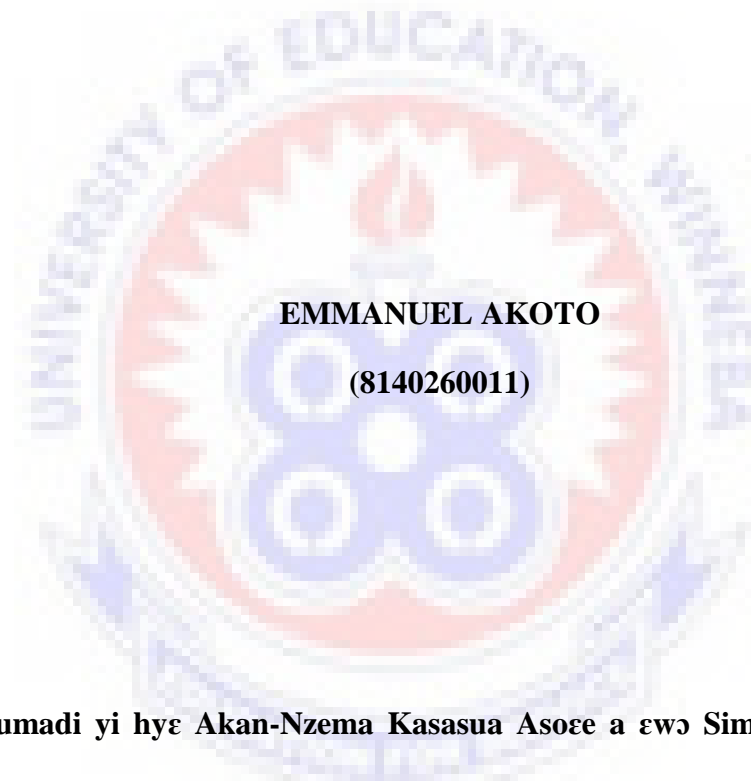


UNIVERSITY OF EDUCATION, WINNEBA

AKUAPEM FONOLŌGYI NHYEHYƐE MU BI



EMMANUEL AKOTO

(8140260011)

Mede dwumadi yi hye Akan-Nzema Kasasua AsoƐe a Ɛwɔ Simpa Suapɔn (UEW) nsa, na anam so akodu suapɔn ne fa a Ɛhwɛ Masafo adesua so hɔ, sɛnea Ɛbɛboa ma manya abodin krataa wɔ adwenemusem mu panyin afi Simpa Suapɔn mu.

Ahinime, 2016

PEAMUKA

OSUANI PAEMUKA

Me, Emmanuel Agyakwa Akoto pae mu ka se, saa dwumadi yi, se mede nea nkorofa a mabobo won din wo dwumadi yi mu to nkyen a, nea aka nyinaa ye m'ankasa me nsa ano adwuma. Obiara nyee emu fa anaa mua bi se ode repe abodin wo baabiara.

Nsa ano din

Da

OHWEFO PAEMUKA

Mepae mu ka se, me na mehwee dwumadi yi so tentenn no senea Simpa Suapon akwankyere a wofa so de tenten tiisisi dwumadi te no.

Ohwefo Din: Prof. Emmanuel Nicholas Abakah

Nsa ano din

Da

ASEDA

Meda Onyankopɔn ase se ɔdomm me nyansa a mede akyerɛw me dwumadi yi. Mede aseda pepeankoma ma me hwɛsoni, Prof. Emmanuel Nicholas Abakah wɔ ɔɔ ne abotare a onya maa me wɔ dwumadi yi kyerɛw mu. Ono na ɔhwe kenkann dwumadi yi mu san tentenn mfomso biara a ɛwom ma dwumadi yi abedu saa mpɛmpenso yi. Nea mesre ne se, Onyame mma no nkwa tenten, nyansa ne ahoɔden wɔ ne nkwa nna nyinaa mu. Enam n'afutupa, n'akwankyerɛ ne n'atentenn so na yehu dwumadi yi.

Meda Owura Kwasi Adomako ne Dr. Samuel Atintono ase papaapa wɔ wɔn mmoa a wɔde boaa me wɔ nhoma fam. Mede aseda bio san ma Dr. Charles Owu-Ewie wɔ akwannya a ɔde maa me ma mitumi de toaa m'adesua so. Mesan da akyerɛkyerɛfo a wɔkyerɛ ade wɔ Akan-Nzema nkorabata nyinaa ase. Ne korakora no, meda m'awofo ase yiye wɔ wɔn mmoa a wɔde boa me wɔ afutu, mpaebɔ ne sika fam. Mise, Onyankopɔn nhyira wɔn pii.

Meda wɔn a m'antumi ammɔ wɔn din wɔ ha nanso wotumi boaa me wɔ kwan bi so nyinaa ase.

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Gloria Frempomaa ne me nuanom nyinaa anuonyam.



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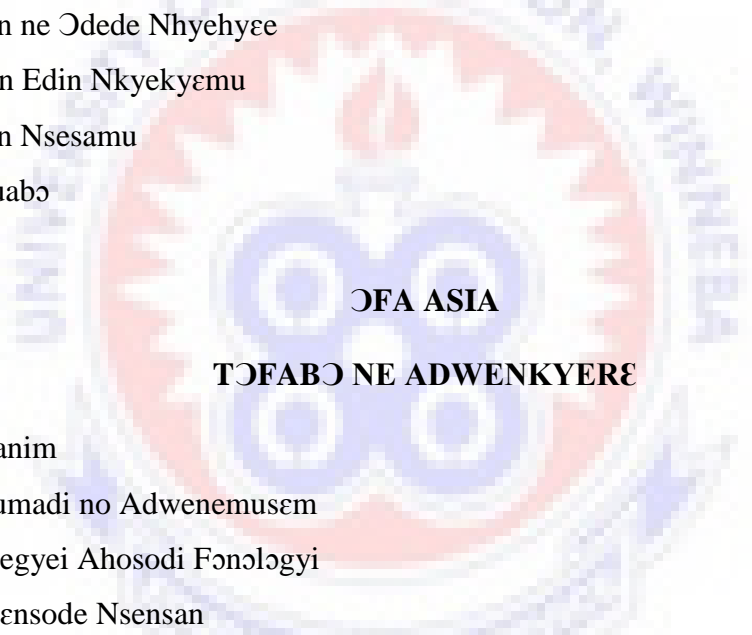
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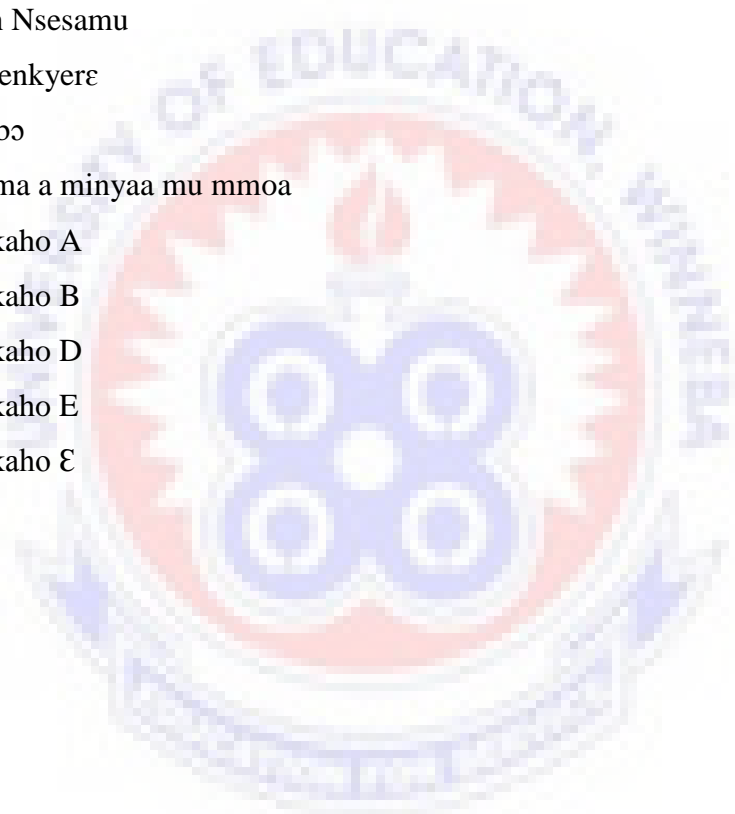
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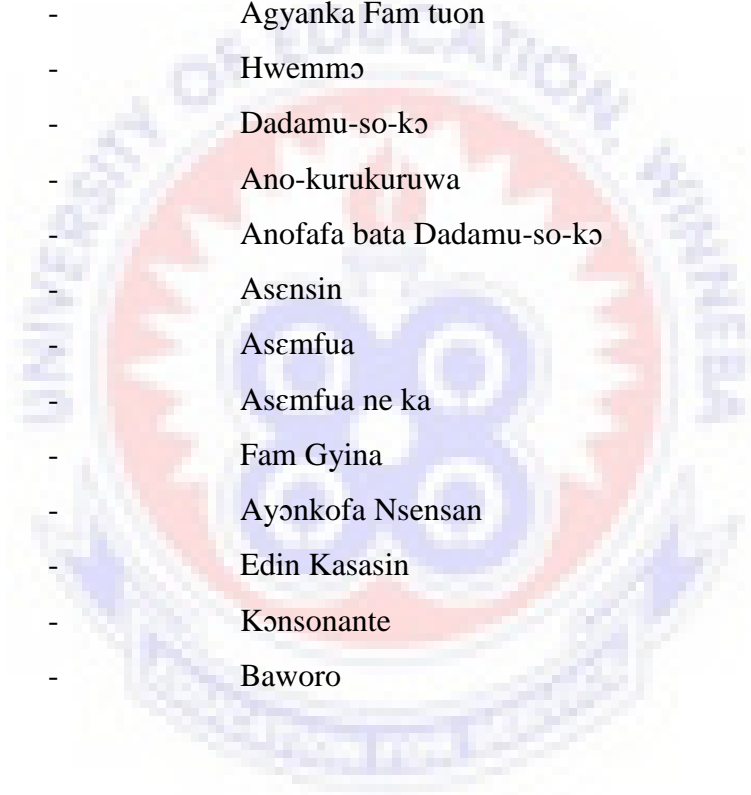
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AGYIRAEHYEDE BINOM A EWƆ DWUMADI YI MU

