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# Korava Numerals: A study

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## ABSTRACT

Korava is an indigenous community of South India, which is a Dravidian speech variety used in Karnataka. This is said that Korava is another name of a Telugu dialect namely Yerukala. Several differences between both the varieties are found in recent studies. However, the present paper has shown the major differences between both the varieties.

This paper is a descriptive study of numerals of Korava speech variety. This paper has shown the several unique features of Korava. Korava and Yerukala speech varieties are examined to describe similarities and differences between both the speech varieties.

Keywords: Numerals, Korava, Comparative study, Dravidian Linguistics

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#### **INTRODUCTION:**

Tribes by name Korava, Korama, Koracha, Koraga, Korra are found in different places of South India. Korava, Korama and Korra are considered under Yerukula tribe. They are known as Yrukula in Andhra Pradesh and Telangana. The studies have explained that the language used by both Yerukula and Korava is one and the same. However, the studies have collected data from Yerukulas of Andhra Pradesh, but not from Korava of Karnataka. Koravas are very much attached to the Kannada language and the society for several centuries. Hence, there is a need to study the Korava community independently.

The Korava variety was initially considered as a polyglot of Tamil and in recent studies it is explained as a dialect of Telugu. This speech community has sub-sects as *Urakorra* and *Kunchi-korra* according to their living places. Though we find similarities among Korava and Yerukala in broader level but the comparative study of the speech variety can shed light on the same. This study would contribute to understand the tribe's speech variety and the structure of the same. The comparative study of Korava and Yerukala would further support the understanding of comparative Dravidian.

#### **Present Paper**

This paper attempts to study the Korava numerals comparatively. The numerals of the Korava are introduced and analysed structurally. And later, the Korava numerals are compared with Yerukala, with which the Korava is said to be attached. The paper shows the difference between each other in numerals. Further Korava numerals are compared with other Dravidian languages.

Numerals are considered as basic vocabulary in a language, which can form the core domain of a language. Study of the numerals can help us to understand the affinity of a language or a speech variety in the group or in the family. As mentioned above, Korava is said to be another name for the Yerukula. Yerukala is a dialect of Telugu. However, it is very interesting to note that the speech variety Korava differs with that of Yerukala in various forms. They also differ in numerals. Interestingly, they differ not only in the forms but also in structure and in the case of ordinals. Korava does not have ordinals, whereas Yerukala and Telugu have. www.TLHjournal.com

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### Korava nume rals:

Korava numerals are listed here.

Sl.no	Korava	English
1	Ondu	One
2	Rendu	Two
3	Mudu	Three
4	nAl	Four
5	Anju	Five
6	Ar	Six
7	Ogu	Seven
8	Attu	Eight
9	Ombidi	Nine
10	Pottu	Ten
11	Podunendu	Eleven
12	Pannendu	Twelve
13	Padamudu	Thirteen
14	padanAl	Fourteen
15	Padnanju	Fifteen
16	padAru	Sixteen
17	Padanogu	Seventeen
18	Padnattu	Eighteen
19	Padanombidi	Nineteen
20	Irdi	Twenty
21	Irvattondu	Twenty one
22	Irvatrondu	Twenty two
23	irvat mudu	Twenty three

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24	irvat nAlu	Twenty four
25	irvat tanju	Twenty five
26	irvat Aru	Twenty six
27	irvat Ogu	Twenty seven
28	Irvattottu	Twenty eight
29	Irvattombidi	Twenty nine
30	Mudarkattu	Thirty
31	mudarkattu ondu	Thirty one
32	mudarkattu rondu	Thirty two
33	mudarkattu mudu	Thirty three
34	mudarkattu nAlu	Thirty four
35	mudarkattu anju	Thirty five
36	mudarkattu Aru	Thirty six
37	mudarkattu Ogu	Thirty seven
38	mudarkattu attu	Thirty eight
39	mudarkattu ombidi	Thirty nine
40	Naldrakapattu	Forty
50	Aimpatu	Fifty
60	a <u>r</u> upatu	Sixty
70	e <u>l</u> upatu	Seventy
80	eņpatu	Eighty
90	to <u>nn</u> ū <u>r</u> u	Ninety
100	nū <u>r</u> u	One Hundred
1,000	Āyiram	One Thousand
100,000	nūraiyiram lactam	One lakh
1,00,00,000	tollun nikarputam	Crore

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As Dravidian has decimal system, Korava also features the same system having numerals in multiple of tens.

