# 3. Numeral System in Dawuro

# Dr. Alebachew Biadgie, **Department of Amharic**, Debremarkos University, Ethiopia Email: <a href="mailto:alebekb@gmail.com">alebekb@gmail.com</a>

#### Abstract

This study investigates the numeral system of one of the complex and least studied languages of Omotic, Dawuro. For the study, the basic objective shaped is providing brief description of Dawuro numeral system. The data for the studyprincipally based on the first-hand that the researcher collected from the area of the native speaker of the language. Data collection methods employed were elicitation, group discussion and text collection. Various word paradigms, phrasal and clausal structures related to numeralswere collected by elicitation and more complex word paradigms were collected by group discussion. Traditional stories (such as fables) and texts from other genres (dialogues and descriptions of processes) were collected by text collection. Of the different approaches to the study of languages, this study is analyzed based on Dixon's (2010), Blake (2004), König (2008) and Comrie (1976). In the analysis, various forms and functions of numerical expressions of Dawuroare dealt with. As the result indicates, in their citation form, Dawuronumerals have the terminal vowel -a. They showsome similar characteristics with nouns since they inflect like nouns and adjectives. It is discussed that at one time in the past Dawuro used a quintesimal 5-base system. However, currently, Dawurois analyzed as a decimal numeral system. Dawuronumerals are classified as cardinals and ordinals. The cardinals are described in terms of their form and function. Basically, inDawuro cardinals function as the basic counting units and modifiers. When cardinals function as modifiers, usually their terminal vowel is dropped or altered to another vowel. Different systems are employed to form various types of cardinals. The ordinals on the other hand, are differentiated by morphological features. As a result, ordinals are formed by attaching the morpheme, **-ntsuwa** on the cardinals.

#### **Abbreviations and Symbols**

ADJ adjective ADD additive

ABL ablative case
AFF affirmative
ACC accusative
ADV adverb

AN adjectivization morpheme

C consonant
CAUS causative
CNV Converb

COM comitative case
COMP Complementizer
CON conjunction

COP copular verb

CND conditional marker

DM demonstrative

DAT dative case

DCL declarative

DIST distal demonstrative

DIR directive

EPN epenthetic vowel/glide

F feminine

#### **INTRODUCTION**

# The Dawuro people and the language

Until 1984, 'Kullo'(now derogatory), which is believed to have originated from the name of a certain place called 'kuili', was the name of the Dawuro and their language (Hirut 2007:72). However, later by their own preference, 'Dawuro' became the name of the language and thepeople. The name Dawuro indicates impregnable, powerful and heroic people(Data 1997:12).

"The name Dawuro is employed for the people and their land (zone) that is found in the Southern Nations, Nationalities and People's region" (Admasu2014:20). According to the current Ethiopian political administrative structure, Dawuro is one of the Zones which is found in the Southern Nations, Nationalities, and Peoples Regional State where the Dawuro people live.

Bender (2000) classified Omotic languages based on morphological analysis. According to Bender (2000), the Omotic branch contains the languages that have pronouns of **ta** (for first person), and **ne**(for second person). In Fleming's (1975:47) classification, Dawurois considered as one of the four languages of North Ometo cluster. In Bender's (2000) classification, on the other hand, Dawuro is classified as one of 'WELAITTA CLUSTER' of North West Ometo. This supports the idea of Fleming (1976:48) which emphasizes that since they are mutually intelligible, North Ometo languages shall be considered as 'Wolaytta' type. However, scholars such as Hirut (2007:74) and Azeb (1994:1121) arguethat the languages Dawuro, Wolaytta, Gamo and Gofa are not the dialects of Wolaytta but distinct languages.

## The sociolinguistic situation

Dawuro is said to have three dialects: Gene, Waka and Jimma (Allan 1976:324). Hirut (2007:72) on the other hand, suggests two regional dialects of Dawuro: Mes'a and Gok'a. This calls for further sociolinguistic investigation on the dialects. In this article, very few lexical differences are recorded and the researcher expects that the difference existed in the language is due to influences from neighbouring languages such as wolaytta and Gofa.

The language hadno written script until 1991. But after 1991, Dawuro has developed into written form inconnection with the country's major political and language development change (Hirut2007:72). Nowadays, Dawuro is used as a medium of instruction in primaryschools using Latin orthography.

## Previous works on the language

A few studies with different degree of emphasis have been found onDawuro, which include books, articles, MA theses and senior essays.

Allan (1976) sketches the phonology, morphology and syntax of Dawuro. To the best of my knowledge, Allan's work is the first descriptive work on the language. In the phonology part, he identifies five vowel and twenty six consonant phonemes. In addition, Allan roughly assesses vowel length, diphthong, gemination, and syllable structure. In the morphology part, Allan gives a very general overview on noun modifiers, possessives, numerals, plurals, noun derivation, verb inflection and pronouns mentioning some basic properties. In the syntaxpart, Allan describes phrase and clause structures.

