	8	9	10	11	12	13	14	
three	1	1	1	2	2	2	3	3	4	5	6	7	5	0	0	0	8	8	0	0	9	10	11	12	13	
many	1	1	2	3	3	4	4	5	6	3	7	7	8	9	10	9	10	11	0	0	12	13	0	13	14	
few	1	2	3	0	4	0	0	0	5	6	7	8	0	0	0	9	10	0	0	11	12	0	13	14	0	
all	1	1	2	3	4	5	0	0	0	6	5	5	5	7	5	5	8	5	5	9	10	5	11	12	13	0
land	1	1	2	3	3	3	4	4	4	3	3	4	4	2	1	4	4	4	1	1	5	6	7	8	5	
dust	1	2	0	0	3	0	0	0	0	4	5	0	0	0	6	7	0	0	8	9	0	10	11	0		
path	1	2	3	2	2	2	2	2	2	2	2	2	4	2	2	5	2	2	2	6	7	8	9	10	11	
narrow	1	2	3	4	0	5	6	0	4	0	7	7	8	9	9	10	7	0	9	9	3	11	12	13	14	
wide	1	1	1	2	0	2	3	3	4	0	5	6	1	7	7	8	7	0	7	7	8	9	10	11	12	0

	Sa	Ra	Aw	We	De	Ta	Se	Fy	Fa	Ki	Ed	Ia	Du	Do	Wa	Ka	Bi	Ob	Er	Si	Kr	Ba	Be	Or	Da	De		
mountain	1	1	2	1	3	1	1	1	1	1	4	4	5	5	1	6	7	6	6	8	9	10	11	12	13	14		
cloud	1	2	3	2	2	2	4	4	0	5	4	4	6	6	6	6	6	7	7	6	6	8	9	10	11	0		
rain	1	2	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1	3	3	4	5	6	7	7	8	6		
sky	1	2	3	0	0	4	5	0	6	6	6	6	6	6	6	6	0	7	6	6	8	9	10	11	12	9		
fog	1	0	2	3	0	0	0	4	0	0	0	5	0	6	6	6	0	7	8	9	10	11	12	13	14	0		
wind	1	2	1	3	3	3	4	4	3	3	4	4	5	5	6	5	7	7	5	8	9	10	11	12	12	2		
hot	1	2	1	3	4	4	0	1	5	1	6	6	7	1	1	8	9	11	10	1	11	12	13	14	15	12		
cold	1	2	2	3	3	3	4	4	5	6	7	7	8	9	9	9	10	11	12	13	14	15	16	17	18	15		
thunder	1	2	3	4	5	6	7	8	9	9	9	10	11	11	11	9	11	12	11	13	14	15	16	17	18			
lightning	1	2	2	0	0	3	0	0	0	4	5	6	0	7	8	9	10	11	9	9	10	11	12	13	14	15		
staff	1	1	2	1	1	0	3	0	4	4	0	1	0	1	1	1	5	1	1	6	7	8	9	9	10	8		
straight	1	2	2	0	3	4	0	0	0	5	5	5	6	5	5	7	8	9	9	10	11	12	13	14	15	16		
thick	1	1	2	0	0	0	0	0	0	0	3	4	0	5	5	5	6	7	8	9	10	11	12	13	14	0		
thin	1	2	3	0	0	0	0	4	0	0	5	6	0	7	7	8	9	7	7	7	10	11	12	13	14	0		
sharp	1	1	2	0	3	3	4	4	0	0	5	6	7	4	4	4	4	4	4	4	5	6	8	8	9	0		
dull	1	1	1	0	0	2	0	3	0	4	4	4	5	5	5	6	5	6	7	8	9	10	11	12	0			
sun	1	2	3	4	4	4	5	5	4	4	4	5	5	2	2	4	4	4	4	4	5	1	6	7	8	1		
midday	1	1	2	0	3	4	0	0	0	5	6	7	8	9	9	9	9	9	9	10	11	12	12	13	14			
night	1	1	2	3	3	3	4	4	5	4	6	6	7	8	9	10	8	8	10	10	11	12	13	14	15	16		
moon	1	1	1	2	2	2	3	3	2	2	2	4	2	2	2	2	2	2	2	5	6	7	8	9	10	7		