### Structures of numerals:

Among these numerals, the form of seven needs special attention. Korava has the form Ogu for seven. Ogu is not found in Dravidian languages except Kui, which is a Central Dravidian language. It is interesting that Korava shares a common term with a Central Dravidian language.

Numerals from one to eight are forms and the nine is a structure in all languages of the Dravidian. Further, ten is also a form. The structure of the numeral nine is shown here.

Nine = *on+bidi=ombidi* One+ten=nine

The semantics of the form would be

Nine = on-bidi=ombidi

One-ten=nine

The structure of numerals from eleven onwards is shown in the next table. The structure of the numerals from eleven onwards in Dravidian is like this,

Ten + one = eleven

Ten + two = twelve etc.

The structure of Korava numerals:-

Eleven =	podunendu	podun + endu
Twelve=	pannendu	pan + endu
Thirteen=	padamudu	pada + mudu
Fourteen=	padanAl	pada = nAl
Fifteen =	padnanju	padn + anju
Sixteen=	padAru	pada + Aru
Seventeen=	padanogu	padan + ogu
Eighteen=	padnattu	padn +attu
Nineteen=	padanombidi	padan + ombidi

Various adjective forms of the numeral ten are found in the structure of numerals from eleven to nineteen. There are five forms which are listed below.

*podun* for eleven (*podunendu* = *podun* + *endu*) *pan* for twelve (*pannendu* = pan + endu) *pada* for thirteen (*padamudu* = *pada* + *mudu*), fourteen (*padanAl* = *pada* + *nAl*) and for sixteen (padAru = pada + Aru)*padn* for fifteen (padnanju = padn + anju) and eighteen (padnattu = Padn + attu)



And

**padan** for seventeen (padanogu = padan + ogu) and nineteen (padanombidi = padan + ombidi).

As the numeral *nine* is a structure, the structure *nineteen* would be interested to understand, as it includes three forms, which literally shows the structure that ten + one + ten. The structure of the nineteen is shown here.

padanombidi padan + ombidi

Ten + nine

As the term nine is a structure, the structure of the term nineteen can be shown as,

padan + on + biditen + one + ten

The semantics of the term nineteen would be

 $padanombidi \qquad padan + ombidi$ ten + ninepadan + on - bidiTen + one - ten

The structure of numerals like *twenty*, *thirty* till *eighty* is like two + ten, three + ten etc. which is shown below.

Twenty	irdi	ir + di
Thirty	muppatu	mu + pattu
Forty	nā <u>r</u> patu	nā <u>r</u> + patu
Fifty	aimpatu	aim + patu
Sixty	a <u>r</u> upatu	a <u>r</u> u + patu
Seventy	e <u>l</u> upatu	e <u>l</u> u + patu
Eighty	eņpatu	eņ + patu

The adjective forms of numerals which are used in the structure of twenty, thirty etc. are shown below.

	Numeral	Adjective
Two	rendu	ir
Three	mudu	ти
Four	nAl	nā <u>r</u>
Five	anju	aim

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Six	Ar	a <u>r</u> u
Seven	Ogu	e <u>l</u> u
Eight	attu	еņ

One can notice the difference between numeral and their adjectives in the case of seven and eight. The form of seven is Ogu, and the adjective of the same is elu, and the form of eight is *attu*, and its adjective is *en*. As it is mentioned earlier the form of seven Oga is found in Kui which is close cognate of Ogu of Korava. The adjective form of seven elu of Korava is found in other languages like Kannada and Tamil as a form of numeral seven. The form of eight that is *attu* has adjective form like *en*, which is commonly found in other Dravidian languages. The initial vowel seems to be changed 'e' to 'a' which led to the change of *en* > *attu*. The development may be understood as shown below,

en > ett > att > attu

Hence, the form of numeral is changed and the adjective form is retained in Korava.