Alemayehu (1981) in his unpublished MA thesis entitled 'Omotic and Cushitic Verb Markers: APossible Isogloss' and Zaborski (1984) in his article entitled 'Remarks on the Verb in Ometo'include some linguistic data on morphology of the language. Hiwot (1988) in her senior essay entitled 'Kullo Verb Morphology' writes on the verb morphology of the language. She gives an overview of verb inflection for person, tense, mood and derivation. On the other hand, Siseraw (1989) in his senior essay entitled 'The Noun Morphology of Kullo' gives an overview on noun inflection and derivation in the language.

Azeb (1994:1121-1129) in her article entitled 'Ometo Verb Derivation: the Case of Basketo, Maale, K:oreteand Kullo'shows the similarities and differences of the languages based on thederivations and inflections. She investigates the internal relationship of these languages to point out their genetic correlation by means of their boundmorphemes. Another study on the language is Bender's (2000) work. In his book entitled "Comparative Morphology of the Omotic Languages", he deals with some aspects of the North West Omotic languages. Bender collects some verbal system of Wolaytta, Dawuro and Gamo and analyze verbal system of these related languages.

Hirut (2007) has an article on the language entitled "Some Aspects of the Phonology and Morphology of Dawuro". Hirut describes the phonology and morphology of the language in detail. Alebachew (2010) in his MA thesis entitled "Verb Complements in Dawuro" also assesses the verb complements of the language. In this study, He classifies Dawuro verbs according to the complement they take. Tariku (2010) in his MA thesis entitled "Aspects of Dauro Phonology" discusses the sound system of the language and common morphophonemic processes. Even if Hirut (2007) gives very narrow overview, an in depth analysis of numeral is not undertaken for Dawuro.

## **Statement of the problem**

Dawuro is one of the lesser studied languages in the Omotic family. There are only a fewlinguistic works done on the language. The available materials on the morphology and syntax of thelanguage are scanty. There is no work done hitherto on the morphology of the language in greater width and depth.Particularly, the numeral system of the language has not been studied well even if Hirut (2007) gives only an overview.Only Hirut (2007) provides very short explanation about cardinal numerals. Hence, the researcher is initiated to undertake this studyto fill the gap.

The following are the basic research questions of this study.

- 1. How the numeral system of of the language would be expressed?
- 2. How the inflectional morphology of the numeralsis stated?

## **Objective of the study**

The general objective of this study is to provide an in-depth description of Dawuromorphology. The study particularly focuses on the following points.

- 1. Describing the numeral system of of the language
- 2. Explaining the inflectional morphology of the numerals

## Scope of the study

This study focuses on the description of Dawuro numerals. Hence, it discusses the function and form of the numeral system of the language. The study does not include theoreticalissues, as it is exclusively descriptive. The data is collected from Waka and the surrounding area to avoid dialectal confusion.

# Significance of the study

The concern of this study, as has been mentioned, is providing a descriptive analysis of Dawuro numerals. The significance of the present study relieson the following aspects.

1. Dawuro is an under-studied language, which has not yet been documented well. Thisstudy will contribute to the preservation of the linguistic characters of Dawuro, characters which will provide a reference and a point of departure for the developments of the language. It is also hoped that the study will help to fill the gaps in our knowledge of Dawuronumeral.

- Linguistswho desire to deal with Omotic languages generally and Dawuro specifically
  havefrequentlyclaimedthat they have encounteredproblems due to the lack of linguistic
  data. This study contributes, therefore, toourknowledge of a relatively unstudied member
  of the Ometo cluster, providing the latest facts on Dawuro numerals.
- 3. The findings of the morphological description can also be used as a springboard for further studies in field of Dawuro linguistics.

## Methodological and theoretical consideration

This study isprimarily based on first-hand data. To avoid dialectal confusion the first-hand data was collected from Dawuro zone, Waka and the surrounding. Yosef abera, debebeadnew, BetelhemeBezabih, mengistuwole and selamawitmendisu are the informants and their age is 41,21, 25,24, and 28 respectively. Except Yosef abera all are university students and they are the native speaker of Dawuro. Elicitation, group discussion and text collectionare the methods that have been applied to collect data. Various word paradigms, phrasal and clausal structures are collected by elicitation. Some word paradigms, phrasal and clausal structures are also collected by group discussion. Text collection is also applied for collecting some data. The collected data are carefully transcribedand translated before being used in the analysis presented. All the data procured isannotated and recorded. All the evidence proving myfindings and analysis are based on the recordeddata and rechecked with the native speakers.

In the discussion, the data are transcribed phonemically; in very few instances, to show a phonetic environment transcription is made phonetically. Transcriptions enclosed by slashes are intended as phonemic. When necessary to show the phonological processes, phonetic writing is used and enclosed with bracket. Words, phrases, sentences and texts which are not enclose either by slash or brackets are considered as phonemic.

Of the variousapproaches to the study of languages, this article is analyzed based on different approaches to language descriptions. One of the approaches to language description used is Dixon's (2010) 'Basic Linguistic Theory'. According to Dixon (2010) basic linguistic theory has its origin in the work of Sanskrit and Greek grammarians and it is used for the description of languages. As a result, basic linguistic theory helps to describe inflectional and derivational morphemes of individual languages and how they interact and fit into the grammatical form of

the language. In case typology, concepts and descriptions of Blake (2004) and König (2008), Comrie (1976), Dahl (1985) and othershave been used.