star	1	2	2	1	1	1	0	1	3	3	1	1	4	4	4	4	5	1	1	6	7	3	7	8	9	0		
banana	1	2	3	3	3	3	1	1	3	3	3	1	3	3	3	1	1	1	1	3	4	5	6	6	7	8		
garden	1	1	2	3	4	5	0	0	0	3	3	6	3	3	3	3	7	8	3	9	3	10	11	12	3			
grass	1	2	3	4	3	5	5	5	5	6	6	7	8	8	8	5	5	8	8	9	10	11	12	13	10			
dry	1	2	3	0	0	4	0	0	0	0	5	5	5	5	5	5	5	5	5	5	5	0	6	7	8	9	10	0
mow	1	2	2	3	4	5	6	0	0	7	8	8	3	0	0	0	9	10	0	0	11	12	0	13	14	0		
tree	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	3	0		
split	1	1	1	2	3	0	4	0	5	5	6	6	7	0	0	0	8	5	0	9	10	11	0	12	13	14		
branch	1	2	3	4	4	0	5	0	0	4	4	4	6	0	0	0	4	4	0	0	5	7	0	8	9	10		
leaf	1	2	3	4	4	4	5	5	2	2	3	3	6	2	7	8	9	9	9	10	11	12	13	13	14	15		
thorn	1	1	1	2	2	2	3	2	2	2	2	2	1	2	2	2	3	2	2	2	4	3	5	6	7	3		
fruit	1	1	2	3	3	0	0	0	4	4	4	4	2	5	5	5	4	6	6	5	7	8	0	9	10	11		
seed	1	1	1	0	2	2	0	0	2	2	3	3	3	4	4	4	4	4	4	4	4	2	5	6	6	7	0	
rotten	1	1	2	3	3	0	4	3	3	3	5	6	7	0	0	0	2	6	0	0	8	9	0	10	11	12		
smelly	1	2	3	4	0	5	0	4	4	4	5	5	6	0	0	0	7	8	0	0	9	7	0	10	11	0		
forest	1	2	3	4	4	5	6	7	0	8	6	7	6	8	9	8	9	10	10	11	12	13	14	15	16	0		
rope	1	2	3	4	4	4	4	4	5	5	6	7	5	8	5	5	5	5	5	5	9	10	4	11	12	13	14	
tie	1	2	3	4	4	4	5	5	6	6	7	7	0	8	8	9	9	9	9	9	10	9	11	12	13	14		
white	1	2	2	1	3	3	4	4	0	5	6	5	5	5	7	5	8	5	5	5	9	1	10	11	12	1		
black	1	1	2	2	2	2	2	0	0	2	3	3	4	2	2	2	2	2	2	2	5	2	6	2	7	2		
red	1	2	3	4	4	4	5	5	0	3	6	6	7	8	8	8	8	8	8	8	8	9	10	11	12	8		
yellow	1	2	3	0	4	5	0	5	0	6	6	6	7	5	5	5	8	8	8	8	8	9	8	10	11	12	13	
green	1	2	3	0	0	4	0	5	0	4	6	4	4	7	8	9	10	9	9	7	10	11	12	12	13	14		
bird	1	2	1	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	4	5	2	6	2	7		
egg	1	2	3	4	4	0	5	5	6	6	7	7	7	8	8	8	8	8	8	8	8	6	8	9	9	8		
wing	1	1	1	2	3	0	4	0	5	0	6	7	8	8	9	7	0	8	7	9	10	11	12	13	14	15		
fly (v)	1	1	1	0	1	2	3	0	0	4	5	6	7	8	8	7	9	10	10	11	12	13	14	15	16	0		
cassowary	1	2	2	3	3	3	3	3	3	3	3	3	3	4	5	0	0	3	5	0	0	5	1	0	6	7	1	
fly(n)	1	1	1	2	3	3	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	6	5	7	
mosquito	1	2	1	2	2	2	2	2	2	2	2	3	4	2	5	3	6	6	6	7	8	9	9	10	8			