+	-	Mɔɔfem ahye so
#	-	Asemfua ahye so
’	-	Soro enne
˘	-	Fam enne
S	-	Soro tuon
Ṣ	-	Agyanka Soro tuon
F	-	Fam tuon
F̣	-	Agyanka Fam tuon
~	-	Hwemmo
j	-	Dadamu-so-ko
w	-	Ano-kurukuruwa
ɥ	-	Anofafa bata Dadamu-so-ko
σ	-	Asensin
//	-	Asemfua
[]	-	Asemfua ne ka
!	-	Fam Gyina
	-	Ayɔnkofa Nsensan
EDK	-	Edin Kasasin
K	-	Kɔnsonante
B	-	Baworo



NHYENMU

Dwumadi yi de Akuapem kasa nkorabata a εwɔ Akan mu fɔnɔlɔgyi nhyehyee mu bi to gua. Ne botae ne sɛ, edii dwuma no wɔ ntoto ho kwan so na εde Akuapem kasa nkyekyemu Ofie, Akwamu ne Kamena totoo ho hwεε fɔnɔlɔgyi nsonsonoe ne nea εma ɔkasa nkorabata biako da nso fi ɔfoforo ho. Dwumadi yi gyina Nnyegyeyi Ahosodi Fɔnɔlɔgyi ne Ahyensode Nsensas so hwεε fɔnɔlɔgyi nsonsonoe a εda adi wɔ Akuapem mu.

Dwumadi yi da no adi sɛ, anofafa bata dadamu-so-kɔ a εnam KUa/e nhyehyee so si wɔ Akan mu no, Ofie ka kɔnsonante no wɔ anofafa bata dadamu-so-kɔ kwan so sen Akwamu ne Kamena. Bio, dwumadi yi da no adi sɛ, kurukuruwa biakoye da adi wɔ Akuapem mu ne titiriw wɔ Ofie mu. Ansa na eyi betumi asi no, gye sɛ, edinnsiananmu a edi dwuma sɛ ɔyefo no ye biakofo edinnsiananmu a εto so abien /wɔ/, abiesɔ /ɔ/ ne dodow edinnsiananmu a εto so abien /mɔ/. Dwumadi yi san da no adi sɛ, wɔ ɔdede nhyehyee mu no, agyanka § a εwɔ ɔdede edinnsiananmu ne ɔdede edin asemfua ntam no tene kɔ edin asemfua a εwɔ [+fam] baworo /a/ wɔ ne nsianim so wɔ Akwamu ne Ofie mu bere a edinnsiananmu no fa tuon agyamafa wɔ Ofie mu. Eɛsan tene kɔ baworo a edi kan wɔ edin asemfua no mu so wɔ bere a edinnsiananmu no fa tuon agyamafa wɔ Kamena mu.

Dwumadi yi san da no adi sɛ, sɛ daakye kabɛa mɔɔfem /bɛ/ tuon ne adeye kuw II ne III a ne tuon nhyehyee ye FS hyia a, S a εwɔ daakye kabɛa mɔɔfem mu no tene koyi F a εwɔ asensin a edi kan wɔ adeye no so ma ebeye agyanka. Agyanka F no mfa fam gyina mma mmom εno nso tene koyi S a εtoa ne so (asensin a etwa to) fi hɔ ma ekoye tuon agyanka wɔ Ofie Akuapem mu.

ƆFA BIAKO

NNIANIM

1.0 Nnianim

Adekyee ne adesae nyinaa ɔkasa nyin. Abere ne abere nyinaa nso, animdefo ne nhwehwemufu di dwuma ahorow de hwehwe kasa ahorow a ɛwɔ wiase afaanan nyinaa mu. Eyi nti aboa ma kasahonimdefo dodow no ara na atumi ahu senea amanaman kasahorow nyinaa di dwuma fa. Sɛ yereka no sei de a, yɛrentumi nyi Akan kasa nto nkyɛn. Kasahonimdefo a ɛwɔ Akanman mu dodow no ara atumi adi dwuma de aboa ma kasa no atu mpɔn. Wɔn a wɔnyɛ Akanfo binom te sɛ, Christaller (1875), Schachter ne Fromkin (1968), Stewart (1983) ne O'keefe (2003) nso adi dwuma de aboa Akan kasa no paa ara. Akanfo binom te sɛ, Obeng (2000), Adomako (2008, 2012), Dolphyne (2006) ne Abakah (2000, 2003, 2005a, 2005b, 2006, 2010a, 2012, 2013a, 2015) nso aboa ma Akan kasa no adu akyi. Eyi aboa ama kasahonimdefo a wɔnyɛ Akanfo na womfi ɔman yi mu ahu senea kasa no te. Akan kasa nkorabata a ɛyɛ Akuapem, Asante ne Fante no, animdefo yi atumi aboa ma atu mpɔn yiye. Dwumadi a animdefo dodow no ara adi wɔ Akan mu fa kɛse no ara fa Asante ne Fante kasa ho.

Mprempren, sɛ yehwe senea kasahonimdefo a atwa wiase afaanan baabiara ho ahyia reye nhwehwemu afa kasa ho de agyaw nkyirimma a, ɛbeyɛ yaw sɛ Akuapemfo betena hɔ aye nhwehann a wɔrenni dwuma biara mfa mmoa mma nhomasua nkɔ so. Christaller (1875), Schachter ne Fromkin (1968), Dolphyne (2006) ne Abakah (2000, 2005, 2012, 2015 ne nea ɛkeka ho) atumi adi dwuma ahorow wɔ fɔnɔlɔgyi kwan so de aboa ma Akuapem kasa no atu mpɔn paa ara.

Dwumadi yi mu mehwe fɔnɔlɔgi akwan binom na ebekasa afa omene akwan binom te se hwemmɔ, dadamu-so-kɔ, baworo biakoye, anofafa bata dadamu-so-kɔ ne akyye ho. Ebesan atoa so ahwe asensin nhyehyee akwan binom te se nhyemu, tuon fem, nnyegyeyi yera, konsonante mfɔfɔreso ntewso ne nnyegyeyi beasesa. Nea etwa to no behwe tuon ne ɔdede nhyehyee ne daakye nsianim tuon ne adeye tuon nhyehyee. Awiei no, mede dwumadi no nyinaa ho tɔfabɔ beto gua. Ofa 1.1 de Akuapemfo abakɔsem to gua.

1.1 Akuapemfo Abakɔsem

Tete no na edin *Akuapem* nna nnipakuw a wɔwɔ nkurow (Aburi, Ahwerease, Tutu, Obosomase, Amanɔkrom, Abotakyi, Mampɔn, Mamfe, Akropɔn, Abiriw, Dawu, Awukugua, Aprɛde, Aseseeso ne Late) yi so, mmom na wɔye Guanfo a eye Latefo ne Kyerepɔnfo kɔpem se wotumi ka boom se ɔman biako pam Akwamufɔ ma wobenyaa edin Akuapem.

Ene se, tete no na Akwamufɔ te Nyanoase a ewɔ Nsawam. Na wɔye nnipakuw bi a ahɔden ne atutrasem de wɔfa no kwa. Aman bi te se Guanfo, Nkranfo, Fantefo ne Kotokufɔ a na atwa wɔn ho ahyia no huu amane pii. Esiane amane a na aman yi rehu nti Guanfo (Akuapemfo), Gyakitifo ne Nkranfo ka boom ne Akwamufɔ koe pɛe se wɔpam wɔn nanso wɔanya baabi annyina wɔ wɔn anim. Ebaa saa no, Late Guanfo (Tutu, Obosomase, Mampɔn, Abotakyi, Mamfe ne Late) ne Kyerepɔn Guanfo (Abiriw, Awukugua, Aprɛde, Adukrom, ne Dawu) hyiaa mu se ɔman biako susuw kwan a wɔbefa so ayi Akwamufɔ konnua a eda wɔn so no. Saa bere no, Gyakitihene Nana Ofee Akwasi Agyeman a ofi Senkye na akodi nti obepuee Guanfo no mu susuw se, senea ebeye na wobetumi ako apam Akwamufɔ nti, wɔnkɔ Akyem Abuakwa Ohempɔn Nana Ofori

Panyin a wakwadare wɔ ɔko mu na watumi adi Akwamufɔ so nkunim wɔ ɔsa mu pen nkyen nkɔsrɛ ne ho dɔm. Nana Gyedu Nkansa (Latehene) a na ɔda Guanfo no ano penee so ma wɔkɔɔ Nana Ofori Panyin nkyen de wɔn ahiade kɔtoo n'anim. Mpanyimfo a wotuu wɔn kɔɔ ɔkyehene ho ne Osew (ofi Adukrom), Awukutia (ofi Awukugua), Domfoe Mante (ofi Late) ne Kwabena Yobo (ofi Obosomase). ɔkyehene tiee wɔn adesrɛ no de ne nua kumaa Owusu Akyem Tenten ne ne wɔfase Barima Safori domm wɔn de asraafo kaa ho sɛ wonkodi wɔn anim nkɔ ɔko (Koranteng, 1975).

Owusu Akyem Tenten ne ne wɔfase Barima Safori beyɛɛ ntotoe dii Guanfo no anim ma wɔne Akwamufɔ kɔfee so kaa wɔn koguu Firaw n'agya/akyi a ɛnne Akwamufɔ te yi. Eyi ne ɔko kɛse a wɔkyerɛ sɛɛ ɛkɔɔ so wɔ Nsakyere wɔ afe 1730 mu. Barima Owusu Akyem Tenten de ɔko no mu ara na ne nua panyin Nana Ofori Panyin too nsa frɛe no sɛ ɔnsan mmra Akyem Abuakwa na Asantefo abɛtoa wɔn, enti wansan ankɔ n'akyi (Guanfo no ho) bio.

