The Presence of the Causative Morpheme –issi- in Shakkinoono and –ičči - in Kafinoonoo in Terms of Language Contact

Tolemariam Fufa*

Abstract: In this article I shall show that the causative morpheme –issi- in Shakkinoono and –ičči- in Kafinoonoo are borrowed from Oromo. Further I shall show that the morpheme –ičči- is the same as the morpheme –issi-. The paper is divided into four sections. The first section introduces geographical area, language contacts, language affiliations, and attitudes of the speakers of the two languages. The second section discusses the basic and the borrowed causative markings of Shakkinoono and Kafinoonoo. The third section argues that the morpheme –ičči- is the same as –issi-. The fourth section compares the causative markings of neighboring languages and gives conclusion.

Introduction

According to the 1994 population and housing census the total number of Shakkinoono and Kafinoonoo speakers is 725, 086. Shakkinoono and Kafinoonoo are spoken in the state of Southern Nations, Nationalities and Peoples’ (SNNP) regional state which is situated in the southern part of Ethiopia. Shakka zone, the zone where Shakkinoono is spoken as a mother tongue, is bordered by Oromiya regional state in the North, North-East and North West, by Bench in South, by Majang in South and North West, by Kafa zone in the East and South-East. Two additional languages with similar names, namely Shakko and Sheko are spoken in the Shakka zone. Shakko speakers reside to the West of Shekka near to the town of Geeč’a. Sheko speakers reside to South-West of Shakkinoono speakers. Concerning their zonal administrative region Sheko speakers are divided into two places; those who live in and around Tepi town in Shekka zone; and those who live in and around Sheko town in Bench-Maji zone. Sheko is an Omotic language which

* Assistant Professor, Department of Afan Oromo Language, Literature and Folklore, Addis Ababa University

1 The following sounds are used: č, voiceless palatal affricate; Š, voiceless palatal fricative; t’, dental ejective; k’, velar ejective;

2Shakko is referred as Shabo in the literatures; yet, people of the surrounding area do not understand Shabo but Shakko.
is quite different from Shakkinoonoo. Shakko is also a different language from Shakkinoonoo; its family is not settled yet. Kafinoonoo is bordered by Oromo in the North, Me’en and Benchmoon in the south, Shakkinoonoo in the West, Konta in the East and Nayi in the South-East.

Both Shakkinoonoo and Kafinoonoo enjoy extended contact with Oromo speakers. Shakkichos and Kafichos developed positive attitude towards Oromos. Shakkichos and Kafichos are allowed to marry Oromos. There is also intermarriage between Kullos*\(^3\) and Kafichos. Shakkichos and Kafichos look down up on Bench, Shako, Shakko, and Majang which are the minorities and the segregated nationalities. Many Shakkichos are bilinguals; they are fluent in Oromo. I have not come across a Shakkicho who does not understand Oromo. All my informants of Shakkicho are fluent in Oromo. There are also some Kafichos who are fluent in Oromo. One of my Kaficho informant is fluent in Oromo while the other is fluent in Kullo*. I have not come across any Shakkicho who speaks either Sheko or Shakko even though many Shekos and all Shakkos live in Shakka zone. I came across Kafas who speak both Shakkinoonoo and Kafinoonoo. The following table shows affiliations, places and names of Shakkinoonoo, Shakko, Sheko and Kafinoonoo.

### Table 1: Neighboring languages and their affiliations

<table>
<thead>
<tr>
<th>Language Name</th>
<th>Affiliation</th>
<th>Zone</th>
<th>People</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shakkinoonoo</td>
<td>Kefa language</td>
<td>Shakka</td>
<td>Shakkicho, Shekki</td>
</tr>
<tr>
<td>Sheko</td>
<td>Maji</td>
<td>Shakka, Bench-Maji</td>
<td>Sheko</td>
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<tr>
<td>Shakko(Shabo)</td>
<td>Not known</td>
<td>Shakka</td>
<td>?</td>
</tr>
<tr>
<td>Kafinoonoo</td>
<td>Kefa language</td>
<td>Kafa</td>
<td>Kaficho</td>
</tr>
</tbody>
</table>

Shakkinoonoo and Kafinoonoo are believed to be dialects (see Leslau, 1958; Lange, 1982; Taddese, 1999). I observed that Shakkinoonoo and Kafinoonoo are mutually intelligible languages. They have many words in common. Their derivational morphemes are similar. They have the same word order. Similar phonological