## **Numeral system of Dawuro**

In this section, various forms and functions of numerical expressions of Dawuro are dealt with.In their citation form, numerals have the terminal vowel **-a**.Numerals have some similarcharacteristics with nouns of Dawuro since they inflect like nouns. Numerals can be classified as cardinals and ordinals. Let us discuss the cardinals of Dawuro first.

#### Cardinals

Hirut (2007) discussed the numeral system of Dawuro. Hirut only described the cardinals but not ordinals. She only described the basic numeral with scanty data. She did not discuss the inflection of numerals.

Currently, Dawuro can be analysed as a decimal numeral system. As explained in (1) below, the numerals eleven to nineteen (11-19) are derived by combining the numerals one to nine (1—9) and the word for 'ten', támmá. However, it is also possible to suggest that at one time in the past the language used a quintesimal 5-base system. As observed in (1) below there is an element, ppuna, which can be a trace of a base 5 system. In the cardinal number from six to nine the element -ppuna attached at their ending. The elements in which the -ppuna part is attached seem also similar to the numbers one to five in a certain extent. For instance, the beginning syllables of the numbers láá-ppuna, 'seven' and hós-ppuna, 'eight'seem similar with the beginning syllables of the numbers laa-?á 'two'and héé-zzá 'three'. Similarly, the element ?úddúin?úddú-ppuna, 'nine' seem to have some similarity with the numeral ?ojda 'four'. Butthe cardinal numeral six shows no relationship with other numbers.

When numerals modify other numerals, usually their terminal vowel is dropped or altered to another vowel. Accordingly, the terminal vowel of cardinal numeral one, **a** is altered to the vowel **i** and the terminal vowel of cardinal numerals two to five (including ten), **a** alters to the vowel **u**. The terminal vowel of cardinal numerals six to nine, however, is dropped. The basic counting units and modifier cardinals of the language are the following.

1) Counting cardinals Modifier cardinals

?íttá	?íttí	'one'
laa?á	laa?ú	'two'
Héézzá	Heezzú	'three'
?ojda	?ojdu	'four'
?íce∫a	Picefu	'five'
?úsúppuna	?úsúppun	'six'
Lááppuna	Laáppun	'seven'
Hósppuna	Hósppun	'eight'
?úddúppuna	?úddúppun	'nine'
Támmá	Támmú	'ten'

Numerals between eleven and nineteen are formed from the combination of lower numerals (one to nine) and the word for ten,**támmá**. In these combinations no modifications of the base numerals occur. However, there is a conjunction which combines the base numerals and the word for ten. The coordinating conjunction is,—**nne**'and'which is suffixed to **támmá**, 'ten'.

2)	támmá-nne?íttá	'eleven'	=10+1	11
	támmá-nnelaa?á	'twelve'	=10+2	1
	támmá-nnehéézzá	'thirteen'	=10+3	13
	támmá-nne?ojda	'fourteen'	=10+4	14
	támmá-nne?íce∫a	'fifteen'	=10+5	15

támmá-nne?úsúppuna	'sixteen'	=10+6	16
támmá-nnelááppuna	'seventeen'	=10+7	17
támmá-nnehósppuna	'eighteen'	=10+8	18
támmá-nne?úddúppuna	'nineteen'	=10+9	19

Multiplets of ten are formed by modified form of the cardinals from two to nine followed by the word for 'ten', támmá. Accordingly, the numerals '20', '30', '40', '50', '60', '70', '80', and '90' laa?átámmá'two ten(lit.)', be expressed 'héézzátámmá, 'three can as ten(lit.)',?ojdatámmá'four ten (lit.)',?ícesatámmá'five ten (lit.)',?úsúppunatámmá'six ten (lit.)', lááppunatámmá 'seven ten(lit.)',hósppunatámmá, 'eight ten (lit.)', and **?úddúppunatámmá** 'nine ten' (lit.) respectively. However, they are reduced to the following (3)below.

3)	laa-támá	Laatámá	'twenty'	= 2*10	=20
	háá-támá	Háátámá	'thirty'	=3*10	=30
	?oj-támá	?ojtámá	'fourty'	=4*10	=40
	?í∫a-támá	?i∫atámá	'fifty'	=5*10	=50
	?úsúppu-támá	?usupputámá	'sixty'	=6*10	=60
	lááppu-támá	láápputámá	'seventy	=7*10	=70
	hósppu-támá	hóspputámá	'eighty'	=8*10	=80
	?úddúppu-támá	?úddúpputámá	'nineteen'	=9*10	=90
	s'eetá		'hundred'	100	

In (3) above to form multiplets of ten, the numerals from two to nine drop their last syllable and combined with the word **támmá**, 'ten' except the numeral five which drop the middle syllable. In addition, in the word for 'ten', **támmá**, mm is degeminated to mwhen combined with other

numerals. Tariku (2010: 22&40) uses the degeminated**m** in the cardinals **laatama**, 'twenty' 'and **?oitama**, 'fourty'. Besides, Hirut (2007: 120) uses the degeminated**m** for the cardinalstwenty, thirty, fourty and fifty but she uses the gminated**mm** for the numerals sixty to ninety. As a result, as the data shows, Iagree completely with Tariku (2010) but partially with Hirut (2007).