Wofii ɔko bae no, Guanfo a ɛyɛ Kyerepɔnfo ne Latefo no ampene amma Barima Safori ankɔ Akyem bio efisɛ, na wosuro sɛ ebia na Akwamufɔ asraafo no akɔboa wɔn ho asan abɛtoa wɔn bio. Eyi nti, wɔde adesrɛ san kɔtoo ɔkyehene Nana Ofori Panyin anim srɛɛ no maa ohyiraa ne wɔfase no so maa obedii wɔn so sɛ ɔhene. Ahensem mu no, Okuapehene yɛ ɔkyehene wɔfase.

ɔko no akyi no, Barima Safori yɛɛ sɛ obetu Aburifo, Atweasinfo, Ahwereasefo ne Birekusofɔ a na wɔyɛ Akwamufɔ fa bi a wɔkaa wɔ ɔko no mu so sa, nanso wɔn ti a ɛyɛ Aburihene Nana ɔfee Agyeman kɔbɔɔ Barima Safori sokahyiri ma wɔbɛhyɛɛ n'ase. Akyiri no, aman ahorow yi nyinaa hyiaa wɔ Abotakyi na wosuaee de kyereɛ Safori de ɔbo hyɛ fam de hyɛɛ nsem a wɔkae no mu kena wɔ afe 1733 mu sɛ Barima Safori nni

wɔn so kɔpem sɛ ɔbo no befi (Eyi yɛ nkɔmmɔ twetwe a ɛkɔɔ so wɔ me ne Addo a ɔwɔ Nsakyɛ ntam ne Koranteng, 1975).

Sɛnea Kwamena-Poh (1972) da no adi wɔ Oduro-Awisi (2013) mu kyɛ sɛ, bere a Akwamufɔ di Guanfo so no, edin a na wɔde frɛ wɔn ne 'nkoa apem'. Mmom ɔko no akyi a wotumi dii Akwamufɔ so na ɛmaa wɔsesaa edin 'nkoa apem' yi yɛ no 'akuw apem' efise, na wɔnyɛ nkoa (wɔnyɛ Akwamufɔ ase) bio. Kasasin abien yi na ɛnne adan edin 'Akuapem' a ɛda nnipakuw yi so no. 'Akuw' no gyina hɔ ma kyɛ a Owusu Akyem Tenten kyɛ Guanfo no mu kɔɔ Adɔnten (Aburi, Ahwerease, Birekuso ne Tweasin), Benkum (Mamfe, Mampɔn, Tutu, ɔbosomase ne Late) ne Nifa (Dawu, Awukugua, Aprɛde, Aseseeso ne Abiriw) mu ne 'Apem' a ɛyɛ wɔn dodow.

Nkurow binom te sɛ Tutu, ɔbosomase, Mampɔn, Abotakyi ne Mamfe a wɔwɔ Akropɔn Anaafɔ fam a tete na wɔka Guan kasa no ayɛra wɔn kasa no koraa ma ɛnne wɔn nyinaa ka Akuapem Twi. Guanfo a ɛnne wɔda so ka Guan kasa no yɛ Late, Abiriw, Dawu, Awukugua, Adukrom, Aseseeso ne Aprɛde (Christaller, 1875).

1.1.1 Kamenafɔ

Kamena yɛ edin a wɔde frɛ Adumasafo, Agyenafo ne Gyakitifo. Nea enti a wɔfrɛ nnipakuw yi saa ne sɛ, sɛ ɔmanhene a ɔwɔ Akwamu to nsa frɛ n'ahemfo nketewa a wɔhyɛ n'ase hyia mu toatoa adwen anaa mpo hyɛ mmara po a, ɔnto nsa mfrɛ ahemfo a wɔwɔ Gyakiti, Adumasa ne Agyena. Nea enti ne sɛ, sɛ ahemfo yi ba na wɔn adwentoatoa mu no sɛ ahemfo yi mu biako ka asem bi na n'ano koyi ne ka a, Akwamuhene tumi ma otwa oguan. Ne saa nti, sɛ ɔmanhene hyia n'ahemfo toatoa adwen a, ɔmfrɛ wɔn mmom, nea wobesusuw ho akosi biara wɔka de mena ahemfo a wɔdeda nkurow yi ano. Sɛ asem a

wɔde bɛmena wɔn no wɔpene so o, wɔmpene so o, wonni ho asem biara ka mmom wodi so pɛpɛpɛ.

Nea enti a Akwamufɔ ne nnipakuw (Kamenafo) yi te wɔ saa kwan yi so ne sɛɛ, bere a Akwamufɔ fi Nyanoase reba no ɛnye wɔne wɔn na ɛbae na afei nso Akwamufɔ no wɔ Firaw n'agya na Kamenafo nso wɔ Firaw n'anim. ɛnne wɔn nyinaa wɔ Asuogyaman Mansin mu nanso edin no da so da wɔn so na sɛnea wɔne wɔn te no da so kɔ so saa ara (Eyi ye nkɔmmɔ twetwe a ɛkɔ so wɔ mene Maame Kɔbɛ a ɔwɔ Akwamufie ntam).

1.2 Akuapem Kasa

Akuapem Twi ye Akan kasa nkorabata no mu biako. Ɛye kasa a wɔka no wɔ Okuapeman ne Asuogyaman a ne nyinaa wɔ Ghana Apuei mantam sɛnea asaase mfonɩ 1 ne 2 da no adi no. Nnipakuw abien na ɛwɔ Okuapeman mu. Eyinom ne Guanfo ne Akanfo. Guanfo a ɛwɔ Okuapeman mu no wɔ Akuapem (Akropɔn) Atifi ne Apuei fam (hwe Asaase Mfonɩ 3). Wɔn a wɔwɔ Akropɔn Atifi fam no ka Kyerepɔn kasa a wɔfre wɔn *Okerefo* na wɔn a wɔwɔ Apuei fam nso ka Late kasa. Akanfo a ɛwɔ Okuapeman mu no ase fi Akyem ne Akwamu a wɔte Akropɔn ne Amanɔkrom (Akyemfo a wofii Abuakwa bae) ne Aburi (Akwamufɔ). Ade biako a ɛda Guanfo ne Akanfo a ɛwɔ Okuapeman mu ntam ne sɛ, Guanfo di agyade na Akanfo no nso di ɛnade (Eyi ye nkɔmmɔtwetwe a ɛkɔ so wɔ me ne Maame Akosua a ɔwɔ Akropɔn ntam).

Basel Asempamutɔwfo na wɔde Nyamesom bae wɔ Okuapeman mu. Wɔn (asempamutɔwfo) botae titiriw a na esi wɔn ani so ne sɛ wɔde Akuapemfo kasa no bedi dwuma ama atu mpɔn. Kwamena-Poh (1972) kyere sɛ, wɔ Asempamutɔwfo asɛnka mu no, Akuapem kasa no nkutoo na wɔde dii dwuma. Wɔsan de kasa no dii dwuma wɔ sukuu

mu na nkakrankakra wɔde akyerɛwde a edi mu anaa ɛfata kyerɛw Akuapem kasa no. Kwamena-Poh (1972) san kyerɛ sɛ, beyɛ afe 1875 mu no, na nhoma beyɛ aduanan abiesa (43) na wɔatumi de Akuapem Twi no akyerɛw apaw ho ntama a Kyerɛw Kronkron nhoma a wɔkyerɛɛ ase wɔ afe 1871 mu ka ho. Akyiri no, Akuapem Twi beyɛɛ kasa a na wɔde di dwuma biara wɔ Okuapeman mu. Ɛno ne kasa a na wɔka wɔ asɔre ne mmeae bi te sɛ Guaso. Mprempren, Akuapem Twi ye kasa a wosua wɔ sukuu mu. Ɛno nso na wɔde di dwuma wɔ asɔre ne aguadi mu nanso Guanfo a ɛye Kyerepɔnfo (Okere) ne Latefo de, Akuapem Twi no ye wɔn kasa a ɛtɔ so abien a wɔka ne titiriw wɔ wɔn afiafi mu. Guanfo a ɛye Anumfo ne Akwamufo na ɛwɔ Asuogyaman mansin mu. Nkurow bi te sɛ Senkye, Akwamufie, Nnudu, Aboasa, Mpakadan, Gyakiti, Agyena ne Adumasa nyinaa ka Akuapem Twi. Tete no na Dɔampɔn (Juapɔn) ye Akwamufo asaase na wɔde maa Ayigbefo nanso ɛnne nnipa dodow no ara a ɛtete hɔ ye Ayigbefo.

1.3 Beae a Akuapemfo wɔ

Akuapemfo wɔ Apuei mantam na wɔne Firaw mantamfo bɔ hye wɔ Togo afam. Wɔ n'anaafɔ ye Nkranfo na Adangmefo (Krɔbɔ ne Adaa) hye Okuapeman ne Asuogyaman ntam senea asaase mfonɔ 1, 2 ne 3 da no adi no.

Wim nsakrae a ɛwɔ Okuapeman bepɔw so ye soronko koraa. Sɛ edu anwumere a ɛye den ma ahyɛnkafo ɛfise mmepɔw wɔ hɔ na ɛma bɔ si ntem paa ara. Mpo sɛ edu anɔpa a, esiane nnua atenten a ɛwɔ hɔ nti, ɛkye ansa na wim atumi atew. Awɔw nso wɔ hɔ yiye. Wɔkyerɛ sɛ, esiane wim nsakrae a na ɛwɔ hɔ nti, ɛno na ɛmaa Aborɔfo no pɛɛ ɛhɔ tera no. Mprempren Aborɔfo dodow no ara na ɛtete hɔ. Esiane mmepɔw a ɛwɔw hɔ nti, kuaye wɔ hɔ ye den paa ara. Asuogyaman mu nso no, Firaw a ɛda hɔ no ma nnipa dodow no ara

na ɛde wɔn ho awura namtɔn mu. Aduan ne nam a ɛnyɛ na wɔ ho ne aboodoo, adɔde, mɔnkɔ ne nkadoa. Nkadoa yɛ nam nketenkete bi a wɔde kɛntɛn kyere wɔn fi Firaw mu, kyew de tɔn aboodoo.