\(^3\) The name Kullo is derogative. Now days the name Konta includes the name Kullo; yet linguistically there are differences between Kullo and Konta. For this reason I use both names in this paper.
processes are observed in both Shakkinoonoo and Kafinoonoo. These languages show the same system of case assignment but differ in their agreement elements. They also share similar phonemic inventory except that the fricative sound /s/ is not found in Kafinoonoo (see Taddese, 1999). Yet Shakkichos and Kafichos believe that they speak different languages. They do not agree if Shakkichos and Kafichos might prepare common teaching material. Kafichos have already prepared their own teaching material using Latin script. Although Shakkichos have a plan to prepare their own teaching material using Latin script, currently they are using Sabean script and Amharic is employed as a medium of instruction.

The Causative in Shakkinoonoo and Kafinoonoo

The Causative Marking –i-

The basic causative marking in Kafinoonoo and Shakkinoonoo is the morpheme –i-. This morpheme is productively suffixed to all types of verb stems. In general, there are two types of verbs in Shakkinoonoo and Kafinoonoo which form opposition to the causative verbs: verbs with final –i- and verbs with final –a/-e-. Both types of non-causative verbs productively form their causative verb counterparts by the suffixation of the causative marking –i-. Let us observe some instances where the –a/-e- non-causative form contrasts to the –i- causative form as in (1-4):
1a. áró  tôkkár-à-yè (S)\(^4\)
   he    sleep-MID-3MSS
   ‘He slept.’

1b. áró  náámi-n tôkkár-i-hè (S)
   he  boy-ACC  sleep-V-3MSS
   ‘He made a boy sleep.’

2a. aro  tokkar-e-te (K)\(^5\)
   he  sleep-MID-3MSS
   ‘He slept.’

2b. aro  bušoo-n tokkar-i-te (K)
   he  boy-ACC  sleep-V-3MSS\(^6\)
   ‘He made a boy sleep.’

3a. máhóó békk-à-yè (S)
   tiger  appear-MID-3MSS
   ‘A tiger is seen.’

3b. áró  máhóó-n békk-i-hè (S)
   he  tiger-ACC  appear-V-3MSS
   ‘He saw a tiger.’

4a. mahoo bekk-e-te (K)
   tiger  appear-MID-3MSS
   ‘A tiger is seen.’

4b. aro  mahoo-n bekk-i-te (K)
   he  tiger-ACC  appear-V-3MSS
   ‘He saw a tiger.’

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\(^4\) (S) indicates Shakkinoonoo.
\(^5\) (K) indicates Kafruitoo.
\(^6\) The following abbreviations are used: MID, the middle; 3MSS, third person masculine singular; V, verbalizer and causative morpheme, ACC, accusative; DAT, dative; 3PS, third person plural; INS, instrument case; CAUS, causative.
Instances given in (1) and (3) show Shakkinoonoo non-causative and causative contrasts while the ones given in (2) and (4) show Kafinoonoo non-causative and causative contrasts. (1a) and (3a) are examples of intransitive structures. In these structures the non-causative verbs are marked by the morpheme –a-. These verbs are associated with only one external arguments each. In both cases the external arguments are the agents of the corresponding structures. The same case is repeated in (2a) and (4a). The difference is that in Shakkinoonoo the non-causative verb is marked by the morpheme –a- whereas in Kafinoonoo the morpheme –e⁷- is used. In both Shakkinoonoo and Kafinoonoo the causative verbs are formed by replacing the non-causative morpheme –a/-e- by the causative morpheme –i- as shown in (1b), (2b), (3b) and (4b). In all cases the causative verbs are associated with two arguments, the causer and the causee.

If the non-causative verb is formed by the morpheme –i-, then the causative verb is formed by simply adding one more –i- to the non-causative base as shown below:

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⁷ In the Bonga dialect of Kafinoonoo the morpheme –e- is used but in the Geesha dialect the morpheme –a- is employed. In this paper I use only the morpheme –e-. 
5a. áró dáháró-n wit’-i-yè (S)
he lion-ACC kill-V-3MSS
‘He killed a lion.’

5b. ūnūnūi dáháró-n áró-n wit’-i-i-hètè (S)
they he-ACC lion-ACC kill-V-V-3PS
‘They made him kill a lion.’

