

Ntinye ụdangwe dika usoro ndozi hiatus

Si n'aka

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Nnọkọ ụdaume abụọ ma ọ bụ karịa na njejiokwu abụọ dịdobere onwe ha na mmebe okwu ma ọ bụ n'usorookwu ka a kpọrọ hiatus. Anyị nwekwara ike isi na hiatus putara ụdaume iche ọyọ kenkejiokwu abụọ n'igbo. Nke a bụ ọnọdụ a hụtarā n'asụsụ mba ụwa dị iche iche. Site na nchoputa ndị odee na ndị otu nchoputa dị iche iche, o doro anya na ufodị asụsụ mba ụwa na-achọ ihe ha ga-eme iji gbochie ọnọdụ a ebe ndị ọzọ na-ezere ọnọdụ dị etu a ka ọ ghara iputa ihe n'asụsụ ha. Asụsụ Igbo dị ka otu n'ime asụsụ nke a putara ihe na ya na-agbasi mbọ ike ihu na a na-eme ka hiatus ghara idị na-adị ire. Otu ụzọ asụsụ Igbo ji edozi hiatus bụ ntinye. Akwukwọ nchọcha a na-eleba anya ụzọ ụmụafọ maara asụ Igbo nke oma si e tinye mgbochiume n'etiti ụdaume iche ọyọ kenkejiokwu abụọ. A chọputara na mgbochiume a na-etinye ebe ahụ bụ ụdangwe nke nwere ike ibụ ụdayị ma ọ bụ ụdawị. Ihe na-ekpebi ma ntinye a ga-abụ ụdayị ka ọ ga-abụ ụdawị bụ ụdị ụdaume nke mbụ na hiatus ahụ. Ọ bụrụ na ọ bụ ụdaume elu keihu bu ụzọ, a na-etinye ijn, ma ọ bụrụ ụdaume elu keazụ, a na-etinye iwn. Iji mee ka nchọcha a dị mma ma doo anya, e ji atụtụ optimaliti wee rụọ ọrụ. Atụtụ optimaliti gosiri na iwu ndị gbasara iriba ama kacha dị ire karịa iwu ndị ntụkwasi obi. Ya bụ na asụsụ Igbo na-esonyere otụtụ asụsụ mba ụwa agbarụ ihu n'ebe Hiatus dị.

Ọkpụrụkpụ okwu: hiatus, nkejiokwu, ụdangwe, ụdayịi, ụdawịi, atụtụ optimaliti.

Ndubata

Mgbe nwaamaala Igbo maara asụ asụsụ ya nke oma na-ekwu okwu, ọ kachasi n'okwu ọsọ ọsọ, o nwere ike ọ hapu ikpọtacha ụda ụfọdụ dị n'okwu ahụ nke oma. Mgbe nke a metụtara ụdaume, a na-asikarị na e nwere olilo, ma ọ bụ ndapụ ụdaume. A na-enwe olilo ụdaume mgbe mgbe otu ụdaume gbanwere ọdịdị ya ma were ọdịdị ụdaume nọ ya nso. Ụdị olilo atọ putara ihe n'Igbo. Ha bụ olilo nlocha, mmakọ, na ndaputa (Emenanjo 2010). N'aka nke ọzọ, mgbe ụdaume abụọ nọdebera onwe ha na mpkuruokwu abụọ, n'okwu ọsọ ọsọ, e nwere ike iweputu otu ụdaume. Mgbe nke a mere, a na-asi na e nwere ndapụ ụdaume. Mgbe anyị lere anya n'otutu omuma atụ olilo ma ọ bụ ndapụ ụdaume Igbo e deputaraala n'ụfọdụ akwukwọ, otu ihe anyị chọputara bụ na ha na-aputakarị ihe ebe e nwere nkejiokwu abụọ nọ onwe ha nso. Nkejiokwu nke mbụ na-akwusi n'ụdaume ebe nkejiokwu nke abụọ na-amalite n'ụdaume. Mgbe anyị tulere onọdụ a na ihe a na-ahụ n'ụfọdụ asussu mba ụwa, anyị chọputara na otutu asussu mba ụwa anaghị anabata ụdaume abụọ dị iche inọ n'agbata nkejiokwu abụọ. Ụdaolu abụọ na-eyighi onwe ha nọ n'agbata nkejiokwu abụọ ka a kpọrọ Hiatus. Hiatus bụ okwu si n'asussu Latin. Otutu asussu anaghị anabata hiatus. Otutu asussu mba ụwa na-agba mbọ igbochi ma ọ bụ izeere hiatus. Ụzọ ndị e si egbochi ma ọ bụ edozi onọdụ hiatus gunyere ibugharị ụdaume ka ọ banye na nkejiokwu ọzọ (ya bụ nkegharị nkejiokwu), ụdaume mkpi, ntinye mgbochime, ndapụ ụdaume, mmebe ụdangwe, mmakọ ụda dgz.