1.4 Akuapemfo

Akuapemfo yɛ nnipa bi a wɔbrɛ wɔn ho ase na wobu ade yiye. Nea enti a mereka saa ne sɛ, wɔyɛ nnipa bi a sɛ mpo wɔpɛ sɛ wɔyaw wo a, wodi kan pa wo kyew. Sɛ ebia wudi nsemɔne bi a, Okuapeni tumi ka se: ‘Mɛpa wo kyew se, woyɛ aboa’. Sɛ obi fi Okuapeman mu a, wɔtaa ka se, ofi ‘Ofie’ pɛɛ. Enti edin ne nsamrane a wɔde bɔ wɔn ne ‘Ofiefo’. Sɛ eyi da nkyɛn a, afahyɛ ahorow abien a agye din wɔ Ghana ne Okuapeman mu nyinaa ne Odwira ne Ohum. Bio, aduan a nnipa dodow no ara a ɛwɔ ho pɛ paa ara ne fufu ne abɛnkwan ne bayere anaa mankani a wɔde afra nkwan (abɛnkwan anaa nkrakra) a wɔtaa frɛ no se, nnwoma.

Okuapeman mu no, ayaresabea ne sukuu a ɛwɔ ho nso agye din wɔ ɔman Ghana mu paa ara. Ankorankoro Suapɔn anan na ɛwɔ ho. Eyinom ne Akrofi-Christaller Suapɔn a ɛwɔ Akropɔn-Akuapem, Baselfo Suapɔn a ɛwɔ Akropɔn-Akuapem, ‘Crescent’ Suapɔn a ɛwɔ Late-Akuapem ne Basel Akyerɛkyerɛfo Ntetebea (PTC ne PWTC) a ɛno nso wɔ Akropɔn-Akuapem ne Aburi.

Sukuu ahorow abiesa a ɛhwɛ nnipa a wɔn ho atɔ kyima so nso wɔ ho. Eyinom ne Akropɔn sukuu a wɔhwɛ anifuraefo, Mampɔn mfitiase ne ntoaso sukuu a wɔhwɛ asotiwfo ne sukuu a wɔhwɛ wɔn a wɔwɔ adwenenmuhaw so a ɛno nso wɔ Adukrom. Akuapem na Tetteh Quarshie Ayaresabea ne beae a wɔyɛ nhwehwemu fa nhamamma a wɔde sa yare

wɔ. Wɔ Asuogyman Mansin mu nso no, εhɔ na Akosombo nsumuban ne Adɔme sutware a ɔmampanyin dedaw J.J. Rawlings de wimhyɛn faa ase no wɔ.

1.5 Dwuma Ahorow a binom adi wɔ Akuapem mu Dedaw

Kasahonimdefo dodow no ara na adi dwuma wɔ Akan kasa mu efi bere a akyerew fii ase. Eyinom mu biako a ɔmaa Akan (Twi) kasa ho baa mfaso na epegysae ne Christaller. ɔye Asempamutrewfo no mu biako a wɔde no kɔɔ Akropɔn. ɔno na ɔkyerɛɛ Kyerew Kronkron nhoma ase kɔɔ Twi (Akuapem) mu. Christaller (1875) de Akuapem kasa no yɛɛ nnyinaso kyereɛ kasammara nhoma wɔ Fante ne Asante mu. ɛmu na ɔdaa akyerewde nnyegyeyi (kɔsnɔnante ne baworo) a wɔde kyereɛ Akan kasa no adi. Christaller (1881) san daa nsemfua nkyerɛase nhoma a edi kan wɔ Akan mu adi. Asempamutrewfo de wɔn dwumadi baa awiei no, ɔkanni a ɔboaa ma Akuapem kasa pegysae ne C. A. Akrofi. Afe 1937 mu no, ogyinaa Christaller dwumadi no so kyereɛ Twi kasa mmara ho nhoma.

Wɔn a adi dwuma wɔ Akuapem kasa nkorabata mu nso ne Kwamena-Poh (1972) ne afoforo binom. Agyekum (2012) nso kyereɛ Akan kasa nhyehyɛe ho nhoma na Osam (2003) nso hwɛɛ adeye ahorow dwumadi wɔ Akan mu. Kasahonimdefo binom nso adi dwuma wɔ fɔnɔlɔgyi mu de Akan kasa nkorabata (Akuapem, Fante ne Asante) no atoto ho ahwe nneema binom a esese ne nea ɛma ɔkasa nkorabata foforo da nso fi ɔfoforo ho. Animdefo yi bi ne Schachter ne Fromkin (1968). Wɔn dwumadi mu no, wɔhwɛɛ fɔnɔlɔgyi nsonsonoe a ɛwɔ Akan kasa nkorabata no mu. Nea esese ne nea ɛma ɔfoforo da nso nyinaa no, wɔdaa no adi.

Dolphyne (2006) nso hwɛɛ ɔkasa nnyegyeyi ne tuon nhyehyɛe wɔ Akan mu. Abakah (2003, 2005a, 2005b, 2010a, 2012, 2013a ne 2015) dwumadi ahorow nyinaa fa Akan fɔnɔlɔgyi ho. Ne dwumadi mu no, ɔde Akan kasa nkorabata no totoo ho kyerekyerɛe fɔnɔlɔgyi nsonsonoe a ɛwowɔ kasa nkorabata no mu. Mprempren fɔnɔlɔgyi mu no, ne dwumadi na ahwɛ Akan kasa nkorabata no wɔ ntotoho kwan so akɔ akyi pa ara. Stewart (1983) ne O'Keefe (2003) nso hwɛɛ baworo biakoyɛ dwumadi wɔ Akan kasa nkorabata no mu. Adomako (2008) hwɛɛ baworo nhyɛmu ne konsonante yera wɔ Akan nsemfuafɛm mu.

Sɛ eyi da nkyɛn a, Abakah (2004) san hwɛɛ nyerae (konsonante ne baworo) wɔ Fante kasa nkorabata mu. Ne dwumadi mu no, ɔde Fante kasa nkorabata nkyekyemu Boka, Anee ne Iguae totoo ho hwɛɛ fɔnɔlɔgyi nsesɛe ne nea ɛma kasa nkorabata biako da nso fi ɔfoforo ho. Abakah (2013b) nso hwɛɛ baworo nsiananmu nhyehyɛe dwumadi wɔ Fante mu de kasa nkorabata no san totoo ho. Ne dwumadi ahorow yi nyinaa mu no, nea ɛne Akuapem anaa Asante kasa sɛ no, ɔda no adi pɛpɛpɛ. Marfo (2005) nso hwɛɛ fɔnɔlɔgyi ne kasammara fa bi dwumadi wɔ Asante mu. Adomako (2012) nso hwɛɛ adeyɛ dinyɛ wɔ Asante mu.

1.6 Ɔhaw no

Animdefo bebree na ayɛ nhwehwɛmua wɔ Akan fɔnɔlɔgyi mu. Schachter ne Fromkin (1968), Stewart (1983), Dolphyne (2006) ne Abakah (2000, 2005a, 2010, 2012) dwumadi ahorow yi nyinaa fa Akan fɔnɔlɔgyi ho. Animdefo yi nhwehwɛmu ahorow yi nyinaa de Akan kasa nkorabata (Fante, Asante ne Akuapem) no atoto ho ahwɛ fɔnɔlɔgyi nsonsonoe a ɛda adi wɔ kasa nkorabata yi mu. Abakah (1993, 2004, 2013b) nso ayɛ

fɔnɔlɔgi nhwehwɛmu afa Fante kasa nkorabata ho. Wakyere wɔ mu se, Fante nye kasa biako mmom ewɔ nkorabata.

Ade biako a akyerɛwfo ne animdefo yi ada no adi wɔ Akuapem fɔnɔlɔgi mu ma mihu se, wuhu Akuapem se eye kasa biako. Nanso se yefa Akuapem a, ewɔ kasa nkorabata a nhwehwɛmufo a eye Akanfo ne wɔn a wɔnye Akanfo nyinaa adwen nkɔɔ so. Eyi nti na mede asi m'ani so se mereye nhwehwɛmu afa Akuapem ho na aboa ama animdefo ne akyerɛwfo ahu se Akuapem nye kasa biako senea wuhu no mmom ewɔ nkorabata.

Eyi nti, dwumadi yi reye nhwehwɛmu afa Akuapem fɔnɔlɔgi nyehyee mu bi ho na ebedi dwuma no wɔ ntotoho kwan so. Afei, ebeboa aye nnyinaso de ama obiara a ɔpe se odi dwuma wɔ kasa no mu wɔ fɔnɔlɔgi kwan so.

1.7 Dwumadi yi Botae

Senea kasahonimdeni biara de botae si n'ani so kyerɛw nhoma ne krataa ma eboa nnipa ahorow bebree wɔ adesua mu no, saa ara na me nso mede botae sii m'ani so se meye nhwehwɛmu yi na aboa afoforo. Botae a edidi so yi na mede sii m'ani so dwumadi yi mu.

Nea edi kan ne se, meboa asuafo ne kasahonimdefo ama wɔahu fɔnɔlɔgi nsonsonoe a eda adi wɔ Akuapem kasa nkorabata no mu.

Nea etɔ so abien nso ne se, meboa asuafo ne kasahonimdefo ama wɔahu tuon nsonsonoe a eda adi wɔ Akuapem kasa nkorabata no mu.

1.8 Dwumadi yi ho Nsemmissa

Nsemmissa a nhwehwemu yi gyina so no bi ne se:

- i. Fɔnɔlɔgyi nsonsonoe ben na eɔa adi wɔ Akuapem kasa nkorabata no mu?
- ii. Toun nsonsonoe ben na eɔa adi wɔ Akuapem kasa nkorabata no mu?