6a. aro daharo-n wit’-i-te (K)
he lion-ACC kill-V-3MSS
‘He killed a lion.’

6b. bonoši aro-n daharo-n wit’-i-i-teete (K)
they he-ACC lion-ACC kill-V-V-3PS
‘They made him kill a lion.’

7a. áró bágó-n kém-i-yè (S)
he sheep-ACC buy-V-3MSS
‘He bought a sheep.’

7b. áró bágó-n ná? ô-nàà kém-i-i-hè (S)
he sheep-ACC boy-INS buy-V-V-3MSS
‘He had a sheep sold by a boy.’

8a. aro bago-n kem-i-te (K)
he sheep-ACC buy-V-3MSS
‘He bought a sheep.’

8b. aro bago-n bušo-naa kem-i-i-te (K)
he sheep-ACC boy-INS buy-V-V-3MSS
‘He had a sheep sold by a boy.’
(5a), (6a), (7a) and (8a) are instances of transitive verbs. These verbs have the morpheme –i- as attached to the corresponding verb stems. Each of these transitive verbs are associated with two arguments, agents and patients. But, instances shown in (5b), (6b), (7b) and (8b) are causative structures. Causative verbs of these structures are derived from transitive verbs by suffixing the causative morpheme –i- to the corresponding transitive verb stems. In the causative structures three arguments appear: the causer, the causee, which is expressed as oblique noun phrase, and the direct object.

A different instance of morphophonological feature of the causative morpheme –i- is that it is accompanied by change of quality of root final consonants. The most common change of quality of root final vowel is palatalization. Some bilabial, dental and palatal sounds are changed into the palatal sound /č/ when the morpheme –i- is suffixed to the verb root to derive the causative verb. For instance, the phoneme /t'/ is changed into /č/ in the following causative structures:

9a. mákínó néél'-à-yè (S)  
car stop-MID-3MSS  
'A car stopped.'

9b. makiino neet'-e-te (K)  
car stop-MID-3MSS  
'A car stopped.'

10a. áró mákínó-n nééčč-i-yè (S)  
he car-ACC stop-V-3MSS  
'He made a car stop.'

10b. aro makiino-n neečč-i-te (K)  
he car-ACC stop-V-3MSS  
'He made a car stop.'
(9a) and (9b) show intransitive structures. In these structures the non-causative verbs are marked by the morpheme –a- and –e- in Shakkinoonoo and Kafinoonoo respectively. The causative structures shown in (10a) and (10b) have two arguments each, the causer and the patient. The causative verbs are formed by replacing the non-causative morpheme –a-/–e- by the causative marking –i-. But the suffixation of the causative marking changes the quality of verb root final consonant /t/ into ‘č’.

Other verbs such as kîm-m-i-yè ‘to cross’, kâičč-i-yè ‘to make cross’ (S); gâbîn-n-i-yè ‘be wide’, gâbicîč-i-yè ‘to make wide’ (S); gamîn-n-i-te ‘be wide’, gamîčč-i-te ‘to make wide’ (K); kâtîn-n-i-yè ‘be approach’, kâičč-i-yè ‘to make approach’ (S); kâtîn-n-i-te ‘to approach’, kâičč-i-te ‘to make approach’ (K); are included here.

The Causative Marking –issi- and –ičči-

In some cases, the morpheme –issi- in Shakkinoonoo and the morpheme -ičči- in Kafinoonoo are used as causative morphemes. The morpheme –issi- is relatively productive while the morpheme -ičči- is less so. The morpheme –issi- could be optionally suffixed to many verbs but the morpheme -ičči- has a rare distribution.

11a. árō máhóó-n békk-i-hè (S)
    he tiger-ACC appear-V-3MSS
    'He saw a tiger.'

11b. árō máhóó-n békk-issi-yè (S)
    he tiger-ACC appear-V-3MSS
    'He saw a tiger.'

12a. aro mahoo-n bekk-i-te (K)
    he tiger-ACC appear-V-3MSS
    'He saw a tiger.'