Multiplets of hundredsare formedwhen the numeral hundred is modified by the numerals from one to nine. The examples are given in (4) below.

4)	(ʔíttí)	s'eetá	'one hundred'
	laa?ú	s'eetá	'two hundred'
	Héézzú	s'eetá	'three hundred'
	?ojdu	s'eetá	'four hundred'
	?ice∫u	s'eetá	'five hundred'
	?úsúppun	s'eetá	'six hundred'
	Lááppun	s'eetá	seven hundred'
	Hósppun	s'eetá	eight hundred'
	?úddúppun	s'eetá	'nine hundred'
	∫á?á		'thousand'

In the above example, when one to ten numerals modify hundred, one to five (1—5) numerals change their terminal vowel (the vowel **a** alters to **u**) while the numbers from six to nine(6—9) drop their terminal vowel.

The following examples show the formation of cardinal numerals from one hundred one to one hundred nine.

s'eetá-nne ?íttá 'one hundred one' 101

s'eetá-nne	laa?á	'one hundred two'	102
s'eetá-nne	Héézzá	'one hundred three '	103
s'eetá-nne	?ojda	'one hundred four'	104
s'eetá-nne	?íceʃa	'one hundred five'	105
s'eetá-nne	?úsúppuna	'one hundred six'	106
s'eetá-nne	Lááppuna	'one hundred seven'	107
s'eetá-nne	Hósppuna	'one hundred eight'	108
s'eetá-nne	?úddúppuna	'one hundred nine'	109

Multiplets of thousand are formed in the same way as multiplets of hundreds. Já?á'thousand' ismodified by the numerals from one to nine as illustrated in (6) below.

6)	(ʔíttí)	∫á?á	'one thousand'
	laa?ú	∫á?á	'two thousand'
	Héézzú	∫á?á	'three thousand'
	?ojdu	∫á?á	'four thousand'
	?íceʃu	∫á?á	'five thousand'
	?úsúppun	∫á?á	'six thousand'
	Lááppun	∫á?á	'seven thousand'
	Hósppun	∫á?á	'eight thousand'
	?úddúppun	∫á?á	'nine thousand'
	Támmú	∫á?á	'ten thousand'

The conjunctive morpheme,—**nne**'and' plays animportant role in the cardinal number system of Dawuro. The cardinal numbers above ten always use this conjunctive word to express the numbers. Cardinal numerals above hundred use this conjunctive morpheme even twice or three times as considered in the illustrations given in (7) below.

7) a) s'eetá-nnetámmá-nne?íceſa

hundred-CON ten-CONfive

'One hundred fifteen'

b) ?íceʃ-ú ʃáʔá-nneʔíceʃus'eetá-nnetámmá-nneʔúsúppuna

five-NOM thousand-CON five thousand-CON ten-CON six

'Five thousand five hundred sixteen'

In the sentences (8) below the cardinals occur before nouns.

8) a) ʔíceʃu deʃ-a-tú tá-w deʔ-e

Five goat-TV-PL:NOM I-DAT exist-1SG:PRS:DCL:AFF

'I have five goats.'

b) ?íceſu támmá-nne ?íceſu dorsá-tú zál?-étt-eddino

Five ten-CON Five sheep-TV-PL:NOM sell-PASS-3PL:PAST:DCL:AFF

'Fifty five sheep were sold.'

Cardinal numerals are also used as expressions of frequency. The forms of expressions of frequency are derived by combiningthe cardinal numerals with the wordtara 'time'. The detail is given in (9) below.

9) ?íttí Tárá 'one time'

laa?ú Tárá 'two times'

The following sentences contain the frequentive cardinal numerals.

- 10) a) ta ?áb-ú héézzú Tárá máj-u-a ſámm-anawunu

  my father-TV:NOM Three Time cloth-TV-ACC buy-3MSG:FUT:DCL:AFF

  'My father will buy me cloth thrice.'
  - b) ?íttí tárá-ka wák-á-ko b-abeekki
     One time-ADD waka-TV-DIR go-1SG: PAST: DCL:NEG
     'I did not go to Waka even once.'
  - c) Lááppun Tárá Jál-u-a tal?-eddo Seven Time money-TV-ACC borrow-1PL:PAST:DCL:AFF

'We borrowed money seven times.'