The structure of numerals from twenty one onwards is discussed in this part. Numerals from twenty one onwards have a common structure in most of Dravidian languages. The form of twenty, thirty will remain and the possessive form will be added to get the numerals one, two etc. examples for these are given from Kannada:

ippattu+ondu ippattu+eradu ippattu+muru ippattu+nalaku

However, it is very interesting that Korava has a common structure for numerals from twenty one to twenty nine and it has different structure for next numerals. Both the structures are shown here. At first structure of terms between twenty one and twenty nine are shown and other terms are shown next.

Twenty	irdi	<i>ir+di</i>
Twenty one	irvattondu	irvat+ondu
Twenty two	irvatrondu	irvat+rendu
Twenty three	irvatmudu	irvat+mudu
Twenty four	irvatnAlu	irvat+nAlu
Twenty five	irvattanju	irvat+anju
Twenty six	irvattAru	irvat+Aru
Twenty seven	irvatOgu	irvat+Ogu
Twenty eight	irvattottu	irvat+attu
Twenty nine	irvattombidi	irvat+ombidi

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The numeral twenty has an adjective *irvat*-, which is similar to Kannada form *ippat*-. The earlier form of twenty in Kannada is *irpattu*, and adjective is *irvat*- which seems to be a same form that Korava has.

This is a common structure in Dravidian languages till ninety nine. However the numerals in Korava from thirty one onwards have different structure. The structure is shown below.

Thirty	mudarkattu	mud + ark + attu
Thirty one	mudarkattu ondu	mud+ark+attu+ondu
Thirty two	mudarkattu rondu	mud+ark+attu+rendu
Thirty three	mudarkattu mudu	mud+ark+attu+mudu
Thirty four	mudarkattu nAlu	mud+ark+attu+nAlu
Thirty five	mudarkattu anju	mud+ark+attu+anju
Thirty six	mudarkattu Aru	mud+ark+attu+Aru
Thirty seven	mudarkattu Ogu	mud+ark+attu+Ogu
Thirty eight	mudarkattu attu	mud+ark+attu+attu
Thirty nine	mudarkattu ombidi	mud+ark+attu+ombidi

As it is mentioned above the numerals twenty, thirty etc. take a possessive form to take numerals one, two etc to form the numerals twenty one, twenty two etc. respectively in Dravidian. However, Korava shows a form –ark- in the place of possessive form. This form is unique in Dravidian languages, it is not found in any language of the family. It needs a special attention. Korava stands different not only with the Yerukala in this regard, but also with most of all Dravidian languages.

### The comparative view of Korava numerals:

The Korava numerals are compared with the Yerukala Numerals. Numerals from both the speech varieties are given in the below table. Numerals from eleven to ninety are shown at first and further numerals are discussed later as their structure is different.

Sl.no	Yerukala	Korava	English
1	uņḍu/oņḍu	ondu	One
2	reņḍu/roņḍu	rendu	Two
3	mūḍu	mudu	Three
4	Nālu	nAl	Four
5	Anju	anju	Five
6	Āru	Ar	Six



7	Ōgu	Ogu	Seven
8	Eţţu	attu	Eight
9	Ombedu	ombidi	Nine
10	Pottu	pottu	Ten
11	padaheņḍ	podunendu	Eleven
12	panneņḍu	pannendu	Twelve
13	padimūḍu	padamudu	Thirteen
14	Padinālu	padanAl	Fourteen
15	Podinaydu	padnanju	Fifteen
16	Podināru	padAru	Sixteen
17	Podinōgu	padanogu	Seventeen
18	Podinoţţu	padnattu	Eighteen
19	Pottombedu	padanombidi	Nineteen
20	Iravay	irdi	Twenty
21	iravay uņḍu/oṇḍu	irvattondu	Twenty one
22	iravay reņḍu/roņḍu	irvatrondu	Twenty two
23	iravay mūḍu	irvat mudu	Twenty three
24	iravay nālu	irvat nAlu	Twenty four
25	iravay anju	irvat tanju	Twenty five
26	iravay āru	irvat Aru	Twenty six
27	iravay ōgu	irvat Ogu	Twenty seven
28	iravay eţţu	irvattottu	Twenty eight
29	iravay ombedu	irvattombidi	Twenty nine
30	Миррау	mudarkattu	Thirty
31	muppay uŋḍu/oŋḍu	mudarkattu ondu	Thirty one
32	muppay reņḍu/roņḍu	mudarkattu rondu	Thirty two
33	muppay mūḍu	mudarkattu mudu	Thirty three