dog	1	1	2	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	5	6	6	7	8	
big	1	1	2	3	3	4	5	5	6	6	7	8	9	9	10	9	11	12	13	13	14	15	16	17	18	0		
small	1	2	2	3	3	3	4	4	5	6	7	8	9	9	10	11	12	12	12	13	14	15	16	17	18	0		
this	1	0	0	0	0	2	0	2	0	3	3	3	3	0	0	0	0	2	4	0	0	5	2	6	6	7	0	

	Sa	Ra	Aw	We	De	Ta	Se	Fy	Fa	Ki	Ed	Ia	Du	Do	Wa	Ka	Bi	Ob	Er	Si	Kr	Ba	Be	Or	Da	De	
that	1	0	0	0	0	2	0	0	0	3	4	5	0	0	0	0	6	7	0	0	8	9	10	10	4	0	
same	0	1	1	2	2	0	2	2	0	2	2	2	3	4	0	0	2	2	0	0	5	6	0	7	8	0	
different	0	1	2	3	4	0	5	5	0	6	7	8	0	6	0	0	6	6	0	0	9	6	0	10	11	0	
bite	1	2	3	0	4	4	5	0	0	6	0	6	7	7	7	6	7	7	7	8	6	9	10	11	0		
tail	1	1	2	1	1	1	1	1	3	3	1	1	4	4	4	1	1	1	1	1	5	6	7	8	9	1	
fish	1	2	2	2	2	2	0	2	3	3	3	2	2	2	2	2	2	2	2	4	5	6	7	8	9		
leech	1	1	1	1	1	1	0	1	1	1	2	1	1	0	0	0	1	1	0	0	3	4	0	4	5	4	
louse	1	2	2	2	2	2	2	2	2	2	3	4	2	2	2	2	2	2	2	2	4	5	6	7	8		
pig	1	2	3	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	6	7	8	9	4	
shoot	1	2	3	4	4	0	4	5	4	4	6	6	6	0	0	0	7	4	0	8	9	10	0	11	12	0	
worm	1	2	3	0	4	5	0	6	0	5	5	5	6	0	0	0	7	7	0	0	8	9	0	10	11	12	
snake	1	1	2	1	1	1	2	2	2	2	3	3	3	2	4	2	1	2	2	5	1	6	7	8	9	10	
long	1	1	1	0	2	3	3	3	1	1	3	3	4	3	3	3	3	3	3	3	5	6	7	8	9	0	
short	1	2	3	0	0	4	5	0	0	6	7	8	9	10	10	10	10	10	10	10	11	12	13	14	15	0	
rat	1	2	1	3	0	4	0	5	5	5	6	7	8	9	10	10	11	11	12	11	13	14	15	16	17	18	
full	1	1	1	0	0	2	0	0	0	0	2	2	3	4	4	4	4	4	4	4	4	2	5	6	7	0	
house	1	1	1	2	2	2	3	3	3	3	4	5	3	3	3	3	3	3	3	3	3	6	7	8	9	10	7
new	1	2	3	0	4	5	0	6	0	7	8	8	9	9	9	10	11	9	10	9	12	13	14	15	16	0	
old	1	2	3	0	4	5	0	6	0	7	8	8	9	10	9	11	9	9	12	12	13	14	15	16	17	0	
thatch	1	2	3	4	4	0	0	0	5	5	6	6	7	0	0	0	4	5	0	0	8	9	0	10	11	12	
in front	1	2	3	0	0	0	0	0	0	0	4	4	5	6	6	6	7	8	9	9	10	11	12	13	14	0	
outside	1	1	2	0	0	0	0	0	0	3	4	5	5	6	7	5	5	8	9	10	11	12	13	0			
inside	1	2	3	0	0	0	0	4	0	0	5	6	7	7	8	10	11	11	11	12	13	14	15	16	0		
right	1	2	3	0	0	4	0	0	0	5	0	6	0	7	7	7	8	9	9	9	10	11	12	13	14	0	
left	1	2	3	0	0	0	0	0	0	4	0	5	0	6	6	7	8	9	9	10	11	12	13	14	0		
