

# *A Concise Grammar of Ishiculu*

A GRAMMAR CONSTRUCTED  
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# 1

## Demographics and ethnographics

ISHICULU IS A CREOLE LANGUAGE spoken by the Kuhuchɿwe, a community in KwaZulu-Natal, South Africa of people of mixed Zulu and Chinese ancestry. The term “Kuhuchɿwe” comes from Zulu for “mixed,” and is the self-referent of the Kuhuchɿwe people.

Before the 2020s, there had been American scholars and organizations in eastern South Africa building health infrastructure. This trend motivated other organizations, mostly from the Greater China Region, to add to their presence in eastern South Africa. By the end of the 2020s, because of a strengthened South African government and a pivot of US international policies, most

Zulu	71.8%
English	15.2%
Xhosa	4.4%
Afrikaans	2.6%
Ishiculu	< 0.01%

**Table 1.0.1:** Major languages spoken in KwaZulu-Natal (2105)

Americans set out to contribute to cross-nation collaborations had left. In 2034, a private corporation from Taiwan discovered an oil well just off Richards Bay, a town in KwaZulu-Natal, South Africa. This incentivized more Chinese people to reside in eastern South Africa, and a community of Ishiculu speakers descended from a mixture of Zulu and Chinese people. By 2105, Ishiculu had about 1500 speakers in KwaZulu-Natal.

Ishiculu is now mostly spoken in KwaZulu-Natal near the east coast. In these communities where Ishiculu is spoken, Zulu and Chinese are usually also used. The Kuhuchwe people usually live and engage in social interactions with Zulu and Chinese people. Both Chinese and Ishiculu have seen a slight decrease in the number of speakers since the 2080s, a fact possibly attributed partially to their lack of legal status. There has been some but insufficient literature on marginalization of the Kuhuchwe people in both Zulu- and Chinese-speaking communities, but the existing research has indicated that the interactions between Ishiculu speakers and other peoples are mostly friendly and social, and that the marginalization stems from the way local educational and legal systems are set up. The major languages spoken in KwaZulu-Natal is listed in Table 1.0.1, and the racial makeup of Richards Bay is shown in Table 1.0.2.

Black African	43.0%
Coloured (Including Kuxhuxwe)	4.2%
Indian/Asian	19.2%
White	33.1%
Other	0.4%

**Table 1.0.2:** Racial makeup of Richards Bay (2101)



**Figure 1.0.1:** Migration of Chinese people to South Africa in the 2030s

# 2

## Phonology

### 2.1 PHONEME INVENTORY

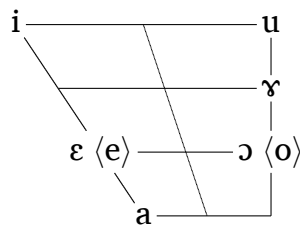
THERE ARE 31 CONSONANTS and six vowels in Ishiculu, shown in Table 2.1.1 and Figure 2.1.1. This consonant-vowel ratio is considered moderately high crosslinguistically [4].

### 2.2 SYLLABLE STRUCTURE

Possible syllable structures in Ishiculu are (C)V and  $N_1C_1V$ , where  $N_1$  is a nasal with the same place of articulation as obstruent  $C_1$ . Some examples of syllabification are shown in Example 1.

		Labial	Alveolar	Postalveolar	Palatal	Velar
Stop	voiced	b		d		g ⟨g⟩
	voiceless	p		t		k
	aspirated	p <sup>h</sup> ⟨ph⟩		t <sup>h</sup> ⟨th⟩		k <sup>h</sup> ⟨kh⟩
Nasal		m		n	ɲ ⟨gn⟩	ŋ ⟨ng⟩
Trill				r		
Fricative	voiced			ʒ ⟨zh⟩		ɣ ⟨gh⟩
	voiceless	f	s	ʃ ⟨sh⟩		x ⟨h⟩
Affricate	voiced		ɖz ⟨dz⟩	ɖʒ ⟨j⟩		
	voiceless		ʈs ⟨ts⟩	ʈʃ ⟨ch⟩		
Lateral fricative	voiced			ɬ		
	voiceless			ɮ		
Approximant		ʋ			j ⟨y⟩	w
Lateral approximant				l		
Click				ɰ ⟨c⟩		

**Table 2.1.1:** Phonemic consonants in Ishiculu. Letters in angle brackets represent the phonemes in Ishiculu orthography.