12b. *aro mahoo-n bekk-ičči-te (K)
    he tiger-ACC appear-V-3MSS
    'He saw a tiger.'
As shown in (11a) and (11b) Shakkinoonoo expresses the same causative concept into two different ways. In (11a) the causative verb is marked by the common causative morpheme –i- while in (11b) the causative verb is marked by the morpheme –issi-. But, unlike Shakkinoonoo, Kafinoonoo expresses the same concept of causation in only one way; the causative verb is only marked by the causative morpheme –i-, the morpheme -ičči- is not permitted in this particular instance.

In the following instances, however, Shakkinoonoo must employ only the causative marking –issi- while Kafinoonoo must use only the morpheme –i-:

13a. áró šút'ó-n gédír-issi-yè(S)
    he stone-ACC roll-CAUS-3MSS
    'He rolled a stone.'

13b. *áró šút'ó-n gédír-yè(S)
    he stone-ACC roll-V-3MSS
    'He rolled a stone.'

14a. aro šut'o-n gedar-i-te (K)
    he stone-ACC roll-V-3MSS
    'He rolled a stone.'

14b. *aro šut'o-n gedar-ičči-te (K)
    he stone-ACC roll-CAUS-3MSS
    'He rolled a stone.'

As shown in (13a) Shakkinoonoo derives the causative verb by the morpheme –issi-, not by the common causative marking –i- as shown from ungrammatical structure of (12b). Unlike Shakkinoonoo, Kafinoonoo derives the causative verb by the morpheme –i-, not by the morpheme -ičči- in this particular instance. Similarly, the causative morpheme –issi- is suffixed to the verb root bált- ‘forget’ to derive the causative verb bált-issì-hànè ‘she forgot’ in Shakkinoonoo; whereas Kafinoonoo uses the morpheme –i- as in bált-i-te ‘he forgot’.
But in the following instances both Shakkinoonoo and Kafinoonoo show similar distribution with regard to the morpheme –issi- and -ičči-.

15a. áró máčó-n šáww-issi-yè (S)
    he   food-ACC  taste good-CAUS-3MSS  
    'He made food delicious.'

15b. aro mayo-n šáww-ičči-te (K)
    he   food-ACC  taste good-CAUS-3MSS  
    'He made food delicious.'

16a. áró áró-n kék'k'-issi-yè (S)
    he   he-ACC   terrify-CAUS-3MSS  
    'He terrified him.'

16b. aro aro-n kek'k'-ičči-te (K)
    he   he-ACC   terrify-CAUS-3MSS  
    'He terrified him.'

As shown in (15a) and (16a), causative verbs are derived by the morpheme –issi- in Shakkinoonoo. Similarly, in (15b) and (16b) causative verbs are derived by the suffixation of the morpheme -ičči- in Kafinoonoo.

There are also cases where the causative morpheme –issi- and -ičči- are found on some deponent bases as the following instances show:
17a. áró hét’ëssì-ỳè (S)
    he sneez:CAUS-3MSS
    'He sneezed.'

17b. aro het’ëjjì- or hek’k’-ičči—te (K)
    he sneez:CAUS-3MSS
    'He sneezed.'

18a. áró ótìssì-ỳè (S)
    he cough:CAUS-3MSS
    'He coughed.'

18b. aro osìjì- (K)
    he cough:CAUS-3MSS
    'He coughed.'

As shown in (17a) and (18a) the morpheme –issi- is attached to deponent bases *het’t’- ‘to sneeze’ and *ot- ‘to cough’. In Kafinoonoo, as shown in (17b), the form –ijji- or |--ičči- could be attached to a deponent base *het’t’- ‘to sneeze’. But in (18b) it is only –ijji- that is attached to a deponent base *oš- ‘to cough’.

The unproductive causative allomorph -ssi- and -čči - are found in Shakkinoonoo and Kafinoonoo respectively⁹. Both forms are part of deponent bases as shown in the following instances:

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⁸Whenever I come across fossilized verb forms, I do not use morpheme breaks between the root and the causative morpheme.
⁹In these cases it is a matter future research whether –ssi- and –čči- are part of the root or borrowed causative morphemes.
As shown in (19a), (20a) and (21a) the morpheme –ssi- is part of deponent bases of the corresponding verbs ñũssi-, ‘to drink’ kóssi-, ‘to color’ and kássi- ‘to play’. Similarly the morpheme –čči- is found on frozen bases as shown in (19b), (20b) and (21b). As different from the morpheme –issi- and –ičči-, the morpheme –ssi- and –čči- are not simply suffixes because they cannot be detached from the corresponding verb roots. They are part and parcel of deponent bases to suggest that these morphemes got frozen themselves. Because of this reason forms such as ñũssi, ‘he drank’ kóssi, ‘he colored’ and kássi ‘he played’ are acceptable\textsuperscript{10}. Besides a passive form such as ñũssi<γ> à-yê ‘was drunk’ is acceptable while the form