Asussu Igbo dika asussu otutu mba ụwa ndị ọzọ na-ebu agha emegide hiatus. Anyị ga-atule n'akwukwọ a ma e nwere ike isi na asussu Igbo na-eji ntinye ụdangwe n'etiti nkejiokwu abụọ iji

gbochie hiatus. Nke a ga-apụta ihe ma anyị nwee ike ịza ajuju nchọcha ndị a na-esote:

1. Kedu ka ntinye ụdangwe ga-esi gbochie ọnọdụ hiatus n'asụsụ Igbo?
2. Olee ka atụtụ optimaliti ga-esi gosipụta ndozi hiatus site na ntinye ụdangwe n'asụsụ Igbo?

Ebe e jiri mee nchọcha a bụ ala Igbo n'ihị na ọ bụ n'ala Igbo ka a na-asụkarị asụsụ Igbo. Asụsụ Igbo a gbadoro ụkwụ na ya wee mee nchọcha a bụ asụsụ Igbo Izugbe n'ihị na ọ bụ ya ka e ji akuzi nkuzi, ede edemede, agbasa ozi ma bụrụ asụsụ Igbo onye Igbo ọ bụla na-aghọta ma a sụọ ya. Mkpurụokwu/okwu ndị e jiri mee nchọcha bụ okwu Igbo Izugbe e wekọtara n'akwụkwọ ederede n'ihị na o nweghị mpaghara ala Igbo a ga-asị na ọ bụ ha nwe ma ọ bụ na-asụ Igbo Izugbe. Nke a pụtara n'Igbo Izugbe bụ asụsụ edemede ndị Igbo.

Ntụlegharị agụmagụ

Atụtụ optimaliti

Iji gosipụta nke a ka o doo anya nke ọma, anyị ga-eji atụtụ optimaliti wee nyochaa ya. Atụtụ optimaliti a bụ atụtụ Alan Prince na Paul Smolensky wepụtara n'afọ 1993, nke Prince na McCarthy (1993) mere ka ọ gbasapụ aka. E nwekwara ike iji atụtụ a rụọ ọrụ n'usorookwu na amụmamụ echiche n'agbanyeghị na ebe ndị mmadụ kacha gbado ụkwụ bụ n'amụmamụ mkpuru ụdaasụsụ n'ihị na ọ bụ n'amụmamụ a ka e ji ya rụọ ọrụ mbụ. Prince na Smolensky (1993) na nkọwa ha kwuru na ndịiche dị n'asụsụ gbadoro ụkwụ kpomkwem na etu ha si edozi ọgbaghara dị n'etu ma ọ bụ n'uzọ ha si ahụta ọkọtọ izugbe a n'igbado anya n'usoro ndị a. Ụtọasụsụ asụsụ ọ bụla bụ ụzọ ha si edozi ọgbaghara ndị pụtara ihe n'ọkọtọ izugbe ndị a. Atụtụ a na-atụ anya iga n'ogo dị elu n'ọrụ ịka na ịkọwa

ebumnuche atụtụ ụtọasụsụ. Prince na Smolensky (1993) kwukwara na atụtụ a weputara ụzọ ihe abụọ bụ ebe mgbado ụkwụ. Ha gunyere: 1. Ụtọasụsụ ahụ ga-enwe ‘GEN’ na-arụ ọrụ nke na-eweputara ihe ọ bụla a ga-eji rụ ọrụ nnukwu ohere inwete ihe ndị ha ga-eji rụ ọrụ site n’igosiputa n’onwe ya usoro ndị kacha mkpa. 2. Ọkọtọ ga-abụ ihe izugbe dị nnukwu mkpa, nwekwaa otu ụdị ọdịdị ma nwekwa ikike mgbaghara dị ukwu n’ebe ntụcha dị mma nke oma dị. Omachonu (2007:18) kọwaputara na ụtọasụsụ nke ọ bụla na-edozi ọkọtọ ndị a n’ogogo n’ogogo nke na-edozi ọgbaghara ọ bụla dị n’etiti ha ka ọ laara ọkọtọ nke kacha ibe ya n’ogo. N’uche nke ya, Kager (2004) hụtarara atụtụ optimaliti dika atụtụ e ji atule ma na-enyocha etu asụsụ si arụ ọrụ.