1.9 Akuapem Kasa Afaafa Nkyekyemu

Esiane se dwumadi yi botae ne se ereye nhwehwemu afa Akuapem Twi na adi dwuma no wɔ ntotoho kwan so nti, megyina susude ahorow abien so ama yeahu kasa afaafa a ebom ye Akuapem kasa no. Nea edi kan, nkurow a ewɔ Okuapeman mu dodow nyinaa ye dunsɔn na wɔn nyinaa ka Akuapem Twi. Saa mmantɔw dunsɔn yi ne; Brekusɔ, Abotakyi, Aburi, Ahwerease, Adukrom, Obosomase, Tutu, Mampɔn, Amanɔkrom, Mamfe, Akropɔn, Abiriw, Dawu, Awukugua, Aprede, Aseseeso ne Late (Hwe Asaase Mfoni 1 ne 3). Akorɔpɔn ne Mansin no nyinaa ti. Esiane se Abiriw, Dawu, Adukrom, Awukugua, Aprede, Aseseeso ne Latefo ka Akuapem no se wɔn kasa a etɔ so abien (L2) nti, mamfa wɔn anka me dwumadi yi ho.

Maakyɛ Akuapem kasa nkorabata no mu Ofie, Akwamu ne Kamena. *Ofie* ye edin/nsamran a wɔde fre Akuapemfo a ewɔ Okuapeman bepɔw no so na mede edin yi begyina ho ama Akuapem kasa nkorabata a wɔka no wɔ Akropɔn, Amanɔkrom, Mampɔn, Mamfe, Tutu, Obosomase ne Aburi wɔ me dwumadi yi mu (hwe Asaase Mfoni 1). Asuogyaman nkurow a eyɛ Agyena, Adumasa, Akwamufie, Nudu, Aboasa, Gyakiti, Mpakadan ne Senkye na mede dii dwuma (hwe Asaase Mfoni 2). Megyina me nhweso a minyaa so akye nkurow a ewɔ Asuogyaman mu ako Akwamu ne Kamena. Mede edin *Akwamu* begyina ho ama Akuapem kasa nkorabata a wɔka no wɔ Akwamufie, Aboasa,

Nudu, ne Mpakadan a wɔwɔ Firaw n'agya. Mede edin *Kamena* nso begyina hɔ ama Akuapem kasa nkorabata a wɔka no wɔ Gyakiti, Agyena ne Adumasa a wɔwɔ Firaw n'anin.

Megyina fɔnɔlɔgyi ne asemfua so akyere ama yɛahu senea efata se yekyekye Akuapem mu kasahorow Ofie, Akwamu ne Kamena.

Nkyekyemu

Wɔ fɔnɔlɔgyi kwan so no, nsonsonoe yi na eda adi wɔ Akuapem ɔkasa nkorabata no mu.

Asemfua	Ofie	Akwamu	Kamena
	- [ɲkãɲteɪ̃]	[ɲkɛɲteɪ̃]	[ɲteɛnsɪ̃]
/ɔpæjin/	- [ɔpæjɪ̃]	[ɔpæɲɪ̃]	[ɔpæɲɪ̃]
[amɔa]	- [boɲ]	[amona]/[amina]	[amona]

Yegyina asemfua so a, nsonsonoe yi na eda adi wɔ Akuapem ɔkasa nkorabata no mu.

Ofie	Akwamu	Kamena
[jɔ̀ɔ̀jɪ̃]	[á'fítìwá]	[òtɛ̀irém'fé]
[ɲèdùá]	[dzè́énédzè́éné d'íá]	[gbédègbédè]

1.10 Ɔkwan a mefaa so yɛɛ Nhwehwɛmu yi

Nhwehwɛmu yi kɔɔ so wɔ Ghana Apuei Mantam mu senea madi kan aka dedaw no, na mefaa saa mantam yi esiane se, kasa titiriw a wɔka wɔ hɔ ne Akuapem. Mantam yi mu no, mede amansin ahorow abien; Okuapeman ne Asuogyaman na edii dwuma. Okuapeman mansin mu no, nkurow a mede emu nnipa yɛɛ adwuma wɔ nhwehwɛmu yi mu ne Aburi, Tutu, Ɔbosomase, Mamfe, Amanɔkrom ne Akrɔpɔn.

Asuogyaman mansin mu no, meyɛɛ nhwehwɛmu no wɔ Akwamufie, Aboasa, Nnudu, Mpakadan, Senkye, Agyena, Adumasa ne Gyakiti. Saa nkurow yi na mede sii m’ani so esiane sɛ, nnipa a wɔtete hɔ de Akuapemfo kasa no na edi dwuma wɔ wɔn biribiara mu. Nnipa aduonu (20) a wɔakwadare wɔ Akuapem kasa mu na mede wɔn yɛɛ nhwehwɛmu yi. Wɔn mu du (10) yɛ mmea na du (10) nso yɛ mmarima. Okuapeman mansin mu no, mede mmea anum (5) ne mmarima abiesa (3) na ɛyɛɛ nhwehwɛmu no. Asuogyaman mansin mu no, mede mmea anum (5) ne mmarima asɔn (7) na ɛyɛɛ nhwehwɛmu no. Nnipa a mede wɔn dii dwuma no atena nkurow ahorow yi mu akyɛ, wɔn sukuuko, adwumaye nyinaa no, wɔyɛ no wɔ nkurow ahorow yi mu. Wɔn mfe beyɛ aduonu-anum de kosi aduosia-anum na Akuapem kasa no nkutoo na wɔde di dwuma a kasa foforo biara mfra mu. Ɔpon 1.1 de nnipa a mede wɔn yɛɛ nhwehwɛmu no nkyekyemu to gua.

Ɔpon. 1.1

	Ofie	Akwamu	Kamena	Dodow
Mmarima	3	4	3	10
Mmea	5	3	2	10
Dodow	8	7	5	20

Mede nkɔmmɔbɔ na enyaa me nhwɛso no bi. Mede afiri kyeree bi na ebi nso wɔ hɔ a, mede m’aso na etee. Mede ‘VN-702PC Olympus Digital Voice Recorder’ afiri na ɛkyeree nkɔmmɔbɔ biara a ɛkɔ so wɔ me ne ɔkasafɔ biara ntam. Sɛnea ɛbeyɛ na ɔkasafɔ no befi ne pɛ mu akasa a n’adwen nkɔ hwee so, na me nso menya nea merehwɛwe yiye nti, mamma ɔkasafɔ biara anhu sɛ merekyere nkɔmmɔbɔ no agu afiri so. Sɛ mekyere nsem no wie a, mesan bɔ wɔ afiri no so kyere wɔn, sɛ kwan wɔ wɔn hɔ ansa na mede

akɔ. Obiara maa me ho kwan sɛ metumi de akodi me dwuma no. Sɛ mewie a, mepɛ bere bɔ afiri no toatoa so tie baabi a ɛho ehia ma me dwumadi no. Mekyerew nsem no nyinaa gu nhoma mu na mayɛ ɛho nhwehwemu ahu nea esi wɔ kasa no mu. Nea mede m'aso te nso no, ntem pa ara na makyerew agu me nhoma mu. Me nhweso dodow no ara a minyae no fi nea mede afiri kyeree.

Okuapeman Mansin mu no, mekoɣɛɛ nhwehwemu no bere a wɔredi Odwira afahyɛ wɔ ɛbɔ bosom no mu. Eyi nti bere a minyaa akasafo ne wɔn twetwe nkɔmmɔ no ye anɔpa de kosi awia, bere a onwin atɔ mu. Minyaa me nsem no bi wɔ adetɔnfo hɔ, lɔɔre mu, fitafo mu ne ahyenkafo a wɔwɔ sitehyen. Asuogyaman mansin mu no, minyaa me nsem no bi wɔ lɔɔre mu, adetɔnfo hɔ, adɛpamfo hɔ ne sukuufo hɔ.

Esiane sɛ meye Okuapeni nti, megyina me nimdii a mewɔ wɔ kasa no mu so na aboa me wɔ dwumadi yi mu. Afei nhoma binom nso a ɛboaa me biara no, medaa ɔkyerewfo no adi.

1.11 Dwumadi yi Nhyehyɛ

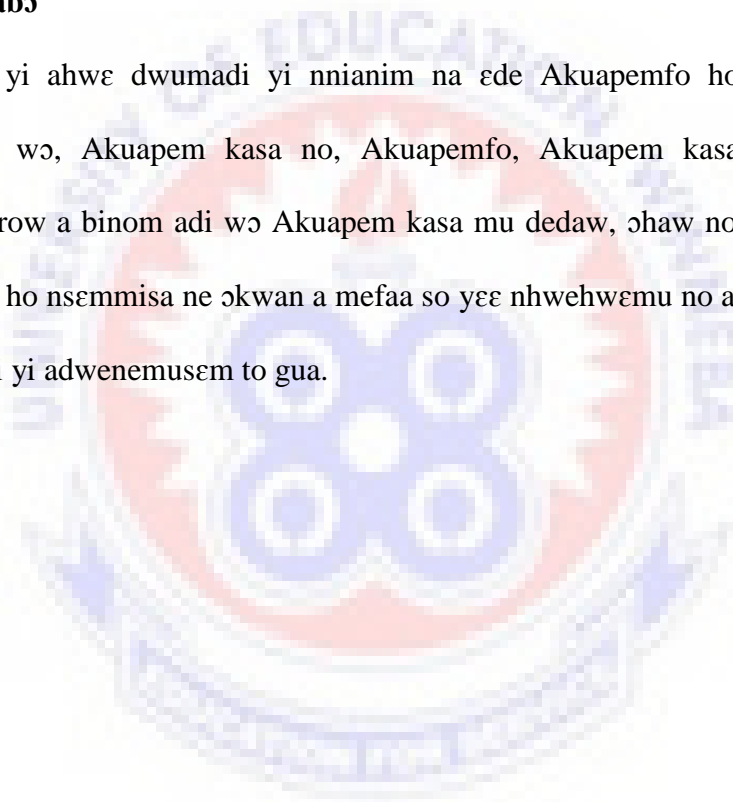
Dwumadi yi wɔ afaafa nsia. Ofa 1 de dwumadi yi nnianim, Akuapemfo ho abakɔsem, Akuapem kasa, beae a Akuapemfo wɔ, Akuapemfo, dwuma ahorow a binom adi wɔ Akuapem mu dedaw, dwumadi yi botae, dwumadi yi ho nsemmissa, Akuapem kasahorow nkyekyemu ne ɔkwan a mefaa so yɛɛ nhwehwemu yi ato gua.