\textsuperscript{10} Proper causative verbs never end with –i-; they must add the agreement element –ye. Yet, intransitive or transitive verbs can be –i- final verbs only in Shakkinoonoo.
*ʔ ú<\textless y>à-ëè is not. This means that the form –ssi- does not alternate with the passive morpheme –i<\textless y>à- simply because the morpheme –ssi- got fossilized. The same is true with the morpheme –čči -. For instance, ʔ učč-e-te is the passive form of ʔ učči-te ‘he drank’; the morpheme –čči - does not alternate with the passive morpheme –e-. It is only the morpheme –i- that alternates with the passive morpheme –e-.

**Is the Morpheme -ičči - the Same as –issi-?**

As compared to the morpheme –i-, the causative morpheme –issi- is less acceptable in Shakkinoonoo; and the morpheme -ičči- is much less acceptable in Kafinoonoo. This case suggests that the morpheme –issi- and -ičči- are borrowed from neighboring languages.

In fact the morpheme –issi- in Shakkinoonoo is realized as the morpheme -ičči- in Kafinoonoo. The main reason for such sound change is that there is no sound [s] in Kafinoonoo (see Tadde, 1999:19). The sound /s/ in Shakkinoonoo is replaced by the sound /č/) in Kafinoonoo in all distributions as shown below:

22. áš-ís ‘to a man’ (S)
23. aš-ičč ‘to a man’ (K)
24. bi-wút'-ís ‘(he) to kill’ (S)
25. bi-wut'-očč ‘(he) to kill’ (K)
26. káàsá ‘having played’ (S)
27. Kaačči ‘having played’ (K)
28. kêsá ñëtt-i ‘he is out /lit. he said out’(S)
29. kečč (y)-e-te ‘he is out /lit. he said out’ (K)

As shown in (22), (23), (24) and (25) the postposition –is in Shakkinoonoo is realized as –čč- in Kafinoonoo. In (26) and (27) the /s/ in medial position in Shakkinoonoo is replaced by the sound /č/) in Kafinoonoo. In (23) the morpheme –čč- is preceded by the sound /i/ but in (25) it is preceded by the vowel /o/. In (27) this morpheme is
preceded by the vowel /a/ and followed by the vowel /i/. Generally speaking the change of /s/ to /č/ is motivated by regular correspondence and loan word adaptation.

In fact, as it has been mentioned earlier, there are ample phonological rules that change the quality of verb root final consonants into /č/. Some of these cases are shown in (28-29):

28a. kímm-i-yè ‘he crossed sth.’ (S)
28b. kíičč-i-yè ‘he made sb. to cross sth.’ (S)
29a. kímm-i-te ‘he crossed sth.’ (K)
29b. kimmičč-i-te ‘he made sb. to cross sth.’ (K)
30a. gábbinn-i-yè ‘it became wide’ (S)
30b. gábbičč-i-yè ‘he made sth. wide’ (S)
31a. gamiın-i-te ‘it became wide’ (K)
31b. gamičč-i-te ‘he made sth. wide’ (K)
32a. neête'-à-yè ‘it stopped’ (S)
32b. néeečč-i-yè ‘he made stop sth.’ (S)
33a. neeto'-e-te ‘it stopped’ (K)
33b. neeečč-i-te ‘he made stop sth.’ (K)

(28-33) show the change of the quality of verb root final consonants as a result of causative verb derivation. In (28) the phoneme /m/ is changed into /č/ in Shakkinoonoo while such palatalization is not observed in Kafinoonoo as shown in (29). But (30) through (33) show such palatalization of verb root final consonant is clear in both Shakkinoonoo and Kafinoonoo; the sound /n/ and the sound /t'/ are changed into the sound /č/. In general there are two phonological rules concerning the sound /č/ in Kafinoonoo: phonological rule that is applicable to regular correspondence and borrowed sounds and phonological rule of palatalization that is
applicable to verb root final consonant as the result of the suffixation of the causative marking –i-.