McCarthy na Prince (1993, 1994 & 1995) kọwaputara na atụtụ optimaliti ji usoro ise were arụ ọrụ. Usoro ise ndị a gunyere: izuzugbe, mmebirita iwu, ogogo, nsonyerita, na nnọkọrita. Site n’etu ode ndị ọzọ si hụta atụtụ a, o doro anya na ọ bụ atụtụ a ka mma iji nyochaa amụmamụ ụdaasụsụ n’uju iji mata etu ọkọtọ ndị dị n’asụsụ si dị, iwu na-achị usoro ndoko asụsụ nke ọ bụla na etu na ebe ndoko asụsụ nke ọ bụla si rie mperi site n’imebi usoro iwu na-achị ọkọtọ asụsụ ahụ. A hatarara atụtụ optimaliti dị ka atụtụ nwere ike igbanwe ma ọ bụ inwe mmekọrita n’ebe atụtụ amụmamụ ụdaasụsụ dị (Oyebade 1998).

Ọ dị mkpa ikọwaputa usoro iwu ise a atụtụ optimliti ji arụ ọrụ iji nye aka na nghọta ha.

Izuzugbe: Nke a bụ usoro iwu atụtụ optimaliti na-egosi na ọkọtọ ndị ahụ zuru ụtọasụsụ asụsụ mmadụ onụ. N’izuzugbe, ọkọtọ niile anaghị ahacha nhatanha n’ọrụ ha n’asụsụ niile maka na asụsụ dị iche iche nwere ụzọ dị iche iche ha si edozi ọkọtọ ha n’ogogo n’ogogo. Iji maa atụ, otu ọkọtọ nwere ike iputa ihe n’otu asụsụ ma ọ gaghị aputa ihe n’asụsụ ọzọ.

Mmebirịta iwu: Nke a dị ka Kager (1999) si kwuo putara na okoto na-emebi iwu na-achi asusu kama mmebi iwu a anaghi ebu ibu. Na nkowa ya, okoto anaghi akpacha anya emebi iwu; o ga-enweriri ihe kpata okoto o bua ji mebi iwu. Otu ihe di mkpa o jiri mebie iwu nwere ike ibu ka o ghara imebi iwu nke ka n'ogogo.

Nnokerita: Nke a bu usoro atutu optimaliti na-akowa na okoto kwesiri ntukwasị obi na okoto iriba ama nwere ike inoko n'otu ahiri ma o bu ogo. Nke a putara na okoto niile di n'udi di iche iche nwere ike inokerita n'otu ogogo di ka Kager (2004) siri kwuo.

Ogogo: N'atutu optimaliti, a na-enye ihe o bua e weputara akara etu o si mebi iwu okoto, akara a na-enye ya na-ebido n'efu gawa. Usoro a ka a na-akpo ogogo.

Nsonyerita: Site na nkowa Oyebade (1998), usoro okoto na-enyocha ihe ndi a nabatara na ntughari uche niile banyere odidi di mma.

E jirila atutu optimaliti a wee mee nchocha banyere hiatus nakwa ntinye udangwe kpomkwem. Isiokwu na-esote ga-eleba anya n'ufodu nnyocha gbasara hiatus na ntinye udangwe.

Hiatus na ntinye udangwe

Hiatus dika anyi kowara n'umi na ndubata akwukwo a bu udaume abuo eyighi onwe ha biakotara onu n'agbata nkejiokwu abuo nwere ike ibu mkpurukwu abuo biakotara onu iji mebee otu mkpurukwu, nkebiokwu, nkebiasusu ma o bu ahiriokwu. Hiatus di ire n'asusu mba uwa di iche iche mana ufodu asusu na-agba mbọ iji gbochie ya iputa ihe n'asusu ha, ndi ozọ na-agba mbọ ichọ ụzọ ha ga-esi hazie ma o bu dozie ndi putara ihe n'asusu ha ka ha nwere ike inwe mgbochiume

dabara adaba ga-ekewa ha (Sabao, 2015). Casali (1997), na nkowa ya kwuru na ihe a na-ahuta di ka hiatus bu udaeume abuo diwagara iche ndebere onwe ha na nkejiokwu abuo. O gara n'ihu kwuo na ufodu asusu anaghi anabata hiatus, ebe ndi ozo na-egbochi ihe ufodu ndi ga-eme ka hiatus puta ihe, ma ufodu na-ewere usoro amumamu mkpuru udaasusu edozi mputa hiatus. Kwambehara (2014) kwuru na Tivi na-ekighari nkejiokwu amaliteghi na mgbochiume ma mee ka e nwee udaeume mkpi. Mudzingwa na Kadenge (2011) na nkowa nke ha banyere onodu hiatus n'asusu mba uwa di iche iche kwukwara na ufodu asusu anaghi anabata ya ebe ufodu na-anabata ya nke oma; a na-akpacharakwa anya egbochi ya n'ufodu asusu. Iji nye aka ime ka hiatus a ghara iputa ihe, e weputara ufodu usoro a ga-eji gbochie ya. Uzo di iche iche asusu di iche iche si egosiputa mgbe na etu ha si edozi hiatus mere ka usoro ndozi ndi a puta ihe: nkeghari nkejiokwu, ntinye, olilo udaeume, ndapu udaeume, mkposo, mmako udaeume, mmebe ngwe na mmebe udampki (Myers 1987; Casali 1996; Rosenthal 1997; Mtenje 2007; Sibanda 2009). Site n'usoro ndozi ndi a e deputara ka asusu o bua na-achoghi hiatus si edozi nke ha.