**Figure 2.1.1:** Phonemic vowels in Ishiculu. Letters in angle brackets represent the phonemes in Ishiculu orthography.



### (1) Syllabification in Ishiculu

- a. ⟨Ishiculu⟩ /i.ʃi.ɰ|u.lu/ V.CV.CV.CV  
b. ⟨unjani⟩ /u.ɲd͡ʒa.ni/ V.NCV.CV

As a lexically tonal language, it's uncommon for Ishiculu to have no coda. Mandarin and Cantonese both have some simple codas and lexical tones. The lexical tones survived, but the codas did not. On the other hand, Zulu has no coda and only grammatical tones.

## 2.3 TONES AND STRESS

### 2.3.1 TONEMES

Ishiculu has four tones, shown in Table 2.3.1. Note that the tones are not indicated in Ishiculu orthography.

Description	low	high	rising	falling
IPA diacritic	à	á	ǎ	â
Tone contour	11	55	35	51

**Table 2.3.1:** Tonemes in Ishiculu.

### 2.3.2 INTERACTIONS BETWEEN VOICED STOPS AND TONES

Voiced stops in Ishiculu (i.e. /b/, /d/, and /g/) add a low-tone onset to the normal tone.

Normal tone	à (low)	á (high)	ǎ (rising)	â (falling)
New tone	bà (low)	bǎ (rising)	bǎ (rising)	bǎ (rising-falling)

**Table 2.3.2:** Tone change after voiced stops.

### 2.3.3 STRESS

The stress of an Ishiculu word falls on the penultimate syllable and results in lengthening of the vowel. Some examples are shown in (2).

- (2) a. ⟨Ishiculu⟩ /i.ʃi.ɰ|u.lu/ [iʃiɰ|u:lu]  
b. ⟨unjani⟩ /u.ɲd͡ʒa.ni/ [uɲd͡ʒa:ni]

# 3

## Constituent order

### 3.1 BASIC WORD ORDER

ISHICULU IS SUBJECT-PROMINENT, with a basic word order of SVO.

- (3) Ari pa ka-shiy-ioani ntało kitabu.  
Ari not CL1.SG-CL7.SG-like CLF.7 book(7)  
'Ari doesn't like the book.'
- (4) Shi-shiy-ioani-mpi ntało kitabu.  
1PL-CL7.SG-like-PST CLF.7 book(7)  
'We used to like the book.'
- (5) Fu Philadelphia shi-ka-shi-ke-ła Ari  
PREP.INT Philadelphia 1PL-CL1.SG-CL7.SG-have-CAUS Ari

ntało kitabu.  
 CLF.7 book(7)  
 ‘We will give Ari the book in Philadelphia.’

Sometimes in Ishiculu, the predicate position can be filled by an uninflected adjectival phrase, such as an adjective or an adpositional phrase.

- (6) Ari fu Philadelphia tso.  
 Ari PREP.INT Philadelphia POST.ABL  
 ‘Ari is from Philadelphia.’
- (7) Ari łoło.  
 Ari small  
 ‘Ari is little.’

### 3.1.1 LOCATIVE EXPRESSION

A locative phrase can occupy the subject position of an intransitive verb of existence or movement while the subject is then moved to the object position.