**From Which Language is –issi-/ičči- Borrowed?**

Now the main question is the causative marking –ss-/čč- is borrowed from Oromo or neighboring Omotic languages. In order to know from which language the causative morpheme –issi-/ičči- is borrowed we need to know what kind of causative markings are used in neighboring languages. For this reason I shall give variants of causative morphemes of Oromo, Sheko, *Kullo, Konta and Benchnoon respectively as follows:

**Oromo**

34a. muč’a-n raf-e
    baby-NOM sleep-3MSs
    ‘A baby slept.’

34b. inni muč’a raff-is-e
    he.NOM baby sleep-CAUS-3MSS
    ‘He made a baby sleep.’

35. č’ab-s-/ss- ‘to break’
36. gurač-ess- ‘to make black’

**Sheko** (Hellenthal, 2007: PC)

37. t’er-u-s- ‘to roll’
38. č’or-š- ‘to finish’
39. see-s- ‘to show’

*Kullo*

11 Kullo is derogative and the language is called ‘Konta’ nowadays; yet there is variation between Kullo and Konta which is why I still use the name ‘Kullo’.
40a. ? osey tiil-isi
butter.NOM melt-3MSS
‘Butter melted.’

40b. iza ? oysa tiil-s-aso
she butter.ABS melt-CAUS-3FSS
‘She melted butter.’

Konta

41a. haatsay irt’-eedda
water.NOM cool-3MSS
‘Water cooled.’

41b. hiny haatsaa irt’-is-eedda
he.NOM water.ABS cool-CAUS-3MSS
‘He cooled water.’

Benchnoono (Rapoled, 2006: 286-287)

42a. hàz- ‘to throw’
42b. hàz-ās ‘to cause to throw’

43a. ts’āl ‘to walk, stride’
43b. ts’āy-s ‘[to cause to walk, stride]’

44a. wôt ‘to fall’
44b. wôt-s ‘[to make fall]’

45a. wôt ‘to kill’
45b. wôt’-ās ‘[to make kill]’

46a. šābk’-n ‘to split (int.)’
46b. šābk’-š ‘[to split (tr.)’

Neighboring languages such as Oromo, Sheko, Benchnoon, Kullo* and Konta derive the causative verb by the suffixation of the form –s-. Sheko and Benchnoon
use causative morphemes such as –us- and –as- respectively. These forms are somewhat different from the –issi- form of Shakkinoonoo and Kafinoonoo. Kullo*, Konta and Oromo employ the form –is- which is somewhat similar to the –issi- form since the vowel /i/ precedes the form –s-.

In conclusion, one may argue that –issi- / –ičči-, in Kafanoono and Shakkinoonoo, is a retention of Proto Afro-Asiatic cognate; and that –i- is an innovated form. We argue that –i- is not an innovated form. But even if it were, it is not borrowed because it is not used in neighboring languages as a complete causative marking as such; it could very well be a retention since the vowel –i- is present in other Afro-Asiatic languages in the region. We argue that –issi- / –ičči- is a borrowed form from Oromo (and *Kullo/Konta) because: Oromo is the only neighboring language that employs a geminated form of the causative –s-(see Tolemariam, 2009:12-13). Borrowed words from Oromo strengthen this claim. For instance the verb yébb-á ‘to climb on’ in Shakkinoonoo is yaabb-at- in Oromo. This word has a different form in Kafinoonoo as keč-i-. The verb mááčč-a- ‘to wash’ in Shakkinoonoo is mačč- in Kafinoonoo and mičč’ ē’- in Oromo. The verb bóór-i- ‘become impure’ in Shakkinoonoo is boor-ah- in Oromo but kud-e- in Kafinoonoo. Other possibly borrowed derivational morphemes from Oromo is also observed in Shakkinoonoo. For instance, in Shakkinoonoo verbs such as bóór-át-á ‘became impure’ and k’ann-at-a- ‘to be jealous’ have the middle marking morpheme –at- of Oromo. The verb miit’-am- ‘to be hurt’ in Shakkinoonoo is expressed as miid’-am- in Oromo. This instance shows that the passive marking of Oromo is borrowed by Shakkinoonoo. Kafinoonoo does not have the –at derivation; nor the –am.
References


Hellenthal, A. C. 2007: PC