near	1	1	1	0	2	0	0	3	0	0	4	5	6	7	8	9	10	10	10	10	11	12	13	14	15	0	
far	1	1	2	0	3	0	0	4	0	5	6	7	8	8	8	8	9	9	8	8	10	11	12	13	14	0	
person	1	1	1	2	2	2	0	1	2	2	2	3	2	2	2	2	2	1	1	2	4	5	6	7	4		
good	1	1	2	0	3	3	0	4	0	5	6	6	7	7	7	8	9	9	10	11	12	13	14	15	0		
bad	1	1	1	0	2	2	0	2	0	2	3	2	4	2	2	2	5	5	2	2	6	2	7	8	9	0	
male	1	1	1	2	2	2	3	3	2	2	2	2	4	2	2	2	5	2	2	5	6	7	8	9	10	7	
female	1	2	1	3	3	3	3	0	4	3	3	5	3	6	3	3	3	3	3	3	3	7	7	8	9		
husband	1	2	2	3	0	0	0	0	0	4	4	4	4	0	0	0	4	4	0	0	5	6	0	7	8	1	
wife	1	2	2	3	4	0	0	5	6	6	7	7	8	0	0	0	7	7	0	0	7	7	0	9	10	11	
father	1	1	2	1	3	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	5	6	7	
mother	1	1	2	1	1	1	0	3	4	3	5	6	7	2	8	8	8	8	8	9	8	9	10	11	12		
child	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	
I	1	2	3	4	4	4	0	5	5	5	5	5	6	0	0	2	6	0	0	5	2	0	6	5	2		
you	2	1	1	2	0	2	0	1	1	1	1	1	3	0	0	0	1	1	0	1	4	3	5	5	6	0	
we	1	2	3	4	0	0	0	5	0	0	5	4	4	4	0	0	4	4	0	0	6	5	0	6	7	0	
who	1	2	3	4	0	0	0	5	4	4	4	4	4	0	0	0	4	4	0	4	6	7	0	8	4	7	
what	1	1	2	0	0	3	0	4	0	5	6	6	7	6	6	6	5	6	6	8	4	9	9	10	0		
name	1	2	3	4	0	4	5	5	0	5	6	6	6	6	7	8	7	9	10	11	12	13	13	14	0		
come	1	1	2	3	3	0	3	4	4	4	4	4	4	5	5	5	1	6	6	5	7	8	9	10	11	0	
go/walk	1	2	3	4	3	3	3	5	5	3	3	3	6	0	0	6	7	0	0	8	3	9	9	10	0		
turn	1	2	3	0	4	5	0	0	0	6	7	6	8	0	0	0	9	9	0	0	10	11	0	12	13	0	
know s.th.	1	1	2	0	0	0	0	0	3	0	4	5	0	0	0	6	6	0	0	7	8	0	9	10	0		
hear	1	2	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	3	4	5	5	6	0	
see	1	1	2	3	0	3	4	4	1	1	5	5	1	1	1	1	1	1	1	1	6	7	8	9	10	0	
search	1	1	1	0	0	2	0	3	4	4	5	5	6	5	5	5	7	5	5	5	8	9	10	11	12	0	
talk	1	2	3	4	5	0	0	6	0	7	0	7	7	0	0	0	7	8	0	0	9	10	0	11	12	0	
true	1	2	3	0	0	4	0	0	0	5	6	7	7	8	8	8	9	9	10	11	12	13	14	15	16	0	
drink	1	1	2	3	3	3	0	0	0	3	3	3	4	5	5	5	5	5	5	5	6	7	8	9	10	0	
suck	1	1	1	1	2	3	0	0	0	4	0	1	5	3	3	3	3	3	3	6	3	7	8	9	10	11	0

	Sa	Ra	Aw	We	De	Ta	Se	Fy	Fa	Ki	Ed	Ia	Du	Do	Wa	Ka	Bi	Ob	Er	Si	Kr	Ba	Be	Or	Da	De	
eat	1	1	2	3	3	3	0	3	3	3	3	3	3	3	0	0	0	3	3	0	0	4	3	0	5	6	0