- (8) Tsʁ ntało nji tso ɭi-huma ntało  
 PREP.SUR CLF.7 table(7) POST.ABL CL6.SG-jump CLF.6  
 ika.  
 cat(6)  
 ‘Off the table jumps a cat.’
- (9) Fu ntało heje shi-paka aɔo ntochʁ.  
 PREP.INT CLF.7 courtyard(7) CL8.SG-park CLF.8 car(8)  
 ‘In the courtyard is parked a car.’

### 3.1.2 TOPICALIZATION

Topicalization can be carried out on the object to put emphasis, but a classifier for the object needs to remain in the post-verbal position.

- (10) Kitabu shi-shi-so-mbi      *ntało*.  
 book(7) 1PL-CL7.SG-read-PST CLF.7  
 ‘The book, we have read it.’
- (11) Ntochɣ ngi-shiy-ioani    *ažo*.  
 car(8) 1SG-CL8.SG-like CLF.8  
 ‘The car, I like it.’

### 3.2 MODIFIERS OF NOUN

When demonstrative and/or numeral modify a noun, they always precede the noun. If they both modify the same noun, they are also found in this order. This particular word order is not uncommon among world’s languages [3]. When a numeral modifies a noun, a classifier must also be used, which directly precedes the noun. See Chapter 6.

- (12) laba ntało kitabu  
 these CLF.7 book(7)  
 ‘these books’
- (13) ažo ntochɣ  
 CLF.8 car(8)  
 ‘the car(s)’
- (14) nta ntało kitabu  
 three CLF.7 book(7)  
 ‘three books’
- (15) laba nta ntało kitabu  
 these three CLF.7 book(7)  
 ‘these three books’

An attributive adjective or a genitive follows the noun it modifies.

- (16) ntochɣ caca  
 car big  
 ‘big car(s)’

- (17) ntało kitabu ce-mama  
 CLF.7 book(7) GEN-mother  
 ‘mother’s book(s)’
- (18) Fu u conkei ɬoko  
 PREP.INT CLF.4 house(4) 4-red  
 shi-ka-shi-ke-ɬa Ari nta ntało kitabu  
 1PL-CL1.SG-CL7.SG-have-CAUS Ari three CLF.7 book(7)  
 ce-Mel.  
 GEN-Mel  
 ‘We will give Ari Mel’s three books in the red house.’

Example 19 illustrates the ordering of all types of modifiers and adpositions with the same noun.

- (19) fu laba nta u conkei  
 PREP.INT these three CLF.4 house  
 Preposition Demonstrative Numeral Classifier **Noun**  
 caca ce-John tso  
 big GEN-John POST.ABL  
 Adjective Genitive Postposition  
 ‘out of these three big houses of John’

# 4

## Verbs

### 4.1 AGREEMENTS

ISHICULU EXHIBITS HIGHLY SYNTHETIC verbal morphology. In this sense, it is predominantly head-marking. Prefixation and suffixation are responsible for marking the agreements and the tense. Ishiculu is mostly agglutinative in terms of its verb affixation: different grammatical features of the verb are expressed through different affixes, except for the person and the number, which are contained in the same prefix. There are both inflectional and derivational verb affixes in Ishiculu.

The Ishiculu verb is marked according to a nominative-accusative alignment system. The verb stem is inflected based on the person,

	singular		plural	
	before C	before V	before C	before V
1st person	-ngi-	-ngiw-	-shi-	-shiy-
2nd person	-u-	-uw-	-ni-	-niy-
CL 1/2	-ka-		-ba-	
CL 3/4	-u-	-uw-	-i-	-iy-
CL 5/6	-hi-	-hiy-	-a-	
CL 7/8	-shi-	-shiy-	-zi-	-ziy-

**Table 4.1.1:** Personal agreement prefixes of Ishiculu verbs.

number, and, for 3rd person nominal phrases, the noun class. The structure of an inflected Ishiculu verb consists of nominative agreement, dative agreement, accusative agreement, stem, derivational suffixes, and tense, in this order. The same set of prefixes, shown in Table 4.1.1, is used for all three agreements.