Like nouns and adjectives, cardinal numerals inflect for case. The illustration in (11) below shows cardinal numeral in their masculinenominative, accusative and dative case. Numerals

60

<sup>&</sup>lt;sup>2</sup> Cardinal numerals do not mark gender.

behave differently from those of nouns. The nominative is formed by dropping the terminal vowel **a** and attaching another vowel, **u**, on the numerals. Unlike nouns, the accusative is realized by attaching the morpheme-**a** (the morpheme is similar to theaccusative marker morpheme of nouns and the glide **w** is inserted to break vowel sequence). The dative marker -\(\delta\) and genitive marker morpheme -\(\mathbf{w}\)e are special for numerals (examine that for nouns, the dative marker is-\(\mathbf{w}\) or -\(\mathbf{ssi}\)(and that of genitive is -\(\mathbf{w}\)a. The rest of the peripheral cases are built on the accusative form with the usual case suffixes of nouns:-\(\mathbf{ppe}\)for ablative, -\(\mathbf{n}\)a for comitative, -\(\mathbf{n}(\mathbf{i})\) for instrument and -\(\mathbf{k}\)o for directive.

11)	Citation form		NOM	ACC	DAT
	?íttá	'one'	?íttú	?íttuwa	?íttó
	laa?á	'two'	laa?ú	laa?uwa	laa?ó
	Héézzá	'three'	Héézzú	Héézzuwa	Héézzó
	?ojda	'four'	?ojdú	?ojduwa	?ojdó
	?íce∫a	'five'	?íceſú	?íce∫uwa	?íce∫ó
	7úsúppuna	'six'	?úsúppunú	?úsúppunuwa	?úsúppunó
	Lááppuna	'seven'	lááppunú	Lááppunuwa	lááppunó
	Hósppuna	'eight'	hósppunú	Hósppunuwa	hósppunó
	?úddúppuna	'nine'	?úddúppunú	?úddúppunuwa	?úddúppunó
	Támmá	'ten'	Támmú	Támmuwa	Támmó

In (12) cardinal numerals are in their masculine genitive and ablative cases.

12)	Citation form		GEN	ABL	
	?íttá	'one'	?íttuwa-we	?íttuwa-ppe	

laa?á	'two'	laa?uwa-we	laa?uwa-ppe
Héézzá	'three'	héézzuwa-we	héézzuwa-ppe
?ojda	'four'	?ojduwa-we	?ojduwa-ppe
?íceʃa	'five'	?íceʃuwa-we	?íceʃuwa-ppe
?úsúppuna	'six'	?úsúppunuwa-we	?úsúppunuwa-ppe
Lááppuna	'seven'	lááppunuwa-we	lááppunuwa-ppe
Hósppuna	'eight'	hósppunuwa-we	hósppunuwa-ppe
?úddúppuna	'nine'	?úddúppunuwa-we	?úddúppunuwa-ppe
Támmá	'ten'	támmuwa-we	támmuwa-ppe

In Example (13) below cardinals are in their comitative, instrumental and directive cases.

13)	Citation form		COM	INS	DIR
	?íttá	'one'	?íttuwa-na	?íttuwa-ni	?íttuwa-ko
	laa?á	'two'	laa?uwa-na	laa?uwa-ni	laa?uwa-ko
	Héézzá	'three'	héézzuwa-na	héézzuwa-ni	héézzuwa-ko
	?ojda	'four'	?ojduwa-na	?ojduwa-ni	?ojduwa-ko
	?íce∫a	'five'	?íce∫uwa-na	?íceʃuwa-ni	?íce∫uwa-ko
	7úsúppuna	'six'	?úsúppunuwa-na	?úsúppunuwa-ni	?úsúppunuwa-ko
	Lááppuna	'seven'	lááppunuwa-na	lááppunuwa-ni	lááppunuwa-ko
	Hósppuna	'eight'	hósppunuwa-na	hósppunuwa-ni	hósppunuwa-ko

?úddúppuna	'nine'	?úddúppunuwa-na	?úddúppunuwa-ni	?úddúppunuwa-ko
Támmá	'ten'	támmuwana	támmuwa-ni	támmuwa-ko

#### **Ordinals**

In Dawuro cardinals and ordinals are differentiated by morphological features. As a result, ordinals are derived by attaching the suffix morpheme, **-ntsuwa** on the cardinals. When this morpheme isattached, the base of the cardinals modify their phonological shape. Illustrations are provided in (14) below.

14)	Cardinal numerals		Ordinal numerals		
	?íttá	'one'	?ítté-ntsuwa	'first'	
	laa?á	'two'	laa?é-ntsuwa	'second'	
	Héézzá	'three'	héézzé-ntsuwa	'third'	
	?ojda	'four'	?ojde-ntsuwa	'fourth'	
	?ícefa	'five'	?ícefe-ntsuwa	'fifth'	
	?úsúppuna	'six'	?úsúppu-ntsuwa	'sixth'	
	Lááppuna	'seven'	lááppu-ntsuwa	'seventh'	
	Hósppuna	'eight'	hósppu-ntsuwa	'eighith'	
	?úddúppuna	'nine'	?úddúppu-ntsuwa	'ninth'	
	Támmá	'ten'	támmú-ntsuwa	'tenth'	

As illustrated in (14) above, when the morpheme **-ntsuwa**isattached to the cardinals most of them modify their base. Forinstance, the cardinals one to four (1—5)drops their terminal vowel **a** and the vowel **e** is introduced instead. Similarly the cardinal ten drops its terminal vowel **a** and the vowel **u** attachesto it instead. When the terminal vowels are deleted they leave their tone

trace. The cardinals six to nine (6—9) drop their terminal vowel without replacing another vowel to be attached on it.