34			Thirtee forces
34	nuppay Nālu	mudarkattu nAlu	Thirty four
35	muppay anju	mudarkattu anju	Thirty five
36	muppay Āru	mudarkattu Aru	Thirty six
37	muppay Ōgu	mudarkattu Ogu	Thirty seven
38	muppay Eţţu	mudarkattu attu	Thirty eight
39	muppay ombedu	mudarkattu ombidi	Thirty nine
40	Nalabay	naldrakapattu	Forty
50	Yābhai	anjrakapattu	Fifty
60	Aravai	Arakapattu	Sixty
70	<i>debbai</i>	Ogarkapattu	Seventy
80	Enabhai	attarkapattu	Eighty
90	Tombhai	Ombidikapattu	Ninety
100	Vanda	nUr	One Hundred
1,000	Veyyi	sAvrA	One Thousand
100,000	lakşa	laksha	One lakh
1,00,00,000	kōți	Koti	Crore

One can notice the differences between Korava and Yerukala in numerals from twenty onwards.

### Numerals of major Dravidian languages with Korava:

The following table gives the comparative picture of numerals of major Dravidian languages with Korava.

Sl.no	Korava	Yerukala	Telugu	Tamil	Kannada
1	ondu	uņḍu/oņḍu	okați	o <u>lr</u> u	Ondu
2	rendu	reņḍu/roņḍu	reṇḍu	ira <u>ņ</u> ţu	eraḍu
3	mudu	mūḍu	mūḍu	mū <u>nr</u> u	mūru
4	nAl	Nālu	nālugu	nā <u>n</u> ku	nālku

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5	anju	Anju	ayidu	Aintu	aydu
6	Ar	Āru	āru	ā <u>r</u> u	āru
7	Ogu	Ōgu	ēḍu	ē <u>l</u> u	ēļu
8	attu	Eţţu	enimidi	ețțu	ēņțu
9	ombidi	Ombedu	tommidi	0 <u>n</u> patu	ombattu
10	pottu	Pottu	padi	Pattu	hattu
11	podunendu	padaheņḍ	padakoṇḍu	pati <u>n</u> o <u>lr</u> u	hannondu
12	pannendu	panneņḍu	panneṇḍu	pa <u>n</u> niranțu	hannēraḍu
13	padamudu	padimūḍu	padamūḍu	pati <u>n</u> mū <u>n</u> ru	hadimūru
14	padanAl	Padinālu	Padhnālugu	pati <u>n</u> ā <u>n</u> ku	hadinālku
15	padnanju	Podinaydu	Padunayidu	pati <u>n</u> aintu	hadinaidu
16	padAru	Podināru	Padahāru	pati <u>n</u> ā <u>r</u> u	hadināaru
17	padanogu	Podinōgu	padihēḍu	pati <u>n</u> ē <u>l</u> u	hadinēļu
18	padnattu	Podinoţţu	padhdhenim idi	pati <u>n</u> ețțu	hadinēņțu
19	padanombidi	Pottombedu	paṅdommidi	patto <u>n</u> patu	hattombattu
20	irdi	Iravay	Iravai	Irupatu	ippattu
21	irvattondu	iravay uņḍu/oņḍu	iravai okați	irupatti o <u>nr</u> u	Ippattondu
22	irvatrondu	iravay reņḍu/roņḍu	iravai reņdu	irupatti iraņțu	ippattēradu
23	irvat mudu	iravay mūḍu	iravai mūḍu	irupatti mū <u>nr</u> u	Ippatmūru
24	irvat nAlu	iravay nālu	iravai nālugu	irupatti nā <u>n</u> ku	Ippatnālku
25	irvat tanju	iravay anju	iravai ayidu	irupatti aintu	Ippattaidu
26	irvat Aru	iravay āru	iravai āru	irupatti ā <u>r</u> u	Ippattāru
27	irvat Ogu	iravay ōgu	iravai ēḍu	irupatti ē <u>l</u> u	ippattēļu
28	irvattottu	iravay eţţu	iravai	irupatti e <u>ț</u> tu	ippattē <u>ņ</u> țu