- (20) *Shi-shiy-ioani* ntało kitabu.  
 1PL-CL7.SG-like CLF.7 book(7)  
 ‘We (will) like the book.’
- (21) Ari pa *ka-uw-ioani* shidzi.  
 Ari not CL1.SG-CL4.SG-like cheese(4)  
 ‘Ari doesn’t like cheese.’

## 4.2 TENSES

Ishiculu has two tenses: present and past. The present tense is marked with a  $\emptyset$  suffix, and can be used for future events. The past tense is marked with suffix *-mbi*.

- (22) *Shi-shiy-ioani-mbi* ntało kitabu.  
 1PL-CL7.SG-like-PST CLF.7 book(7)  
 ‘We used to like the book.’



	Alone	With object
Singular	<i>-a</i>	<i>-e</i>
Plural	<i>-ani</i>	<i>-eni</i>

**Table 4.3.1:** Imperative suffixes in Ishiculu.

### 4.3 IMPERATIVE

The imperative can occur either alone or with an object prefix, using one of the imperative suffixes shown in Table 4.3.1.

- (23) So-a!  
 read-IMP  
 ‘Read!’
- (24) Shi-so-e                    ntało kitabu!  
 CL7.SG-read-IMP CLF.7 book(7)  
 ‘Read the book!’

### 4.4 VALENCY-CHANGING PROCESSES

#### 4.4.1 PASSIVE

Morphological passive in Ishiculu is marked with *-walɣ* and decreases the valency of transitive verbs.

- (25) U    -bonɣ -walɣ -mbi.  
 2SG -see    -PASS -PST  
 ‘You were seen.’
- (26) Ntało kitabu    shi-so-walɣ-mbi.  
 CLF.7 book(7) CL7.SG-read-PASS-PST  
 ‘The book was read.’

The agent of the verb is then ineffable in the passive construction.

- (27) \* Ntało kitabu shi-ngi-so-walɣ-mbi mina.  
 CLF.7 book(7) CL7.SG-1SG-read-PASS-PST PRON.1SG  
 Intended meaning: ‘The book was read by me.’

#### 4.4.2 IMPERSONAL

When the verb is impersonal, it does not bear a subject agreement prefix. The commonest impersonal is meteorological predicates.

- (28) Cofi ha-mbi.  
 yesterday rain-PST  
 ‘It rained yesterday.’

Impersonal construction is also used for indefinite subjects. Note that this decreases the valency of the verb.

- (29) a. Pa ngi-shi-so ntało kitabu.  
 not 1SG-CL7.SG-read CLF.7 book  
 ‘I don’t/won’t read the book.’  
 b. Pa shi-so ntało kitabu.  
 not 7-read CLF.7 book  
 ‘One doesn’t/shouldn’t read the book.’

#### 4.4.3 CAUSATIVE

The suffix *-la* marks the morphological causative form of a verb. Accordingly, as the valency of the verb is increased, the causee of the causative verb is marked as dative agreement on the verb.

- (30) Ngi-ka-shi-so-la Ari ntało kitabu.  
 1SG-CL1.SG-CL7.SG-read-CAUS Ari CLF.7 book(7)  
 ‘I (will) make Ari read the book.’

#### DITRANSITIVE

Prototypical verbs in Ishiculu are transitive at most, and events that semantically require three core thematic arguments are expressed through causatives of transitive verbs.

- (31) Fu            Philadelphia ngi-ka-shi-ke-ła            Ari  
PREP.INT Philadelphia 1SG-CL1.SG-CL7.SG-have-CAUS Ari  
ntało kitabu.  
CLF.7 book(7)  
'I (will) give Ari the book in Philadelphia.'
- (32) Wʁ    babamama ba-ngiw-u-nde-ła-mbi  
CLF.2 parents(2) CL2.PL-1SG-CL4.SG-eat-CAUS-PST  
mina        shizi.  
PRON.1SG cheese(4)  
'My parents fed me cheese.'
- (33) Fu            Philadelphia ngi-ka-shi-hi-ła            Ari  
PREP.INT Philadelphia 1SG-CL1.SG-CL7.SG-hear-CAUS Ari  
ntało kitabu.  
CLF.7 book(7)  
'I (will) read the book to Ari.' (lit. 'I make Ari hear the book.')