E gosiputara nke a site n'omuma atu (1) na-esote dika o di na Casali (1996:1). Mkpuchi kpom kpom (:) na-egosi na ndapu udaeume, mmebe udayii na mmako udaeume nwere ike inwe mgbatii udaeume dika nnatara asusu a na-enyocha siri di.

1. a. Nkeghari nkejiokwu: CV1+V2 > .CV1.V2.
- b. Mmebe udaeume mkpi: CV1+V2 > .CV1V2.
- ch. Ntinye: CV1+V2 > .CV1.CV2.
- d. ndapu udaeume: CV1+V2 > .CV2(:). or .CV1(:).
- e. Mmebe udangwe: CV1+V2 > .CGV2(:).

f. Mmakọ: CV1+V2 > .CV3(:).

Ntinye ụdangwe (NỤ) dika Hasan na Rasheed (2016) siri kowaa bu otu n'ime iwu amumamu udaasusu na-anabata iwebata mgbochiume n'agbata udaume abuo. Nke a bu usoro udidị uda e ji eme ka mgbochiume na-adibughi n'agbaala nwee ike di n'agbaelu (Zygis, 2010). N'usoro a, a na-etinye ụdangwe udawii, ijn ma o bu iwn n'etiti udaume. ijn na iwn bu uda ndi a na- ahuta dika uda na-abughi udaume nke ha ji abu mgbochiume bu ndi nwere ebe mkpoputa abuo: ebe mkpoputa /j/ bu ime onu na azu onu nke bu iCoronaln na iDorsaln, ma ebe mkpoputa /w/ egbugbere onu na azu onu nke bu iLabialn na iDorsaln (Nevins na Chitoran, 2008). Nevins na Chitoran (2008) gara n'ihu kowaa na ụdangwe di iche n'udaume n'ihu na a na-enwe obere mkpachi mgbe a na-akpoputa udaume, ebe a na-enwekari mkpachi na mkpoputa ụdangwe. Ozo, udaume so emebe isi nkejiokwu ebe ụdangwe esoghi. Uffman (2007) kwenyere na ebe e nwere udaume di iche nodebere onwe ha na nkejiokwu abuo, na uda a na-achokari iji kebie ha bu ụdangwe. O kowara na nke a bu maka na ụdangwe bu naani uda ka yie udaume. Ụdangwe na udaume nwere otu mma ma ewepu naani myiriudaume n'umi nkejiokwu. Gbasara ebe nakwa udi mkpoputa, udaume na ụdangwe yiri.

N'aka nke ozo, otutu asusu mba uwa na-acho ka ezi nkejiokwu malite na mgbochiume (Uffmann, 2007; Molczanow, 2008; Blevins, 2008). N'ihu nke a, a na-eji ụdangwe egbo mkpa iji mgbochiume amalite nkejiokwu . Nke mere na ntinye ụdangwe na-enye udaume nke abuo mgbochiume. O bu eziokwu na e nweghi nkenudi ụdangwe na ntule e meerela. Booij (1996) deputara ndiche di n'etiti ebe mkpoputa ụdangwe ijn na iwn n'asusu Dutch. O kwuru na etu e si amata udi ụdangwe a ga-etinye bu site udaume nke mbu. A na- etinye ijn n'azu udaume elu keihu (2a) ebe iwn na- abanye n'azu udaume elu keazu (2b).

- 2.a- ree-en irejənn̩ (mmebi)
b- boaz ibowas̩n̩ (id).

Uđi ụdangwe ọzọ bụ nke e nwere ike itnye ụdangwe ọ bụla na-agbanyeghi ụdi ụdaume na-eso ya. E nwere ike ikpo nke a ụdangwe na-eyighi n'ebe mkpọputa. N'Uyghur (Vauu, 2001), dika ọmụma atụ, ntinye ụdangwe agbasoghi myiri ebe mkpọputa maka na e tinyere /j/ na- agbanyeghi ụdi ụdaume abụọ nọdabere onwe ha. Lee 3 di ka ọmụma atụ:

- 3.a. ou+al- iouyal-n̩ (inwe ike igu ihe)

- b. islā+al- iislāyāl-n̩ (inwe ike iru ọrụ)

(Hahn, 1991 hụtarā na Vauu, 2001:5).