Ofa 2 de dwumadi yi adwenemusem bɛto gua. ɛkasa fa nnyegyeyi ahosodi fɔnɔlɔgyi ne ahyensode nsensan ho. Ofa 3 kasa fa ɔmene akwan binom te sɛ hwemmɔ, dadamu-so-kɔ, baworo biakoyɛ, anofafa bata dadamu-so-kɔ ne dadamu-bɛtɛɛyɛ ho. Ofa 4 nso fa asensin nhyehyɛ ho. Saa ofa yi mu no, dwumadi no bi kɔ so wɔ ntotoho kwan so wɔ Akuapem

mu na ebi nso ye nea ekɔ so wɔ Akan kasa no nyinaa mu. Asensin nhyehyɛ binom a meka ho asem bi ne konsonante nhyemu, tuon fem, nnyegyeyi yera, konsonante mfofɔreso ntewso ne nnyegyeyi beaesesa. Ɔfa 5 hwɛ tuon dwumadi na ekasa fa tuon ne ɔdede nhyehyɛ ne daakye nsianim tuon ne adeyɛ tuon nhyehyɛ. Ɔfa 6 de dwumadi yi nyinaa tɔfabɔ ne adwenkyere to gua.

1.12 Muabɔ

Ɔfa yi ahwɛ dwumadi yi nnianim na ɛde Akuapemfo ho abakɔsem, beae a Akuapemfo wɔ, Akuapem kasa no, Akuapemfo, Akuapem kasahorow nkyekyemu, dwuma ahorow a binom adi wɔ Akuapem kasa mu dedaw, ɔhaw no, dwumadi yi boate, dwumadi yi ho nsemmissa ne ɔkwan a mefaa so yɛɛ nhwehwemu no ato gua. Ɔfa a etoa so de dwumadi yi adwenemusem to gua.



ƆFA ABIEN

DWUMADI YI HO ADWENEMUSEM

2.0 Nnianim

Ɔfa yi kasa fa dwumadi yi Adwenemusem ho. Nea edi kan no, mehwe Adwenemusem no Dwumadi Nhyehyekwan. Eno fi ho a, mede eho nkyerease ne tofabo befo gua. Nea etwa to no bekasa afa Ahyensode Nsensas ho.

2.1 Adwenemusem¹ no Dwumadi Nhyehyekwan²

Dwumadi yi botae ne se ebekyerekyerε fonolgyi akwan nsonsonoe a εwo Akuapem okasa nkorabata a εwo Akan mu. Dwumadi yi begyina Nnyegyeyi Ahosodi Fonolgyi a Goldsmith (1976) de too gua so. Mekyerε nokwasem a efa adwenemusem yi ho bi te se; tuon faako tim, tuon agyanka, ahyehye-yie nhyehyε/mmara ne ohye aforsan nhyehyε. Mede animdefo binom adwen a wokyere wo adwenemusem yi ho beboa. Bio, mesan ahwe Ahyensode Nsensas.

2.1.1 Nnyegyeyi Ahosodi Fonolgyi³

Eyi ye dwumadi bi a εma fonolgyi akwan bi te se tuon di ne ho so fi nnyegyeyi aba bi te se baworo anaa konsonante ho a kwan bi so no etumi nya nsunsuanso wo nnyegyeyi aba (baworo) yi so. Afe 1970 mu no, kasahonimdefo⁴ huu se mfii/mfefe fonolgyi antumi ankyere fonolgyi akwan nyinaa a etumi da adi wo okasa mu. Adwenemusem yi mu no, kwan a na wofa so kyerekyere nnyegyeyi aba bi mu ne se, wogyina akwaa a εboa nnyegyeyi ne ye mu so boaboa nnyegyeyi aba no nyinaa ko

ahyensode akuwakuw mu. Ahyensode soronko⁵ ye ahyensode⁶ a na ekyerɛkyere kwan a akuw a nnyegyeyi aba no wɔ mu tumi da nso fi ɔfoforo ho. '+' ne '-' ye agyiraehyede a na wɔde kyerekyere nnyegyeyi aba mu. Se nnyegyeyi aba bi wɔ agyiraehyede '+' a, ekyerɛ esu ne kuw a nnyegyeyi aba no fi mu. Saa ara nso na agyinaehyede '-' nso te.

Akyiri no, kasahonimdefo yee se wɔbɛpe sintɔ a na ewɔ fɔnɔlɔgyi dwumadi yi ho. Wohui wɔ adwenemusɛm yi mu se, nnyegyeyi bi nkyerekyeremu mu no, nnyegyeyeyɛ akwaa a eboa nnyegyeyi ne ye nyinaa tumi da adi nnidiso kwan so bere adwuma a dwɛedwɛewa no di de boa nnyegyeyi ne ye mu nka ho. Enam eyi so ma Goldsmith (1976) de nsusui a efa nnyegyeyi ahosodi fɔnɔlɔgyi ho betoo gua de kyere se, nnyegyeyi bi ye mu no, nnyegyeyeyɛ akwaa (tɛkrɛma, anofafa, dadamu ne dwɛedwɛewa) a eboa nnyegyeyi ne ye nyinaa di dwuma bere koro no mu ara. Ɔde nsusui yi kyerekyerɛɛ tuon mu de nanso, mprenpren kasahonimdefo atɛw adwenkyere/dwumadi yi mu akɔ fɔnɔlɔgyi fa bi te se, baworo biakoye, hwenemye, ahyensode nsensan ne nea eke ka ho.

2.1.1.1 Ahyehyɛ-yiye Nhyehyɛ

Leben (1973) de too gua se, tuon ne nnyegyeyi aba (baworo) biara wɔ mpempensode⁷ a dwɛedwɛewa kodu ne ye mu. Ogyinaa nsawɔso mmara so de hyehyɛ tuon ne nnyegyeyi aba. Adwen ne nsakrae titiriw a ewɔ Goldsmith (1976) nnyegyeyi ahosodi fɔnɔlɔgyi mu kyere se, tuon nsawɔso mmara nka tuon ne nnyegyeyi aba⁸ mpempensode mbom senea eɔda adi wɔ ase ha. Akuapem wɔ tuon ahorow abien, eyinom ne soro tuon (S) ne fam tuon (F). Efi ha kɔ no, mede 'F' begyina ho ama fam tuon na mede 'S' nso agyina ho ama soro tuon. Mede 'K' agyina ho ama konsonante ɛna mede 'B' nso agyina ho ama baworo nnyegyeyi.

Tuon mpempensode F S

Nnyegyeyi aba mpempensode KBKB

Eyi mu, εεε se ayɔnkofa nsensan bi ka tuon ne nnyegyeyi aba mpempensode no bom. Ayɔnkofa nsensan⁹ na εkyere senea dwεεdwεewa no ye wɔ baworo nnyegyeyi bi ye mu. Ewɔ mu se ayɔnkofa nsensan no ka mpempensode abien yi bom de nanso emu biara di ne ho so. Eyi εda adi wɔ ase ha.

Tuon mpempensode F S

Nnyegyeyi aba mpempensode KBKB

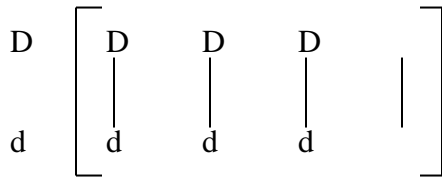
Ayɔnkofa nsensan a εka tuon ne nnyegyeyi aba mpempensode bom no wɔ nhyehyee a edi so de kyere se ahyehye yiye senea dwεεdwεewa no ye wɔ asemfua ne ka mu. Nhyehyee abiesa a ewɔ ase fi Goldsmith (1976:27) mu. Okyere se wɔ ahyehye-yiye nhyehyee/mmara mu no;

- i. Eεε se baworo biako biara a ewɔ asemfua no mu nya tuon biako ne no fa yɔnko.
- ii. Eεε se tuon biako biara nso nya baworo biako ne no fa yɔnko wɔ asemfua no mu.
- iii. Enni ho kwan se ayɔnkofa nsensan a εka tuon ne nnyegyeyi aba mpempensode bom no twitwa wɔn ho anan mu anaa εkeka bom.

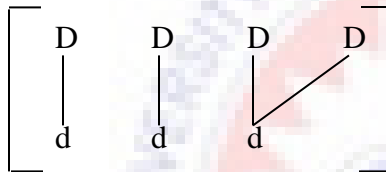
Goldsmith de nhyehyee/mmara abiesa yi too gua no, animdefo binom te se Durand (2014) nso kyereε se, ayɔnkofa nsensan no bi wɔ hɔ a etumi ka mpempensode (tuon anaa baworo) afoforo binom a εnka asemfua asennua ho bobom. Enam eyi so ma ɔde nsusui anan a ewɔ ase ha too gua. Nhyehyee/mmara a εtɔ so abiesa wɔ Goldsmith dwumadi mu no, adwenkyere biara a εfa adwenemusem yi ho di so pεpεpε.

Mede ‘D’ agyina hɔ ama tuon mpempensode, εna mede ‘d’ agyina hɔ ama nnyegyeyi aba mpempensode de aye nkyerekyere wɔ ahyehye-yiye nhyehyee/mmara yi mu.

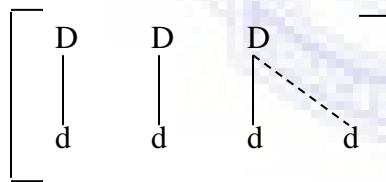
i. **Nsawɔso:** Eyi kyere sɛ, ɛsɛ sɛ baworo ne tuon biako biara fa yɔnko fi nifa kɔ benkum so kɔpem sɛ baworo anaa tuon a ɛwɔ asemfua no mu besa.



ii. Nhyehyee a ɛtɔ so abien kyere sɛ, sɛ nsawɔso nhyehyee yi di dwuma wie na tuon bi da hɔ kwa a enni ayɔnkofa biara a, tene ka nnyegyeyi aba a etwa to no ho. Eyi si bere a tuon no dɔɔso sen baworo a ɛwɔ asemfua no mu (van der Hulst ne Smith 1982).



iii. **Ntene:** Eyi kyere sɛ, sɛ nsawɔso nhyehyee no di dwuma wie na baworo bi da hɔ kwa a enni tuon ayɔnkofa biara a, tene tuon a etwa to kɔ baworo a aka no so. Eyi betumi akɔ so wɔ benkum anaa nifa fam. Eyi si bere a nnyegyeyi aba a ɛwɔ asemfua no mu dɔɔso sen tuon no.