#### 4.4.4 PASSIVE OF CAUSATIVE

In a causative construction, the causee or the object can be promoted to the subject position with the passive construction.

#### PROMOTING CAUSEE

This refers to the passive construction similar to the following:

- (34) Passive of causative of intransitive in English  
John makes me cringe. → I am made to cringe (by John).

- (35) Passive of causative of transitive in English  
 John makes the computer change the date. → The computer is made to change the date (by John).
- (36) Passive of ditransitive in English  
 John gives the teacher the book. → The teacher is given the book (by John).

This construction in Ishiculu is formed by a passive suffix *-walɣ* after the causative suffix. The personal suffix of the causer on the verb is then dropped.

- (37) Passive of causative of intransitive in Ishiculu
- a. Ngi-ka        -hulu-ɬa-mbi    John.  
                   1SG-CL1.SG -cry-CAUS-PST John  
                   ‘I made John cry.’
  - b. John ka       -hulu-ɬa-walɣ-mbi.  
                   John CL1.SG -cry-CAUS-PASS-PST  
                   ‘John was made to cry.’
- (38) Passive of ditransitive/causative of transitive in Ishiculu
- a. Shiy-u-ɬo        -meɬi-ɬa-mbi        hehe.  
                   1PL-2SG-CL5.SG -receive-CAUS-PST cake(5)  
                   ‘We mailed you cake.’
  - b. U-ɬo            -meɬi-ɬa-walɣ-mbi        hehe.  
                   2SG-CL5.SG -receive-CAUS-PASS-PST cake(5)  
                   ‘You were mailed cake.’

#### PROMOTING OBJECT

There is no passivization of a causative verb that directly promotes the underlying object, but it is possible to passivize the underlying verb, promoting the object to the causee position before promoting it further to the subject position of the matrix clause. As the subject

in the active voice becomes impossible to be salient in the passive, the causee becomes ineffable in this passive construction.

(39) a. Active voice

John ka-u-shi -ke-ła meyi  
 John CL1.SG-CL3.SG-CL7.SG -have-CAUS CLF.3  
 shɣ ntało kitabu.  
 teacher(3) CLF.7 book(7)  
 ‘John gives the teacher the book.’

b. Impossibility of direct promotion of object

\* Ntało kitabu shi-u -ke-ła-walɣ meyi  
 CLF.7 book(7) CL7.SG-CL3.SG -have-CAUS-PASS CLF.3  
 shɣ.  
 teacher(3)  
 Intended meaning: ‘The book is given to the teacher.’

c. Causative of passive

John ka-u-shi -ke-walɣ-ła ntało  
 John CL1.SG-CL3.SG-CL7.SG -have-PASS-CAUS CLF.7  
 kitabu.  
 book(7)  
 ‘John gives the book.’ (lit. ‘John makes the book be had.’)

d. Passive of causative of passive

Ntało kitabu shi-ke-walɣ-ła-walɣ.  
 CLF.7 book(7) CL7.SG-have-PASS-CAUS-PASS  
 ‘The book is given.’ (lit. ‘The book is made to be had.’)

e. Ineffability of the causee

\* Ntaŋo kitabu shi-u -ke-walɣ-ɫa-walɣ  
CLF.7 book(7) CL7.SG-CL3.SG -have-PASS-CAUS-PASS  
meyɪ shɣ.  
CLF.3 teacher(3)

Intended meaning: 'The book is given to the teacher.'  
(lit. 'The book is made to be had.')