Na Guajirol (Vauu, 2001), olundị Abajero na-etinye ụdangwe eyighi n'ebe mkpọputa. Ọ na-etinye /w/ na-agbanyeghi ụdi ụdaume di n'okwu dika n'ọmụma atụ 4:

- 4.a. atpanaa+ee+chi atpanaaɪwneechi (ọ ga-abụ oke bekee)

- b. ke+kii+ee+shi kekiiwneeshi (ọ choro inwe (ezi) isi)

(Vauu, 2001: 8)

Udangwe di n'otutu asusu dika Dutch (Booij, 1996); Inhala di na Shona (Zygis, 2010); Persia (Dehghan, 2012) nakwa Bekee Amerika (Davidson & Erker, 2014); n'igu naanị obere n'ime ha. N'asusu ndi a niile, ụdangwe na-aputakarị ihe n'usoro ụdaasusu nke ọnọdu ya na-aputa ihe nke ọma: a na-etinye ijn̩ n'ọnọdu tupu ma ọ bụ ngafe ụdaume ihu ma iwn̩ na-abanye n'ọnọdu tupu ma ọ bụ ngafe ụdaume ala. Ọ na-enyekwa aka igbochi hiatus ma mee ka mgbochime di n'isi nkejiokwu. Zygis (2009), na nyocha usoro ụdaasusu asusu 400 gosiri na a na-enwe ntinye ụda nke mmá ha na-esite na mgbatị ụdame nọ ya nso ma na mkpọputa ya, e nweghi ụda e tinyere. Nke a gosiri

na ọ bụ naanị nnụta mgbanwe ndamụda nke ụdaume nọ nso na-eweta nnụta ụda ọhụrụ. N'iji nwewanye nghọta n'isiokwu a, ọ gara n'ihu ime nchọcha ọnụnụ nke gbadoro ụkwụ na mbugharị mgbanwe ụda iia. Mgbanwe dị n'agbata iin na ian ka agbatiri malite na 50 rue 230 ms niime usoro 30 ms, nke mere na e nwere usoro 7. Oge ole o were n'ikpọputa ian ka kwubara otu ebe. E tinyeere ya site n'obere igwe komputa ma mee ka mmadụ 10 asụsụ ha bụ German, mmadụ atọ ndi Poland, nakwa maadụ atọ ndi Bekee gee. A gwara ndi njime nchọcha ahụ ka ha detue ihe ha nụtara. Ha niile nụtachara ijin n'osisa ha n'oge ngafe di iche iche. N'aka nke ya, Staroverov (2014), tụtutara na ntinye undangwe adighi ire n'usoro ụdaasụ, kama na ọ bụ nrpa a na-enwe mgbe mwebanye otu ụda mụtara mweputa ụda abuo. Ima atụ, mgbe e nwere ụdaume /e+a/, /e/ na-abu /ej/na mweputa. Ihe ndaputa si n'atutu a bụ na mgbakwunye mgbochiume na-rube isi n'iwu nrube isi. Ya bụ na nrpa mwebanye na mweputa, mgbakwunye ụda na-achọ n'uzọ a bula uzọ ka o rubere mwebanye isi. Ya mere na /e/ n'omuma atụ di n'elu ghorọ /ej/ kama igho /ew/ maka na /j/ ka rubeere /e/ isi karija /w/. N'ikpeazu, ọ di mkpa imata ihe di iche n'udayii na mmebe udayii dika ọ di n'asusu ole na ole iji gbochie hiatus. N'asusu Russia (Molczanow, 2008), mmebe udayii ụdaume elu keihu bu ihe e ji egbochi hiatus ebe e nwere #iV, Vi# na ViV . Ima atụ, agbaala /ia/ (ja 'mu') na-abu ija, bu ezi nkejiowu malitere na mgbochiume bu udayii. Molczanow kwuru na mgbanwe ụdaume ka ọ ghorọ udayii putara nkagbu mora nke agbaala, ma ọ ka mma ikagbu mora karija nkejiokwu na- amaliteghi na mgbochiume.

1. Ntinye undangwe n'Igbo

Uzọ ozo putara ihe ndi Igbo si aru oru iji gbochie ụdaume abuo ma ọ bụ karija biakota ma ọ bụ inokota onu na mkpuruokwu, nkebiokwu, nkebiasusu ma ọ bụ ahiriokwu bu site n'iji ntinye undangwe ruo oru n'okwu ahụ. Ntinye undangwe na-enye aka iji dozie usoro ụdaume-iche-oyo kenkejiokwu

abụọ n'asụsụ Igbo. N'asụsụ Igbo, ụdị ụdangwe a na-etinye bụ udayị na ụdawị. Ha bụ mkpọnakpo ijn na mkpọnegbugbere iwn. Ndeputa banyere nke a dị na 5 n'okpuru:

Ntinye mkpọnakpo

Nkebiokwu

- | | | |
|-------|---|-----------------------------------|
| 5. a. | isi + akwụ
ii.si.ja.kwōñ | /isi/ + /akwō/
head palm fruit |
| b. | palm fruit head
asị + ọcha
ja.si.jō.ʃañ | /ası/ + /ɔʃa/
lie white |
| ch. | blunt lie
ntị + ewu
in.ti.je.wuñ | /ntı/ + /ewu/
ear goat |
| d. | goat ear
mpi + ehi
im.pi.je. fiñ | /mpi/ + /ehi/
horn cow |
| e. | cow horn
isi + ọma
ii.si.jō.mañ | /isi/ + /ɔma/
head nice/good |
| | lucky | |

Ahịrịokwu

- | | | |
|----|--|------------------------------|
| f. | Anyị siri asi
ja.ni.si..ii.ja.sñ | /aɲi sɪi asi/
we lied lie |
| g. | we lied
Ada biri ego
ja.da.bi..ii.je.gōñ | /ada biɪi ego/
 |

	Ada borrowed money	
gb.	ha bi ebe a i̱fa.bi.je.be a̱n	/ha bi ebe a/ they live where this
	they live here	

3.2 Ntinye mkp̱onegbugbere

Nkebiokwu

gh.	ukwu + akw̱u i̱u.kwu.wa.kw̱o̱n	/ukwu/ + /akw̱o/ >	
	waist/tree palm fruit	palm fruit tree	
gw.	ukwu + aẕiza i̱u.kwu.wa.ẕi.za̱n	/ukwu/ + /aẕiza/ >	
		bunch broom	
	bunch of broom		
h.	ntu + igwe i̱n.tu.wi.gwe̱n	/ntu/ + /igwe/ >	
		nail iron	
	iron nail		
i.	nkwi̱=̱ + o̱ḵu i̱n.kw̱o.w̱o.ḵu̱n	/nkw̱o/ + /o̱ḵu/ >	
		wine hot	
	hot drink		
i.	o̱no̱du + ugo i̱o.no.do.wu.go̱n	/o̱no̱du/ + /ugo/ >	
		place eagle	
	place of the eagle		
j.	mkp̱uṟu + anya i̱m.kp̱o̱.u̱o.wa.̱na̱n	/mkp̱o̱.u̱o/ + /a̱na/	
		nut(s) eye(s)	
	eyeball		

Aẖiṟiokwu

b. ONSET: Nkejiokwu o bula ga-amaliteriri na mgbochiume (Itô, 1989; Prince and Smolensky, 1993)

c. PARSEiF'n: Chekwaa mmajF'n mwebanye na mweputa ya (Casali, 1996, 1997; Tanner, 2007).

d. IDENTi±highn: mwebanye na mweputa ga-eyi onwe ha na mma i+highn na/ma o bu i-highn (Sabao, 2009).

e. DEP-IO(C): Ntinye ga-adị na mwebanye nakwa mweputa ga-aburiri mgbochiume (Archaengeli na Langendoen, 1997).

Ihe nrịba ama ndi a ga-eji lebara 'tableau' ntucha a anya bu ndi a

- 7a. □ na-egosi okaike. Ya bu olec kacha mma
- b. * na-egosi mmebi/ida iwu
- c. *! na-egosi oke mmebi/ida iwu, ya bu mwepu kpankpan

Dika usoro ndozi hiatus, a na-enwe ntinye ma o buru na ogoogo iwu ONSET karia DEP-IO. Ka anyi ziputa nke a site na tableau 1-2 na-esote. Okoto iwu ndi ahụ di na 6 bu 7.

7. *HIATUS, ONSET>>DEP-IO(C)

Omuma atụ di na 7 na-akowa na iwu *HIATUS na ONSET ka n'ogogo kari DEP-IO(C). Nke a putara nrube isi nye *HIATUS na ONSET ka mkpa karia nrube isi nye DEP-IO(C). Ya bu na mkpopta okwu Igbo na-agbalisi ike ihu na e nweghi udaume di iche kwusiri nkejiokwu ka udaume dikwazi iche mebere nkejiokwu na-eso ya. Mgbe e nwere onodu di otu a, nkejiokwu nke abuo ahụ na-enupuru *HIATUS isi. Ozo, usoro ezi mmebe nkejiokwu kwadoro ka ezi nkejiokwu na-amalite na mgbochiume bu iwu ONSET. Udaume nke abuo na-enweghi mgbochiume na mmalite nkejiokwu ahụ dakwara iwu a.