spit	1	2	2	0	3	3	0	0	0	0	4	4	3	3	3	3	3	3	3	5	6	7	8	9	0	0	
vomit	1	1	1	2	3	3	0	1	1	1	1	1	4	1	1	1	5	1	1	1	6	7	8	9	10	0	
hit	1	1	2	3	3	4	0	5	6	6	7	7	8	6	6	6	1	9	10	11	12	13	14	15	16	0	
stab	0	1	2	3	4	3	0	5	6	6	7	8	0	0	0	9	9	0	0	10	2	0	11	12	0	0	
kill	1	2	3	0	4	0	0	0	0	5	6	7	8	0	0	0	9	10	0	5	11	12	0	13	14	0	
die	1	1	2	3	0	3	0	4	3	3	3	3	3	5	5	6	3	7	3	3	7	8	9	10	11	0	
live	1	1	2	3	0	0	0	0	0	3	4	5	6	7	7	8	9	9	9	9	10	9	11	12	13	0	
scrape	1	1	1	2	3	2	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	4	5	6	7	8	0
sit	1	1	1	0	2	2	0	3	2	2	4	4	5	6	6	2	2	6	6	7	8	9	10	10	11	0	
stand	1	1	1	0	1	1	0	1	1	1	2	2	3	4	2	2	1	2	2	5	6	7	8	9	10	0	
no/not	1	2	3	0	4	4	0	4	5	5	4	4	4	4	0	0	4	4	0	4	6	4	0	7	8	0	
bathe	1	2	3	0	2	2	0	0	3	3	4	4	5	6	7	7	8	9	3	7	10	11	12	13	14	0	
fall	1	2	3	0	4	4	0	0	0	5	5	5	6	7	8	7	8	8	8	7	9	10	11	12	13	0	
lay	1	1	2	0	0	0	0	0	0	3	4	3	3	0	0	0	5	3	0	0	6	7	0	8	9	0	
sleep	1	0	2	0	3	3	0	3	0	4	4	3	4	5	5	5	5	5	5	3	6	7	8	9	0		
dream	1	1	1	0	0	0	0	0	0	0	2	3	4	5	5	5	5	5	5	6	7	8	9	10	0		
grab	1	1	1	0	1	1	0	0	0	2	3	3	4	5	5	5	6	5	5	5	7	8	9	10	11	0	
give	1	2	2	0	3	0	0	0	0	4	0	2	2	0	0	0	5	5	0	0	6	7	0	8	9	0	
blow	1	1	1	1	1	1	0	2	1	1	1	0	1	1	1	1	1	3	4	1	5	6	7	0	0		
breathe	1	2	3	0	0	0	0	0	0	4	0	5	3	0	0	0	6	6	0	6	7	8	0	9	10	0	
cough	1	2	2	1	1	1	0	0	3	3	1	1	1	1	1	1	1	3	4	1	5	6	7	8	5		
count	1	2	3	0	0	0	0	0	0	0	4	4	4	4	4	4	4	4	4	4	5	6	7	8	9	0	
dig	0	1	2	0	0	3	0	0	0	4	0	5	0	6	6	6	6	6	6	7	4	8	9	10	0		
afraid	1	1	2	0	0	3	0	4	0	5	6	7	8	8	8	8	8	8	9	10	11	12	12	13	0		
shy	1	2	2	0	0	0	0	0	0	3	4	5	4	6	7	6	3	7	7	7	8	9	10	10	11	0	
cry	1	1	2	3	3	4	0	4	5	5	6	7	7	7	7	6	6	6	8	9	10	11	12	13	0		
sing	1	1	2	0	0	3	0	0	0	4	4	4	5	6	6	6	6	6	7	1	8	9	10	11	0		
play	1	1	2	0	0	3	0	0	0	4	5	4	6	6	7	8	6	6	6	9	10	11	12	13	0		
push	1	1	2	0	3	3	0	0	0	0	4	4	5	5	5	5	5	5	5	6	7	8	9	10	0		
pull	1	2	3	0	0	4	0	0	0	5	6	7	0	8	8	8	8	8	8	9	10	11	12	13	0		
rub	1	2	3	0	4	5	0	6	0	6	7	6	6	0	0	0	6	8	0	0	9	3	0	10	11	0	
wipe	1	2	3	0	0	0	0	0	0	4	5	5	5	0	0	0	5	0	0	6	4	0	7	8	0		