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			enimidi		
29	irvattombidi	iravay ombedu	iravai tommidi	irupatti o <u>n</u> patu	Ippattombat tu
30	mudarkattu	Миррау	тирраі	muppatu	Mūvattu
31	mudarkattu ondu	muppay uņḍu/oņḍu	muppai okați	muppatti o <u>lr</u> u	muvattondu
32	mudarkattu rondu	muppay reņḍu/roņḍu	muppai reņḍu	muppatti ira <u>ņ</u> țu	muvattērad u
33	mudarkattu mudu	muppay mūḍu	тирраі тūḍи	muppatti mū <u>n</u> ru	muvatmūru
34	mudarkattu nAlu	nuppay Nālu	muppai nālugu	muppatti nā <u>n</u> ku	mūvatnālku
35	mudarkattu anju	muppay anju	muppai aidu	muppatti aintu	mūvattaidu
36	mudarkattu Aru	muppay Āru	muppai āru	muppatti ā <u>r</u> u	mūvattāaru
37	mudarkattu Ogu	muppay Ōgu	muppai ēḍu	muppatti ē <u>l</u> u	mūvattēļu
38	mudarkattu attu	muppay Eţţu	muppai enimidi	muppatti ețțu	mūvattēņțu
39	mudarkattu ombidi	muppay ombedu	muppai tommidi	muppatti o <u>n</u> patu	mūvattomb attu
40	naldrakapattu	Nalabay	nalabhai	nā <u>r</u> patu	nalavattu
50	anjrakapattu	Yābay	yābhai	Aimpatu	aivattu
60	Arakapattu	Aravay	aravai	a <u>r</u> upatu	aruvattu
70	Ogarkapattu	ḍabbay	<i>debbai</i>	e <u>l</u> upatu	ēppattu
80	attarkapattu	Enbay	enabhai	eņpatu	ēmbattu
90	Ombidikapattu		tombhai	to <u>nn</u> ū <u>r</u> u	tombattu
100	nUr	Nūru	vanda	nū <u>r</u> u	กนิru
1,000	sAvrA	Ey	Veyyi	Āyiram	sāvira
100,000	laksha		lakşa	nūraiyiram laţcam	ondu lakSha
1,00,00,	Koti		kōți	tollun	kōți

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#### **Ordinals and Cardinals:**

Another important issue is that the ordinals, which are found in most of the Dravidian languages are absent in Korava. It is most important that ordinal system is said to be borrowed from Sanskrit, it is not original to the Dravidian. It is said that ordinals are developed in Dravidian languages due to language convergence (Subramoniam, 2015.26). The Yerukala has ordinals but the ordinals are absent in Korava, which is the feature of Proto-Dravidian.

#### Conclusion:

This paper has attempted to study the Korava numerals. The structural analysis of Korava numerals and the comparative analysis with Yerukala is made in this paper. The paper has shown several important features of Korava, which are great hep in understanding the affinity of this speech variety.

- Korava numerals show phonological changes in terms with Yerukala
- Korava has a form *ogu* 'seven' which is similar to Central Dravidian language Kui.
- Korava has a different structure in terms from thirty one onwards
- Korava does not show the ordinals system. It is retaining the Proto-Dravidian system, whereas most of other languages have adopted the borrowed ordinal system.
- Korava also shows several difference with other major Dravidian languages like Telugu, Tamil and Kannada

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