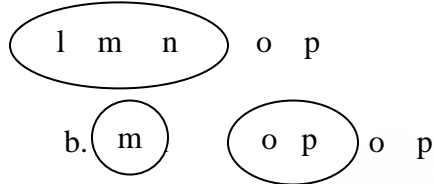


iv. Nhyehyee a ɛtɔ so anan no kyere sɛ, enni ho kwan sɛ ayɔnkofa nsensan no twitwa wɔn ho anan mu anaa ekeka bom.

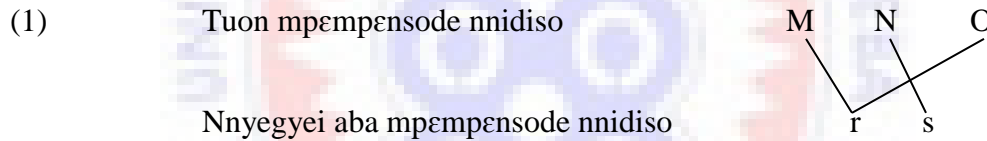
Ahosodi nnyegyeyi fɔnɔlɔgyi mmara mu no, ayɔnkofa nsensan a emu abubu kyere sɛ nnyegyeyi foforo bi abeka dedaw no ho (McCathy, 1988).

2.1.1.2 Ayankofa Nsengan ho Akwanside

Ahosodi nnyegyeyi fonologyi nhyehyee mu no, ese se tuon a ekyerekyere nnyegyeyi aba mu no ben ho. Yennyina nhyehyee a ewo ase ha yi so mfa nye ofa ketewa yi nkyerekyeremu.



(a) nhyehyee mu no, akyerewde a ewo kanko no mu nyinaa ben ho. (b) mu no, akyerewde a ewo kanko kuw abien no mu mmen ho. Yemfa no se yeanya nhyehyee bi te se (1). Mede ahyensode 'M', 'N', 'O' gyina ho see tuon mpempensode na mede 'r' ne 's' nso gyina ho see nnyegyeyi aba (tuon soafo).



Eyi mu, ayankofa nhyehyee kuw abien na ebetumi afi eyi mu aba. Yegyina tuon mpempensode nnidiso so a, kuw a ewo (2) mu na ebepue, na yegyina nnyegyeyi aba mpempensode nnidiso so a, kuw a ewo (3) mu na ebepue.

(2) ne (3) kyere tuon ne nnyegyeyi aba ayankofa a ebepue afi (1) mu.

(2) (M, r) (N, s) (O, r)

(3) (M, r) (O, r) (N, s)

(1) nhyehyee mu no, 'r' ye nnyegyeyi aba a edi kan na ekyere se, ese se ene tuon aba a edi kan fa yanko. Senea eda adi wo (2) mu no, ewo tuon ayankofa abien (M, r) ne (O, r) nanso kuw abien yi mmen ho wo tuon mpempensode nnidiso no so. (3) nhyehyee mu no, (M, r) ne (O, r) ben ho. Eyi kyere se, ese se tuon mpempensode M ne O ben ho nanso

emmen ho wɔ (1) mu. Eyi nti ekɔba se ayɔnkofa nsensan no twitwa wɔn ho anan mu de kyerekyerɛ ayɔnkofa a ɛwɔ mpɛmpɛnsode (tuon ne baworo) mu sɛnea ɛda adi wɔ (1) mu a, ɛto mmara wɔ ahosodi nnyegyeyi fɔnɔlɔgyi ahyyehye-yie nhyehyee/mmara mu.

2.1.1.3 Aforosan ɔhyɛ Nhyehyɛ¹⁰

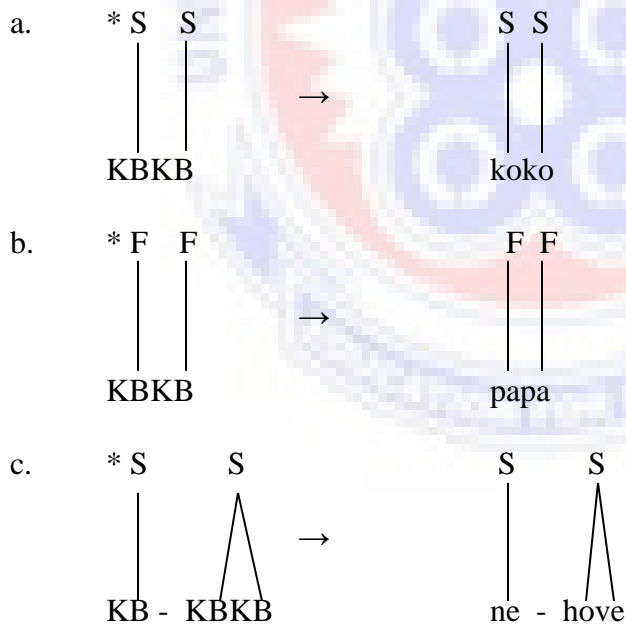
Aforosan ɔhyɛ nhyehyɛ kyere se, eye mmarato ma tuon mpɛmpɛnsode a ɛse se ɛben ho wɔ asemfua/ɔkasamu mu. Eyi nti tuon nhyehyɛ a ɛda no adi ye mforoe anaa nsanee. Nokwasem a ɛwɔ nnyegyeyi (tuon) a ɛse na enni ho kwan se ɛben ho wɔ kasammara mu dii kan daa adi wɔ tuon kasa mu (Leben 1973). Leben hwɛɛ Mende a eye tuon kasa wɔ Mende a ɛwɔ Sierra Leon. ɛdaa adi se, nsawɔso mmara/nhyehyɛ ma tuon nhyehyɛ ahorow anum da adi wɔ kasa no mu. Eyi ne tuon nhyehyɛ a ɛwɔ Mende edin mu.

Tuon	Asemfua	Akan	Asemfua	Akan
S	kɔ	‘onipa’	pɛlé	‘ofie’
F	kpà	‘eka’	bɛ̀lɛ̀	‘ataare’
SF	mbû	‘ɔpatu’	kényà	‘wɔfa’
FS	mbǎ	‘ɔmo’	nìkǎ	‘nantwi’
FSF	mbǎ̀	‘ɔboafɔ’	nìkǎ̀lì	‘nkate’

Enna adi se Mende wɔ tuon nhyehyɛ SSF anaa FFS wɔ edin mu mmom, nkyerekyerɛmu ne se, se S beyɛ SS, FS beyɛ FSS, F beyɛ FF na SF beyɛ SFF a, efi tuon ntene mu. Nsemfua a baworo a ɛwɔ mu dɔɔso sen tuon no, tuon a etwa to no na ɛtene kɔ baworo a aka wɔ asemfua no mu nyinaa so. Se tuon bi enne ye pɛ na ɛben ho a, ɛkyere se efi nifa tene so a edi dwuma sɛnea tuon ahorow yi nyinaa da no adi no. Onipa a odii kan

kyereɛ akwanside a ɛwɔ ahyensode (tuon ne ahyensode foforo) a ɛyɛ pɛ na ɛben ho wɔ kasahonimdii mu ne Leben. Eyi dii kan puee wɔ ne dwumadi a ɔtoo ne din, ntɔso nnyegyeyi fɔnɔlɔgyi¹¹ mu.

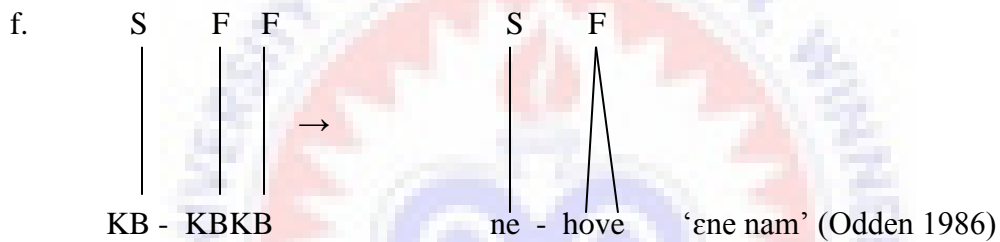
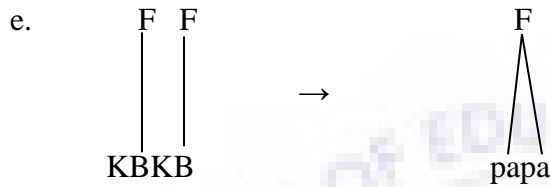
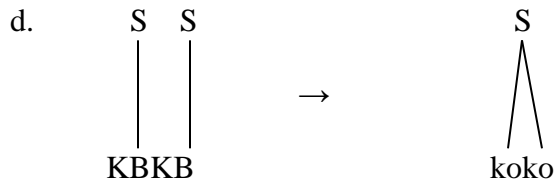
Nsusui ne adwenkyere titiriw a ɛdaa adi wɔ aforosan ɔhyɛ nhyehyɛe/mmara mu kɔɔ so wɔ nnyegyeyi ahosodi fɔnɔlɔgyi dwumadi mu. Nnyegyeyi ahosodi fɔnɔlɔgyi buee kwan foforo a na wɔmmfa nhwe tuon biako a etumi ne nnyegyeyi aba biako nya ayɔnkofa mmom tuon ne nnyegyeyi aba a ɛboro biako a edidi so nya ayɔnkofa. Ɛwɔ mu sɛ Leben dii kan daa adwenkyere yi adi wɔ tuon kasa mu de nanso Goldsmith na odii kan de aforosan ɔhyɛ nhyehyɛe edin yi dii dwuma. Ɔdaa no adi wɔ Goldsmith (1976: 36) mu sɛ, ɛsɛ sɛ tuon mpɛmpɛnsode abien biara a ɛben ho wɔ kasammara mu no, da nso fi ɔfoforo ho. Eyi nti ɛyɛ mmarrato ma nea ɛwɔ ase ha yi sɛ ebesi wɔ nnyegyeyi ahosodi fɔnɔlɔgyi mu.