wash	1	1	2	0	0	3	0	0	0	4	5	4	6	7	8	7	9	7	7	10	11	7	12	13	14	0	
pinch	1	2	3	0	0	0	0	0	0	0	0	4	0	0	0	0	5	0	0	0	6	7	0	8	9	0	
throw	1	2	3	0	0	4	0	5	0	6	7	7	8	8	9	10	11	6	6	12	13	14	0	15	16	0	
hole	1	0	0	0	0	1	0	0	0	2	0	2	3	4	4	4	4	4	3	5	0	6	7	7	0	0	
flower	1	0	0	0	0	2	0	0	0	1	0	3	0	4	4	0	5	6	7	7	0	8	9	10	0	0	
firewood	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0	1	0	0	0	2	0	3	0	2	0	0	
faeces	0	0	0	1	0	1	1	1	1	1	1	0	1	0	1	1	1	1	1	0	1	2	2	0	0	0	
urine	0	0	0	1	0	1	1	0	0	1	0	1	0	1	1	1	1	1	1	1	0	2	3	3	0	0	
penis	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	2	1	0	0	0	3	0	1	0	0	0	
scrotum	0	0	0	0	1	1	1	0	1	1	2	2	0	0	0	3	1	0	0	0	4	0	5	0	0	0	
crooked	0	0	0	0	1	0	0	0	0	2	0	2	0	3	3	3	3	3	3	0	4	5	5	0	0	0	
boil (n)	0	0	0	0	0	1	0	0	0	0	0	2	0	3	4	5	6	7	7	8	0	9	10	11	0	0	
cheek	0	0	0	0	0	1	0	0	0	2	0	3	0	4	4	4	5	6	6	6	0	7	8	9	0	0	
chest	0	0	0	0	0	1	0	0	0	0	2	0	3	4	3	4	4	5	6	0	7	8	8	0	0	0	
chin	0	0	0	0	0	1	0	1	0	1	0	1	1	1	2	3	1	1	0	4	5	6	0	0	0	0	
eyebrow	0	0	0	0	0	1	0	0	0	0	0	2	0	3	3	3	4	4	3	3	0	5	6	6	0	0	
eyelash	0	0	0	0	0	1	0	0	0	0	0	2	0	3	3	3	4	4	3	3	0	5	6	6	0	0	
forehead	0	0	0	0	0	1	0	0	0	2	0	3	0	3	4	5	6	6	7	0	8	9	9	0	0	0	
heel	0	0	0	0	0	1	0	0	0	1	0	2	0	1	1	1	1	1	1	0	2	3	3	0	0	0	
knee	0	0	0	0	0	1	0	2	0	1	3	3	0	4	4	4	4	5	0	6	7	8	0	0	0	0	
shoulder	0	0	0	0	0	1	0	0	0	2	0	2	3	4	4	5	5	5	6	0	7	8	9	0	0	0	

	Sa	Ra	Aw	We	De	Ta	Se	Fy	Fa	Ki	Ed	Ia	Du	Do	Wa	Ka	Bi	Ob	Er	Si	Kr	Ba	Be	Or	Da	De	
sweat	0	0	0	0	0	1	0	2	0	1	3	3	4	3	5	3	6	7	7	8	0	9	10	11	0	0	
toe	0	0	0	0	0	1	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	3	4	4	0	0	
vein	0	0	0	0	0	1	0	0	0	0	0	2	0	3	3	3	3	3	3	4	0	5	6	7	0	0	
ant	0	0	0	0	0	1	0	2	0	2	2	0	3	2	3	3	3	3	2	0	2	4	5	0	0		
butterfly	0	0	0	0	0	0	0	0	0	1	2	3	4	4	4	5	6	7	8	9	0	11	12	13	0	0	
gecko	0	0	0	0	0	0	0	0	0	0	1	0	2	2	2	3	4	3	5	0	6	7	7	0	0		
crocodile	0	0	0	0	0	1	0	1	0	2	3	3	1	4	4	4	4	4	4	0	5	6	7	0	0		
nest	0	0	0	0	0	0	0	0	0	0	1	2	3	3	3	0	3	3	4	0	5	6	6	0	0		