In large ordinal numbers, the morpheme **-ntsuwa** is attached on the last number as illustrated in (15) below.

15)	a)	laa?ú	s'eetá	-nne	hós	ppu-támá-nne	hósppun-ntsuwa
		Two	hundr	ed-CON	eigl	ht-ten-CON	eight-ORD
		'two hundr	ed eight	ty eighth.'			
	b)	?íttí		∫á?á-nne		Hósppun	s'eetá-nne
		One		thousand-CO	N	Eight	hundred-CON
		Hósppun		támmá-nne		hósppun-ntsuwa	
		Eight		ten-CON		eight-ORD	

<sup>&#</sup>x27;one thousand eight hundred eighty eighth.'

Ordinals are inflected for case andgender. The illustration in (16) below shows ordinals in their masculine nominative, absolutive and dative case.

16)	Ordinal		NOM	ABS	DAT
	?ítté-ntsuwa	'first'	?ítté-ntsú	?ítté-ntsuwa	?ítté-ntsuwa-w
	laa?é-ntsuwa	'second'	laa?é-ntsú	laa?é-ntsuwa	laa?é-ntsuwa-w
	héézzé-ntsuwa	'third'	héézzé-ntsú	héézzé-ntsuwa	héézzé-ntsuwa-w
	?ojde-ntsuwa	'fourth'	?ojde-ntsú	?ojde-ntstuwa	?ojde-ntstuwa-w
	?íce∫e-ntsuwa	'fifth'	?íce∫e-ntsú	?íce∫e-ntsuwa	?íce∫e-ntsuwa-w

As observed in examples (16) above, ordinals are inflected for case. When the ordinals are in the masculine nominative case, the element-wa is dropped. The vowel u, which bears low tone in the

citation form, gets high tone in the nominative form. Hence, high tone becomes the nominative marker morpheme for masculine. On the other hand, the masculine absolutive form of ordinals is the citation form. In adition, the dative form is marked by the dative marker morpheme of the language without modification of the base of ordinals. In (17) below, ordinals are in their genitive and ablative form.

17)	Ordinals		GEN	ABL	
	?ítté-ntsuwa	'first'	?ítté-ntsuwa-wa	?ítté-ntsuwa-ppe	
	laa?é-ntsuwa	'second'	laa?é-ntsuwa-wa	laa?é-ntsuwa-ppe	
	héézzé-ntsuwa	'third'	héezzé-ntsuwa-wa	héézzé-ntsuwa-ppe	
	?ojde-ntsuwa	'fourth'	?ojde-ntstuwa-wa	?ojde-ntstuwa-ppe	
	?íceſe-ntsuwa	'fifth'	?íce∫e-ntsuwa-wa	?íce∫e-ntsuwa-ppe	

As clearly observed in (17) above,to mark genitive and ablative cases the morphemes are attached to the citation form of ordinals without modification of their base. Similar situation is observed in comitative, instrumental and directive forms in (18) below.

18)	Ordinals		COM	INS	DIR
	?ítté-ntsuwa	'first'	?ítté-ntsuwa-na	?ítté-ntsuwa-n	?ítté-ntsuwa-ko
	laa?é-ntsuwa	'second'	laa?é-ntsuwa-na	laa?é-ntsuwa-n	laa?é-ntsuwa-ko
	héézzé-ntsuwa	'third'	héézzé-ntsuwa-na	héézzé-ntsuwa-n	héézzé-ntsuwa-ko
	?ojde-ntsuwa	'fourth'	?ojde-ntstuwa-na	?ojde-ntstuwa-n	?ojde-ntstuwa-ko
	?íce∫e-ntsuwa	'fifth'	?íce∫e-ntsuwa-na	?íce∫e-ntsuwa-n	?íceſe-ntsuwa-ko

In (19)---(20) below, ordinals are in their femininenominative, accusative, dative and genitive ablative, instrument and directive cases.

19)	Ordinals		NOM	ACC	DAT
	?ítté-ntsuwa	'first'	?ítté-nts-átt-á	?ítté-nts-átt-ó	?ítté-nts-átt-i-w
	laa?é-ntsuwa	'second'	laa?é-nts-átt-á	laa?é-nts-átt-ó	laa?é-nts-átt-i-w
	héézzé-ntsuwa	'third'	héézzé-nts-átt-á	héézzé-nts-átt-ó	héézzé-nts-átt-i-w
	?ojde-ntsuwa	'fourth'	?ojde-nts-átt-á	?ojde-nts-átt-ó	?ojde-nts-átt-i-w
	?íce∫e-ntsuwa	'fifth'	?íce∫e-nts-átt-á	?íce∫e-nts-átt-ó	?ícese-nts-átt-i-w <sup>3</sup>

For feminine nouns, like other class nouns the nominative case marker is -á. The morpheme is attached in association with feminine marker morpheme -átt /-tt.When ordinals are in nominative form, the element -uwa is deleted from the citation form. Similarly, the accusative marker morpheme for feminine ordinals is -ó. It co-occurs with feminine marker, -átt/-tt.To mark feminine dative form, the dative marker is attached after the feminine marker. To break impermissible consonant cluster, epenthethicvowel i is inserted between the dativeand the feminine marker. Similar situation is observed when the genitive, ablative, comitative, instrument and allative marker are attached to feminine ordinals.