# 5

## Adpositions

ISHICULU NOUNS DO NOT EXHIBIT case markings but rather receive prepositions and postpositions. Prepositions are used to mark locative case, and overt postpositions are only used in marking the lative or the ablative, shown in 5.0.1. Note that the presence of both prepositions and postpositions is uncommon, especially among VO languages [1].

	<i>ø</i> : static	<i>tso</i> : ablative	<i>ghu</i> : lative
<i>fu</i> : interior	‘in, at, inside’	‘out of’	‘into’
<i>tsɤ</i> : surface	‘on the surface of’	‘off the surface of’	‘onto the surface of’

**Table 5.0.1:** Prepositions and postpositions in Ishiculu.

- (40) Fu Philadelphia  $\emptyset$  shi-ka-ke-ła Ari  
 PREP.INT Philadelphia POST.STA 1PL-CL1.SG-have-CAUS Ari  
 ntało kitabu.  
 CLF.7 book(7)  
 ‘We will give Ari the book in Philadelphia.’
- (41) Ari fu Philadelphia tso.  
 Ari PREP.INT Philadelphia POST.ABL  
 ‘Ari is from Philadelphia.’



# 6

## Classifiers

APPROXIMATELY 35% of world languages have numeral classifiers, among which are Mandarin and Cantonese [2]. Even though in traditional grammar, Zulu is not considered to have any classifier, the noun classes in Zulu fit nicely with the classifiers coming from Chinese languages, especially from Cantonese, where classifiers are more versatile outside of contexts with numerals. In Ishiculu, the classifier modifying a noun is determined by the class of the modified noun, shown in Table 6.0.1

When the noun is used generically instead of as reference to its instances, no classifier is used.

- (42) Ngi-u-nde-mbi shidzi.  
1SG-CL4.SG-eat-PST cheese(4)

noun class	classifier
1	wo
2	wɾ
3	meyi
4	u
5	ishi
6	iʒi
7	ntaʎo
8	aʒo

**Table 6.0.1:** Classifiers in Ishiculu.

‘I ate cheese.’

A classifier is required when a numeral modifies the noun.

- (43) Ngi-zhi-ke        *nta ntaʎo* kitabu.  
 1SG-CL7.PL-have three CLF.7 book  
 ‘I have three books.’

Ishiculu employs classifiers to accompany nouns when they refer to entities in a non-generic ways. When the noun is specified in the following ways, a classifier is obligatory.

- (44) Modified by a genitive

Ngiw-u-nde-mbi    *u shidzi ce-John*.  
 1SG-CL4.SG-eat-PST CLF.4 cheese(4) GEN-John  
 ‘I ate John’s cheese.’

- (45) Modified by a demonstrative

Ngiw-u-nde-mbi    *ligha u shidzi*.  
 1SG-CL4.SG-eat-PST this CLF.4 cheese(4)  
 ‘I ate this cheese.’

- (46) Modified by a relative clause

Ngiw-u-nde-mbi    *u*    shidzi    *uw-uw-ioani*  
1SG-CL4.SG-eat-PST CLF.4 cheese(4) 2SG-CL4.SG-like  
*wona.*  
PRN.CL4.SG

‘I ate the cheese that you like.’

# 7

## Embeddings

### 7.1 COORDINATION

NOUNS, VERBS, AND CLAUSES all coordinate in Ishiculu. The coordination of nouns makes use of the conjunction *hɣ*. Verbs and clauses coordinate by juxtaposing.

- (47) iwai hɣ shidzi  
wine and cheese  
'wine and cheese'
- (48) Ngi-nde, ngi-hulu.  
1SG-eat 1SG-cry  
'I eat, and I cry.'

## 7.2 RELATIVE CLAUSES

Relative clauses are restrictive in Ishiculu. They are externally headed and post-nominal and do not include a complementizer or relative pronoun.

The primary construction of the relative clauses relativizes the subject in the clause.