Nkọwa ndị a ga-apụtakarị ihe ma anyị hazie iwu ndi a na tableau 1 na 2 na-esote:

Tableau 1: ntinye ụdangwe ijn

/m.kpɔ.ɪo.o.kwu/	* H I A T U S	O N S E T	PA RS E F'n	IDE ±hi
a. m.kpɔ.ɪo.o.kwu	*!	*		
b. m.kpɔ.ɪo.o.kwu		* !	*	*
ch. □m.kpɔ.ɪo. wo.kwu				
d. m.kpɔ.ɪo.kwu			*!	*

Site na tabul 1 ahụ dī n'elu, anyị ga-achoputa na olee (a) dara iwu **HIATUS* nakwa *ONSET* bụ ndi ka DEP-IO(C) n'ogoogo. m.kpɔ.ɪo.o.kwu dara iwu **HIATUS* maka na nkejiokwu abụọ a-ɪo-o- bụ ụdaume abụọ dī iche iche n'agbata nkejiokwu abụọ bụ nke hiatus na-asọ nsọ. N'aka nke ozo, *ONSET* na-achọ ka nkejiokwu ọ bula malite na mgbochiume, ma olee (a) dakwara iwu a. Oḍida iwu abụọ a mere o jiri nweta akara *! na * n'iwu abụọ ndi ahụ. Akara *! na-egosi ndawa ukwu. Olee (b) na-agbanyeghi na ọ lafere n'ule **HIATUS* kachasi n'ogoogo dara iwu *ONSET* maka na mgbochiume a

maliteghị nkejiokwu nke anọ. Ọ dakwara *PARSEiF'n* na *IDENTi±highn* n'ihị na ochekwaghị ụdaume kenkejiokwu atọ. N'aka nke ọzọ, olee (d) nuurụ isi n'iwu *PARSEiF'n* na *IDENTi±highn*. Ndị olee (a) na (b) enupughiri *DEP-IO(C)* isi maka na ha ewebataghị mgbochiume ọ bụla na mwebanye. Olee (ch) bụ oka ibe n'ihị na ọ dara naanị iwu *DEP-IO(C)* bụ nke ogoogo ya pekariiri ibe ya. E gosiputara na ọ bụ oka ibe site na □

Mkpọnakpo

Tableau 2: Tableau ntinye ụdangwe iwh

/i . s i. o . k w u / 	!		P A R S E i F ' n	I D E N T i ± h i g h n	
a . i. s i. o . k	!				

w u					
b . i. s o . o . k w u			*	*	
c h . □ i. s i. j o . k w u					
d . i. s o . k			* !		

w					
u					

E lee anya na tableau nke abuo, a ga-choputa na o yiri tabul ahụ n'otu ha siri hube isi ma dakwaa n'ufodu iwu.

E lee anya na *data* nakwa tabul ndi a di n'elu, a ga-achoputa na ntinye udangwe ndi putara ihe n'asusu Igbo bu mkponnegbugbere na mkponakpo. A bia na mkponnegbugbere, o na-aputa ihe mgbe udaume elu ebe mkpoputa ha metutara egbugbere onu, ya bu /u/ na /o/ na udaume ozọ biakotara onu n'okwu. Mgbe udaume ndi a na udaume ozọ biakotara, a na-etinye mkponnegbugbere /w/ n'etiti ha abuo ka o nwee ike ikwe ikpoputa ososo. N'otu aka ahụ, a na-etinyekwa mkponakpo /j/ mgbe udaume elu ebe mkpoputa ya metutara akpo, ya bu /i/ na /ɪ/ nakwa udaume ozọ biakotara onu. Udaume ndi a ga-ebu uzọ tupu ndi ozọ esowe ha, ya bu na ha ga-abu U1 ebe nke na esote ya ga-abu U2. N'etiti ha abuo di ka anyi siri hu n'omuma atu 5 di n'elu ka a ga-etinye uda ndi a. Nke a putara na o bu agwara U1 ga-egosiputa agwara mkposo a ga-etinye iji kewaa udaume abuo ka ha ghara ibiakota onu.

Asusu Igbo bu asusu nwere udiri nkejiokwu ato: udaume (dika o), myiridaume (dika m) na mgbochiume+udaume (dika di). Mkpuruokwu Igbo nwere ike imalite ma o bu kwusi n'udi nkejiokwu o bula. A bia n'etiti okwu, udaume bu naani udi nkejiokwu e nweghi ike ino naani ya. Ya bu na e nwere ike inwe myiridaume (N) na mgbochiume+udaume (CI). O bu n'ih ike a mere na mgbe e nwere okwu abuo; okwu nke mbu kwusi n'udaume ma nke abuo amalite n'udaume, mgbe a na-akpoputa ha, ebe mkpoputa ha anaghi enwe ike akpoputa ha iche iche. Mkpoputa udaume ndi ahụ iche iche ga-ekwe omume ma e nwee ntinye mgbochiume n'etiti ha abuo. Naani onye asusu Igbo abughi