20)	Ordinals		GEN	ABL
	?ítté-ntsuwa	'first'	?ítté-nts-átt-i-wa	?ítté-nts-átt-i-ppe
	laa?é-ntsuwa	'second'	laa?é-nts-átt-i-wa	laa?é-nts-átt-i-ppe
	héézzé-ntsuwa	'third'	héézzé-nts-átt-i-wa	héézzé-nts-átt-i-ppe
	?ojde-ntsuwa	'fourth'	?ojde-nts-átt-i-wa	?ojde-nts-átt-i-ppe
	?íce∫e-ntsuwa	'fifth'	?ícese-nts-átt-i-wa	?íce∫e-nts-átt-i-ppe

<sup>&</sup>lt;sup>3</sup>-nts is nominalizer morpheme

<sup>-</sup>áttfunction as the feminine marker

<sup>-</sup>óis absolutive/accusative marker

21)	Ordinals		COM	INS	DIR
	?ítté-ntsuwa	'first'	?ítté-nts-átt-i-na	?ítté-nts-átt-i-n	?ítté-nts-átt-i-ko
	laa?é-ntsuwa	'second'	laa?é-nts-átt-i-na	laa?é-nts-átt-i-n	laa?é-nts-átt-i-ko
	héézzé-ntsuwa	'third'	héézzé-nts-átt-i-na	héézzé-nts-átt-i-n	héézzé-nts-átt-i-ko
	?ojde-ntsuwa	'fourth'	?ojde-nts-átt-i-na	?ojde-nts-átt-i-n	?ojde-nts-átt-i-ko
	?ícefe-ntsuwa	'fifth'	?ícese-nts-átt-i-na	?ícefe-nts-átt-i-n	?ícese-nts-átt-i-ko

The following text contains feminine ordinal inflectional form.

22)tá-ssíhéézzúmítst-átt-tu-a de?-aj?íttígáláss-a?úntútu

I-DAT threesister-F-PL-ACCexist-1SG:PRS:DCL:AFFone day-TVthey:NOM

goll-i-a-ko b-aaddi?ítténts-átt-á tá-ssímaj-u-a

 $house-TV-ACC-DIRgo-1SG: PAST: DCL: AFF \\ ORD-F-NOMI-DATcloth-TV-ACC \\$ 

ſámm-addula?énts-átt-óſal-u-a ?ímm-á g-aaddi

buy-3FSG:PAST:DCL:AFF ORD-F-ACCmoney-TV-ACCgive-IMP:SGsay-

1SG:PAST:DCL:AFF

héézzénts-átt-i-ppe?ájné?ócc-addi

ORD-F-EPN-ABL nothingask-1SG:PAST:DC:AFF

'I have three sisters. One day, I went to their house. The first one bought me cloth. I asked the second one to give me money. From the third, I did ask nothing.'

When the ordinals modify the noun, they do not carry case and gender markersrather ordinals modify their stem.

23)	Citation form	Modifier form			
	?ítténtsuwa	?ítténtsó	'afirst'		
	laa?éntsuwa	laa?éntsó	'a second'		
	héézzéntsuwa	Héézzéntsó	'a third'		
	?ojdentsuwa	?ojdentsó	'a fourth'		
	?íce∫entsuwa	?íce∫entsó	'a fifth'		

As in (24) belowsince the citation form is the basic form, when the ordinals are in their modifier form the element **-wa** deleted and the vowel  $\mathbf{u}$  alters to vowel  $\mathbf{\acute{o}}$  as illustrated in.

24)	a)	?ítténtsó	?as-a-i	gej-a-ppe	j-eedda
		ORD	man-TV-NOM	market-TV-ABL	come-3MSG:PAST:DCL:AFF
		' A first m	an came from market.'		

b) ?ítténtsó ná?-á-i k'ara
ORD boy-TV-NOM Intelligent

'A first boy is intelligent.'

c) laa?éntsó ná-átt-á ?ádussa-tt-ó ORD child-F-NOM long-F-ACC

#### **CONCLUSION**

In Dawuro two types of numerals are identified: cardinals and ordinals. It in their citation form, Dawurocardinals and ordinals have the terminal vowel -a. They inflect like nouns even if their inflectional morphemes seem different in some ways. It is suggested that Dawurocardinals bestanalysed as a decimal numeral system. However, it is possible to suggest that at one time in the past the language used a quintesimal 5-base system. When cardinalsused as modifiers, theyusually dropor altertheir terminal vowel. The basic counting units and modifier cardinals of the language are one to ten. Numerals between eleven and nineteen are derived from the combination of lower numerals (one to nine) and the word for ten, támmá. In the combinations, the coordinating conjunction, -nne and is suffixed to támmá, 'ten' and combines the lower numerals and the word for ten.