spider	0	0	0	0	0	0	0	0	0	1	0	2	0	3	3	4	4	4	4	4	0	5	6	4	0	0	
ironwood	0	0	0	0	0	1	0	1	0	1	0	2	0	1	1	3	2	3	3	3	0	2	4	5	0	0	
root	0	0	0	0	0	0	0	0	1	0	2	2	2	0	3	4	4	4	5	4	4	0	6	7	8	0	0
mud	0	0	0	0	0	1	0	0	0	0	0	2	0	2	3	4	5	6	6	4	0	4	7	8	0	0	
rainbow	0	0	0	0	0	1	0	0	0	1	2	2	3	3	4	5	6	7	7	5	0	8	9	10	0	0	
village	0	0	0	0	0	0	0	0	0	1	0	2	3	4	5	0	6	7	8	9	0	10	11	12	0	0	
bow	0	0	0	0	0	1	0	2	0	2	0	3	0	2	2	2	2	2	2	0	4	5	6	0	0		
arrow	0	0	0	0	0	1	0	1	0	1	1	1	0	2	1	3	1	1	1	1	0	1	4	5	0	0	
comb	0	0	0	0	0	1	0	0	0	2	0	1	0	3	3	3	4	4	4	5	0	6	7	7	0	0	
door	0	0	0	0	0	1	0	0	0	2	3	3	0	1	1	1	1	1	4	1	0	5	0	6	0	0	
drum	0	0	0	0	0	1	0	0	0	0	0	2	0	3	4	3	3	3	3	0	5	6	7	0	0		
fence	0	0	0	0	0	1	0	0	0	0	0	2	0	3	4	3	3	5	5	4	0	6	0	7	0	0	
goods	0	0	0	0	0	0	0	0	0	1	1	1	0	2	2	2	2	3	4	0	5	6	7	0	0		
tomorrow	0	0	0	0	0	1	0	2	0	3	0	3	0	4	4	5	6	7	7	8	0	4	9	10	0	0	
yesterday	0	0	0	0	0	1	0	2	0	3	0	3	0	4	4	4	4	3	4	4	4	0	5	6	6	0	0
copulate	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	1	1	0	0	0	3	0	4	0	0	
vulva	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	0	0	0	2	0	3	0	0	
bat	0	0	0	0	0	1	0	2	0	3	3	3	0	4	0	0	5	5	0	6	0	7	0	8	0	0	
canoe	0	0	0	0	0	1	0	1	0	2	1	1	0	3	0	0	3	3	0	3	0	3	0	4	0	0	
b'dfruit	0	0	0	0	0	1	0	2	0	3	4	5	0	5	0	0	5	5	0	5	0	5	0	6	0	0	
centipede	0	0	0	0	0	1	0	2	0	3	3	4	0	0	0	0	3	5	0	0	0	6	0	7	0	0	
cloth	0	0	0	0	0	1	0	1	0	1	1	0	1	0	0	1	1	0	1	0	1	0	2	0	0		
cockroach	0	0	0	0	0	1	0	0	0	2	3	4	0	4	0	0	0	5	0	6	0	7	0	8	0	0	
copula	0	0	0	0	0	1	0	0	0	2	1	1	0	3	0	0	0	3	0	4	0	0	0	0	0	0	
kangaroo	0	0	0	0	0	1	0	2	0	2	3	3	0	0	0	0	2	4	0	2	0	4	0	5	0	0	
matoa	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0	1	1	0	0	0	1	0	2	0	0		
stringbag	0	0	0	0	0	1	0	2	0	3	4	3	0	0	0	0	3	3	0	3	0	5	0	6	0	0	
paddle	0	0	0	0	0	1	0	2	0	2	2	3	0	4	0	0	2	2	0	4	0	5	0	6	0	0	
sago	0	0	0	0	0	1	0	2	0	3	4	4	0	2	0	0	3	2	2	2	0	4	0	5	0	0	

REFERENCES

- Bateman, Janet, 1990a, Pragmatic functions of the tone morphemes on illocutionary force particles in Iau. *NUSA* 32:1-28.