- (49) Ngiw-uw-ioani meyi shɿ  
1SG-CL3.SG-like CLF.3 teacher(3)  
u-ka-shi-ke-ɬa-mbi Ari ntaɬo kitabu.  
CL3.SG-CL1.SG-CL7.SG-have-CAUS-PST Ari CLF.7 book(7)  
'I like the teacher that gave Ari the book.'

Direct objects cannot be relativized through the same construction. Rather, the speaker makes use of two strategies, the first of which is to passivize the relative clause so that the direct object is promoted to the subject position.

- (50) \* Ngi-shiy-ioani ntaɬo kitabu meyi shɿ  
1SG-CL7.SG-like CLF.7 book(7) CLF.3 teacher(3)  
u-so-mbi.  
CL3.SG-read-PST  
Intended meaning: 'I like the book that the teacher read.'
- (51) Ngi-shiy-ioani ntaɬo kitabu u-so-walɿ-mbi.  
1SG-7.SG-like CLF.7 book(7) 3.SG-read-PASS-PST  
'I like the book that was read.'

The other strategy is to include a resumptive pronoun in the relative clause.

- (52) Ngi-shiy-ioani ntaɬo kitabu meyi shɿ  
1SG-7.SG-like CLF.7 book(7) CLF.3 teacher(3)  
u-so-mbi sona.  
3.SG-read-PST PRN.7.SG  
'I like the book that the teacher read.'

# 8

## Interrogatives

### 8.1 POLAR QUESTIONS

POLAR QUESTIONS in Ishiculu are formed with the question particle *le* at the end of the sentence.

- (53) a. Meyi shɤ            u-ka-shi-ke-ɬa-mbi  
         CLF.3 teacher(3) CL3.SG-CL1.SG-CL7.SG-have-CAUS-PST  
         Ari ntaɬo kitabu.  
         Ari CLF.7 book(7)  
         ‘The teacher gave Ari the book.’  
      b. Meyi shɤ            u-ka-shi-ke-ɬa-mbi  
         CLF.3 teacher(3) CL3.SG-CL1.SG-CL7.SG-have-CAUS-PST  
         Ari ntaɬo kitabu    le?  
         Ari CLF.7 book(7) Q

‘Did the teacher give Ari the book?’

### 8.1.1 RESPONDING TO POLAR QUESTIONS

Ishiculu uses particles *yebo*, ‘yes’ and *cha*, ‘no’ to respond to polar questions. Response strategy is also truth-based; i.e., *cha* confirms a negative question, and *yebo* contradicts the negation of a negative question.

- (54) a. Meyi shɤ            u-ka-shi-ke-ɬa-mbi  
         CLF.3 teacher(3) CL3.SG-CL1.SG-CL7.SG-have-CAUS-PST  
         Ari ntaɬo kitabu le?  
         Ari CLF.7 book(7) Q  
         ‘Did the teacher give Ari the book?’
- b. Yebo.  
         yes  
         ‘Yes(, the teacher gave Ari the book).’
- c. Cha.  
         no  
         ‘No(, the teacher did not give Ari the book).’
- (55) a. Meyi shɤ            pa  
         CLF.3 teacher(3) not  
         u-ka-shi-ke-ɬa-mbi                            Ari ntaɬo  
         CL3.SG-CL1.SG-CL7.SG-have-CAUS-PST Ari CLF.7  
         kitabu le?  
         book(7) Q  
         ‘Did the teacher not give Ari the book?’
- b. Yebo.  
         yes  
         ‘Yes(, the teacher gave Ari the book).’
- c. Cha.  
         no  
         ‘No(, the teacher did not give Ari the book).’

## 8.2 CONTENT QUESTIONS

Content questions are formed with the question particle *le* at the end of the sentence. Some WH-words in Ishiculu include *uba*(2), ‘who;’ *uni*(4), ‘what;’ *una*, ‘where.’