asusu ara nne ya ma o bu ndi nwere asusu Igbo dika ara nne ha ma ha amaghi asu ya bu ndi nwere ike ikpoputa udaume di otu ahụ iche iche. Di ka Casali (1996, 1997); Orie na Pulleyblank (2000); Pulleyblank (1998) na Rosenthal (1994, 1997) si kowaputa, a na-ahuta onodu *hiatus* na mmebeokwu ma o bu n'usorookwu e jikotara onu. Site n'ihe ndi odee dere, ha na-akowaputa na asusu mba uwa anaghi anabata hiatus. Nke a mere na ndi nwe asusu na-achọ ụzọ ma o bu choro ụzọ ha gae-ei wee dozie ya ma o bu kewaa udaume ndi a. Mana otu ihe doro anya bu na o bughị otu ụzọ ka ha dum si eme nke a; nke putara na asusu o bula nwere ụzọ o si agba mbọ idozi nke ya. Iji maa atụ, asusu Tivi di ka Kwambhehar (2014) siri kowaputa na-emeputa myinaabo/udamkpi di ka otu usoro ha ji edozi hiatus mana o dighi etu a n'asusu Igbo. Site na nkowa Casali na Rosenthal, ihe a ga-eji tnyere ndozi a bu usoro nkejiokwu di mma. N'aka nke ha, Orie na Pulleyblank (2000) kwuru na o bu nhiahu di na mkpoputa uda nwere ike iweta ntinye mgbochiume n'etiti hiatus. Nke a bu eziokwu n'asusu Igbo. Usoro ezi nkejiokwu hutara ndozi *hiatus* n'udi usorookwu adighi mma nke na-enweghi *ONSET* (nkejiokwu nke abuo anaghi amalite na mgbochiume). N'aka nke ozo, usoro mkpoputa kwuru na o bu nhia ahụ di n'idozighari ebe mkpoputa site n'otu udaume di gaa n'ozo dikwa iche bu ndi na eyighi onwe ha. Kawu (2000) kwuru na usoro mkpoputa megidere *hiatus* bu *HIATUS ma o bu NOHIATUS. Iwu atumatu optimaliti dabara n'ogo abuo nke gunyere; ntukwasị obi na iriba ama/nnwenzi. Ihe iwu ntukwasị obi choro bu na ihe a ga-enweta na ihe e tinyere ga-abu otu ihe na nke e weputara. Okoto iriba ama/nnwenzi na-akowa na odidi ufodu ka ibe ha mma. Mmekorita iriba ama/nnwenzi na ntukwasị obi n'ogogo na-eziputa ntucha okaibe n'ihe o bula e nyere. N'atutu optimaliti, udi ntinye o bula na-enupu isi n'iwu ntukwasị obi. Nke a bu eziokwu n'ihia na uda o bula e tinyere na mweputa na-eme ka e nwee ndiiche na mwebanye bu nke na-adighi na ndeputa mkpuruokwu ahụ (Archaengeli na Langendoen, 1997).

Mmechi

Akwukwọ a e le banyela anya na ntinye mgbochiume dika otu uzọ asụsụ Igbo si ebu agha megide hiatus. O di nnọọ mkpa inwe ezi usoro ụdaasụsụ nwere ezi nkọwa. O bụ eziokwu na nkọwa ndị nchọcha ufodu gbasara nnọkọ ụdaume abụọ n'etiti okwu gosiri na ntinye ụda, olilo, na ndapụ ụdaume bụ site n'ikwu okwu ọsọ ọsọ. Nchọcha a gala n'ihu ime ka o dowanye anya ihe mere ede ibe nwiji gbasara ntinye ụdangwe. Ya mere nchọcha a na-ekpebi na o bụ n'ihu igba mbọ ihu na nkejiokwu o bula na mkpọtuta ga-amaliteriri na mgbochiume. Nke a bụ nkwenye zuru asụsụ mba ụwa onu maka na o nweghị asụsụ na-enweghi nkejiokwu mgbochiume na ụdaume mejuputara. O bụ n'ihu nke a mere asụsụ Igbo ji etinye ụdangwe na mkpọtuta okwu nkejiokwu abụọ nọdabere onwe ha nso; ma o buri na nkejiokwu nke mbu kwusiri n'udaume elu nkejiokwu nke abuo no nke mbu nso amalite n'udi ụdaume o bula msasiri ya. Ntinye ụdangwe bụ iji hubeere iwu optimaliti zuru mba ụwa onu siri na nkejiokwu o bula ga-amaliteriri na mgbochiume (ONSET). Nrube isi nye ONSET putara na okoto nnwenzi ka nke ntukwasị obi ogo ma putakarịa ihe na ntinye n'otutu asusu mba ụwa.

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