<sup>&#</sup>x27;A second girl is tall.'

Multiplets of ten are derived by modified form of the cardinals from two to nine followed by the word for 'ten', **támmá**. Multiplets of hundreds are formed when hundred is modified by the numerals from one to nine. Multiplets of thousand are formed in the same way as multiplets of hundreds.

Cardinal numerals are also used as expressions of frequency. The forms of expressions of frequency are derived by combining the cardinal numerals with the word **tárá**'time'.Like nouns cardinal numerals are inflected for case. In Dawuro, ordinals are formed by attaching the morpheme, **-ntsuwa** on the cardinals followed by the change ofphonological shape of the cardinals. The phonological process triggers the change of phonological shape. Except some phonological change of the cardinals, ordinals follow the same pattern as the cardinals. Ordinals are inflected for case and gender.

#### REFERENCES

Admasu A .(2014). The Origin, Significance and Physical Condition of the Great Medieval Defensive: Dry Stone Walls of Dawuro/Kati HalalaKeela, Southwest Ethiopia. ELRC Working Papers. PP. 17-39.

Alebachew B. (2010). Verb Complements in Dawuro. MA Thesis, Addis Ababa: Addis Ababa University.

Alemayehu H.(1981). Omotic and Cushitic Verb Markers: A Possible Isogloss. MA Thesis, Addis Ababa: Addis Ababa University.

Allan, E. J. (1976). Kullo.In Bender M.L. (ed.).*The Non-Semitic Languages of Ethiopia*. pp 324-351. Michigan: Michigan University Press.

Azeb Amha.1994. Ometo Verb Derivation: the case of Basketo, Male, KoreteandKullo. In Harold Marcus(ed.), *New Trends in Ethipian Studies*.Pp1121-1130.Papers from the 12<sup>th</sup> International Conference of EthiopianStudies. New Jersey: Red Sea Press.

Azeb A. and Dimmendaal, G. J. (2006). Converbs in an African perspective. In F.K. Ameka, A. Dench and N. Evans (eds.), *Catching Language: The Standing of Grammar Writing*.

Berlin/Newyork. PP 393-440.

Bender, M. L. (2000). *Comparative Morphology of OmoticLanguages*. Muenchen: LINCOM EUROPA.

Blake,B. J. (2004). Case (2<sup>nd</sup> ed.). Cambridge: Cambridge University Press.

- Comrie, B. (1976). Aspect: An Introduction to Verbal Aspect and Relatd Problems.

  Cambridge: Cambridge University Press.
- Dahl, ö. (1985). Tense and Aspect Systems. New York: Basil Black Well Inc.
- Data D. (1997). Rural Livelihoods and Social Stratification among the Dawro, Southern Ethiopia.MA Thesis, Addis Ababa: Addis Ababa University.
- Dixon, R.M.W. (2010). *Basic Linguistic Theory: Methodology*(Volume 1). Oxford:Oxford University Press.
- -----(2010). *Basic Linguistic Theory: Grammatical Topics* (Volume 2). Oxford:Oxford University Press.
- -----(2010). Basic Linguistic Theory: Further Grammatical Topics (Volume 3). Oxford:Oxford University Press.
- Fleming, H. (1969). The Classification of West CushticWith in Hamito Semitic. In Daniel (ed.). *Eastern African History*. USA, Washington.
- -----. (1974). *Omotic as an Afroasiatic Family. Studies in African Linguistics*, Supplement 5: 81–94.
- -----. (1975). Cushtic and Omotic. In Bender, M.L.(ed.) , *Language in Ethiopia*.PP34-53. London: Oxford Univerity Press.
- -----. (1976). 'Omotic Overview'. In Bender M.L (ed.), *The Non-Semitic Languages of Ethiopia*. Pp299-323. Michigan: Michigan State University.
- -----.(2007). 'Some Aspects of the Phonology and Morphology of Dawuro.'In Zaborski, A. (ed.), *Folia orientalia*.vol.xlii-xliii.Cracow:Polish Academy of Sciences.
- Hiwot T. (1988). Kullo Verb Morphology. Senior Essay, Addis Ababa: Addis Ababa University.
- König, C. (2008). The Marked-Nominative Languages of Eastern Africa. InBernand. Heine and Derk. Nurse (eds), *A Linguistic Geography of Africa*. 251–271.
- Cambridge:CambridgeUniversity Press.
- ----- (2008). Case in Africa. Oxford:Oxford University.
- Siseraw D. (1989). Noun Morphology of Kullo. Addis Ababa: Senior Essay, Addis Ababa University.
- Zaborski, A. (1984). 'Remarks on the Verb in Ometo.' In S. Rubenson, (ed.), *Proceeding* of the Seventh International Conference of Ethiopian Studies. East Lansing: African Studies Center: Michigan State University.