When the WH-word is the subject, the question is formed with the WH-word *in situ*.

- (56) a. Wɣ babamama ba-uw-u-nde-ɬa-mbi  
 CLF.2 parents(2) CL2.PL-2SG-CL4.SG-eat-CAUS-PST  
 wena shizi.  
 2SG cheese(4)  
 ‘Your parents fed you cheese.’
- b. Uba ka-uw-u-nde-ɬa-mbi wena  
 who(2) CL2.SG-2SG-CL4.SG-eat-CAUS-PST 2SG  
 shizi le?  
 cheese(4) Q  
 ‘Who fed you cheese?’

Non-subject WH-words need to be moved to the post-verbal position.

- (57) Wɣ babamama ba-ka-u-nde-ɬa-mbi  
 CLF.2 parents(2) CL2.PL-CL2.SG-CL4.SG-eat-CAUS-PST  
 uba shizi le?  
 who(2) cheese(4) Q  
 ‘To whom did your parents feed cheese?’
- (58) Wɣ babamama ba-uw-u-nde-ɬa-mbi  
 CLF.2 parents(2) CL2.PL-CL4.SG-CL4.SG-eat-CAUS-PST  
 uni wena le?  
 what(4) 2SG Q  
 ‘What did your parents feed you?’
- (59) Wɣ babamama ba-uw-u-nde-ɬa-mbi una  
 CLF.2 parents(2) CL2.PL-2SG-CL4.SG-eat-CAUS-PST where



wena shizi le?  
 2SG cheese(4) Q  
 ‘Where did your parents feed you cheese?’

When there are more than one WH-word, one of them is regarded as the primary WH-word, which follows the WH-word movement strategies described above. The remaining WH-words are *in situ*. In Example 60, the WH-word in italics is the primary one.

- (60) a. *Uba* ka-uw-u-nde-~~la~~-mbi wena uni  
 who(2) CL2.SG-2SG-CL4.SG-eat-CAUS-PST 2SG what(4)  
 le?  
 Q  
 ‘Who fed you what?’
- b. Uba ka-uw-u-nde-~~la~~-mbi *uni* wena  
 who(2) CL2.SG-2SG-CL4.SG-eat-CAUS-PST what(4) 2SG  
 le?  
 Q  
 ‘What did who feed you?’

# Glossary

**babamama** parents, 2

**bonʁ** see

**caca** big

**cofi** yesterday

**conkei** house, 4

**ha** rain, IMPERS

**hehe** cake, 5

**heje** courtyard, 7

**hi** hear

**hulu** cry

**huma** jump

**ika** cat, 6

**ioani** like

**iwai** wine, 4

**ke** have

**kitabu** book, 7

**laba** these

**ligha** this

**meli** receive

**nde** eat

**nji** table, 7

**nta** three

**ntochʁ** car, 8

**pa** not

**paka** park (a vehicle)

**rʁ** hot

**shidzi** cheese, 4

**shʁ** teacher, 7

**so** read

**tumʁ** tomorrow

**toʔo** small

**ʔoko** red

# References

- [1] Matthew S. Dryer. *Order of Adposition and Noun Phrase*. Max Planck Institute for Evolutionary Anthropology, Leipzig, 2013. URL <http://wals.info/chapter/85>.
- [2] David Gil. *Numeral Classifiers*. Max Planck Institute for Evolutionary Anthropology, Leipzig, 2013. URL <http://wals.info/chapter/55>.
- [3] Joseph H. Greenberg. Some universals of grammar with particular reference to the order of meaningful elements. In Joseph H. Greenberg, editor, *Universals of Human Language*, pages 73–113. MIT Press, Cambridge, Mass, 1963.
- [4] Ian Maddieson. *Consonant-Vowel Ratio*. Max Planck Institute for Evolutionary Anthropology, Leipzig, 2013. URL <http://wals.info/chapter/3>.