- 1990b, Iau segmental and tone phonology. *NUSA* 32:29-42.
- Clouse, Duane, 1993, Languages of the Western Lakes Plain. *Irian: Bulletin of Irian Jaya* 21:1-32.
- Clouse, Heljä, n.d.¹, An autosegmental approach to Kirikiri tone (notes). Unpublished manuscript, Summer Institute of Linguistics, Jayapura.
- n.d.², The changing syllable structure of Kirikiri (notes). Unpublished manuscript, Summer Institute of Linguistics, Jayapura.
- Clouse, Heljä and Duane Clouse, 1993, Kirikiri and the Western Lakes Plain languages: selected phonological phenomena. *Language and Linguistics in Melanesia* 24:1-18.

- Edmonson, Jerry**, 1992, Tone contours and tone clusters in Iau. *Berkley Linguistic Society*.
- Foley, William A.**, 1986, *The Papuan languages of New Guinea*. Cambridge: Cambridge University Press.
- Jenison, Scott D. and Priscilla B. Jenison**, 1991a, Obokuitai phonology. In M. Hartzler and L. Wood, eds., *Workpapers in Indonesian languages and cultures*, vol.9, 69-90. Jayapura: Cenderawasih University.
- 1991b, Unpublished research notes, Summer Institute of Linguistics, Jayapura.
- Jones, Larry B.**, 1987, The linguistic situation in the East Cenderawasih Bay, Irian Jaya: a preliminary survey. Unpublished manuscript, Summer Institute of Linguistics, Jayapura.
- Kaye, Jonathan D.**, 1989, *Phonology: a cognitive view*. New Jersey: Lawrence Erlbaum Assoc.
- Kim, Eui-Jung and Yun-Hwa Kim**, 1991, Unpublished research notes, Summer Institute of Linguistics, Jayapura.
- 1995, Edopi phonology. Unpublished manuscript, Summer Institute of Linguistics, Jayapura.
- Kügler, Klaus P.**, 1989, Vowel sequences in Fayu. Unpublished manuscript, Summer Institute of Linguistics, Jayapura.
- 1990, Fayu suprasegmental phonology. Unpublished manuscript, Summer Institute of Linguistics, Jayapura.
- Kügler, Klaus P. and Doris M. Kügler**, 1990, Fayu segmental phonology. Unpublished manuscript, Summer Institute of Linguistics, Jayapura.
- Lichtenberk, Frantisek**, 1994, Reconstructing heterogeneity. *Oceanic Linguistics* 33. 1:1-36.
- Martin, David L.**, 1986, Dominance and non-dominance in Sikaritai discourse. Papers in New Guinea Linguistics 25. *PL*, A-74, 205-231.
- 1991, Sikaritai phonology. In M. Hartzler and L. Wood, eds., *Workpapers in Indonesian languages and cultures*, vol.9, 91-120. Jayapura: Cenderawasih University.
- McAllister, Lawrence and Kay McAllister**, 1991, The process of phonological change in Doutai. In M. Hartzler and L. Wood, eds., *Workpapers in Indonesian languages and cultures*, vol.9, 121-141. Jayapura: Cenderawasih University.
- Murdoch, Charlotte**, n.d.¹, Duvle phonology summary. Unpublished manuscript, Summer Institute of Linguistics, Jayapura.
- n.d.², Duvle grammar. Unpublished manuscript, Summer Institute of Linguistics.
- Munnings, Peter**, 1991a, Tause phonology. Unpublished manuscript, Summer Institute of Linguistics, Jayapura.
- 1991b, Unpublished research notes, Summer Institute of Linguistics, Jayapura.
- Silzer, Peter and Heljä Clouse**, 1991, *Index of Irian Jaya languages, 2nd edition*. Jayapura: University Cenderawasih and Summer Institute of Linguistics.
- Voorhoeve, C.L.**, 1975, Languages of Irian Jaya: checklist, preliminary classification, language maps, wordlists. *PL*, B-31.
- Wurm, S.A. and B. Wilson**, 1975, *English finderlist of reconstructions in Austronesian languages (post-Brandstetter)*. *PL*, C-33.