Mmom nhyehyɛe yi gye nea ɛwɔ ase ha to mu wɔ nnyegyeyi ahosodi fɔnɔlɔgyi mu.

(c) mu no, sɛ mpo mɔɔfem bi wɔ ne tuon dedaw (S) na ehyia asemfua a ne tuon nhyehyɛe

yɛ SS a, asemfua no mu S no besesa ayɛ F sɛnea ebedi nhyehyɛ yi so sɛnea ɛda adi wɔ (f) mu no.



Aforosan ɔhyɛ nhyehyɛ a wɔkyɛrɛ sɛ ɛyɛ amansan (esi wɔ wiase kasa biara mu) nyinaa de yɛ ade a ɛde wantwiwantwi aba (hwɛ Yip, 1988).

2.1.1.4 Tuon Faako tim¹²

Ahosodi nnyegyeyi fɔnɔlɔgyi mu no, ehu tuon ahyɛnsode no sɛ ɛyɛ aba a etumi di ne ho so fi nnyegyeyi aba (baworo anaa konsonante) n'ankasa ho. Ɔkasa mu no, esiane sɛ su ahyɛnsode a ekyerɛkyɛrɛ nnyegyeyi aba bi mu ka ho nti, sɛ nnyegyeyi aba no yera a, ɛne su ahyɛnsode no nyinaa yera. Tuon kasa mu no ɛkɔba sɛ fɔnɔlɔgyi mmara bi si na baworo bi yera a, ne tuon a ɛsoa no nnyera mmom etim faako na etumi nya nsunsuanso anaa ɛkɔtɔ baworo foforo a ɛbɛn no so. Eyi na Goldsmith (1976) frɛ no se, tuon faako tim.

Esiane sɛ adwenemusem (nnyegyeyi ahosodi fɔnɔlɔgyi) yi hu tuon aba sɛ etumi di ne ho so na ɛnka ahyɛnsode a nnyegyeyi aba n'ankasa wɔ ho nti, na sɛ tuon soafo (baworo)

no yera a ne tuon aba nyera bi no. Enam eyi so nti na baworo (soafo) biako tumi soa tuon abien ma yenya nsanee anaa mforoe no. Se tuon no ka na annya baworo biara ankoto so a, nea ebetumi aye ara ne se ebeye agyanka. Nhweso (4) a ewo ase ha mu no, bere a baworo /o/ yeraa wo edin [ofie] mu no, ne tuon no anyera, mmom nsunsuanso a enyaa wo S a etoa ne so ne se, atwe ne peekye aba fam. Afei nhweso (5) mu no, S a edi kan no atow ahye F tuon a ehye won ntam no so ayi afi ho na F no nso atwe S a eto so abien peekye aba fam. Nteamude agyinaehyede [!] yi kyere se, S a eto so abien peekye wo fam sen nea edi kan no.

Nhweso

4. mɪ òfié → mí 'fié

5. mɪ òsú → mí n' sù

a

S	F	S	S	F	S
mɪ	o	f	i	e	mɪ nsu

b.

S	F	S	S	F	S
mɪ	o	f	i	e	mɪ nsu

c.

S	F	S
mɪ	o	nsu

[mí 'fié]

[mín' sù]

Mede adwenemusem yi hwɛɛ tuon dwuma wɔ ɔfa anum (5) mu.

2.2 Ahyensode Nsensan

Ɛyɛ adwenemusem bi a egyina akwaa a ɛboa nnyegyeyi (konsonante ne baworo) bi yɛ so aboaboa nnyegyeyi a ɛwɔ su biako nyinaa akɔ ahyensode (kuw) biako mu, na ahyehyɛ no nnidiso nnidiso.

2.2.1 Nnyegyeyi Beae Ahyensode

Nnyegyeyi beae ahyensode dan fi ɔkwan a na Nnyegyeyi Nhyehyɛ wɔ Borɔfo kasa (Chomsky ne Halle 1968) fa so kyekyɛ nnyegyeyi mu. Sɛ nnyegyeyi bi yɛ [+se-akyi] a, nea ɛnyɛ se-akyi nyinaa nso yɛ [-se-akyi]. Wɔ nnyegyeyi beae ahyensode mu no, egyina BEAE a akwaa no boa ma nnyegyeyi bi yɛ kɔ so pɛ so. Enti sɛ nnyegyeyi bi yɛ [se-akyi] a, saa ahyensode yi pɛ na ɛkyerɛkyerɛ se-akyi nnyegyeyi nyinaa mu. Nea ɛnyɛ se-akyi nso nya ahyensode foforo mmom, ɛnyɛ [+se-akyi] anaa [-se-akyi] sɛnea Chomsky ne Halle 1968 fa so kyere nnyegyeyi bi mu no. Nnyegyeyi beae ahyensode mu no, egyina beae a anom akwaa (ahokeka ne ankekaneho akwaa) no nya ayɔnkofa so akyekyɛ nnyegyeyi no mu akɔ akuw abiesɛ mu ANOFABA, SE-AKYI ne DADAMU-BETɛɛ. Akyerɛwde no yɛ akɛsɛ efisɛ baworo ne konsonante hyɛ kuw biara mu.

ANOFABA¹⁴ yɛ su ahyensode a egyina hɔ ma nnyegyeyi (konsonante) a ne yɛ mu akwaa a edi akoten yɛ anofa no mu biako. Anofafa konsonante [m, p, b], anobatase konsonante [f] ne anofafa bata dadamu-betɛɛ konsonante [w] na ɛwɔ kuw ahyensode yi mu.

SE-AKYI¹⁵ yɛ su ahyɛnsode a egyina hɔ ma nnyegyeyi (konsonante) a ne yɛ mu tɛkrɛma no ma so fi beae a ɛda wɔ anom no mu kɔ soro. Se-akyi konsonante [n, t, d, s, r], dadamu-denden ne se-akyi konsonante [tɛ, dz, ɛ] ne dadamu konsonante [j] na ɛwɔ kuw ahyɛnsode yi mu. SE-AKYI ahyɛnsode no wɔ nkyekyɛmu abien, ‘akyi’ ne ‘anim’. Anim¹⁶ yɛ ahyɛnsode a ɛhyɛ SE-AKYI n’ase. Ɛho hia bere a yɛkyere nsonsonoe a ɛwɔ SE-AKYI nnyegyeyi mu. Ɛyɛ nnyegyeyi a wɔyɛ no wɔ dadamu-denden anim. Se-akyi konsonante [n, t, d, s, r] yɛ ‘anim’ ɛna ‘akyi’ konsonante nso yɛ dadamu-denden [tɛ, dz, ɛ] ne dadamu konsonante [j].

DADAMU-BƐTƐƐ¹⁷ yɛ su ahyɛnsode a egyina hɔ ma nnyegyeyi a ne yɛ mu tɛkrɛma n’akyi twe kɔ dadamu-bɛtɛɛ beae hɔ. Dadamu-bɛtɛɛ konsonante yinon ne [k, g]. Ahyɛnsode yi taa ka konsonante ho asem nanso baworo nso wɔ nnyegyeyeyɛ beae ahyɛnsode a egyina tɛkrɛma so.

2.2.1.1 Baworo Beae Ahyɛnsode¹⁸

Akwaa abien a ɛboa baworo nnyegyeyi yɛ yɛ tɛkrɛma ne anofafa nanso nea ɛho hia titiriw wɔ baworo yɛ mu ne tɛkrɛma (Andrew et al. 2009). Baworo nnyegyeyi yɛ mu no, tɛkrɛma ne fa biara wɔ beae a ɛboa wɔ nnyegyeyi ne yɛ mu. Baworo beae ahyɛnsode gyina tɛkrɛma ne fa a yɛde yɛ nnyegyeyi so akyekyɛ baworo no akɔ ANOFABA, SE-AKYI ne DADAMU-BƐTƐƐ mu (hwe McCarthy, 1988; Odden, 1991; ne Halle et al., 2000).

ANOFABA yɛ su ahyɛnsode a egyina hɔ ma baworo a ne yɛ mu anofafa no puw yɛ kurkuruwa. Eyinom ne [u, ʊ, o, ɔ]. SE-AKYI yɛ su ahyɛnsode a egyina hɔ ma baworo a ne yɛ mu tɛkrɛma n’anim anaa ano twe kɔ anofafa beae hɔ. Eyinom ne [i, ɪ, e, ɛ].

DADAMU-BETEE ye su ahyensode a egyina ho ma baworo nnyegyeyi a ne ye mu tekrema n'akyi puw ko dadamu-betee beae ho. Eynom ne [u, ɔ, o, ɔ]. Akan kurukuruwa baworo nyinaa san ye dadamu-betee (Abakah, 2005, 2012).

Ɔpon 2.1 Baworo Nhyeepon Ahyensode

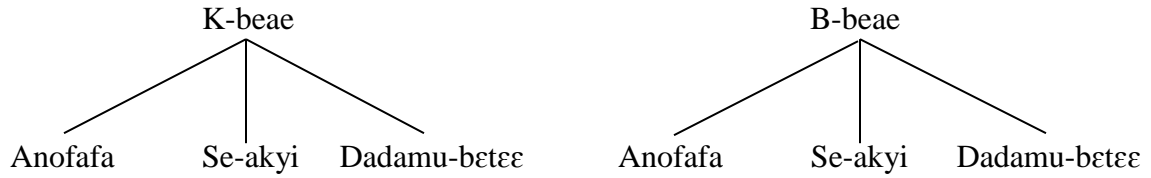
	i	ĩ	ɪ	ĩ	u	ũ	ɔ	ũ	e	ɛ	o	ɔ	a	ã	æ	æ̃
Kan	+	+	-	-	+	+	-	-	+	-	+	-	-	-	+	+
Soro	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Fam	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+
Akyi	-	-	-	-	+	+	+	+	-	-	+	+	-	-	-	-
Hwenem	-	+	-	+	-	+	-	+	-	-	-	-	-	+	-	+

(Hwe Abakah 2013b:13)

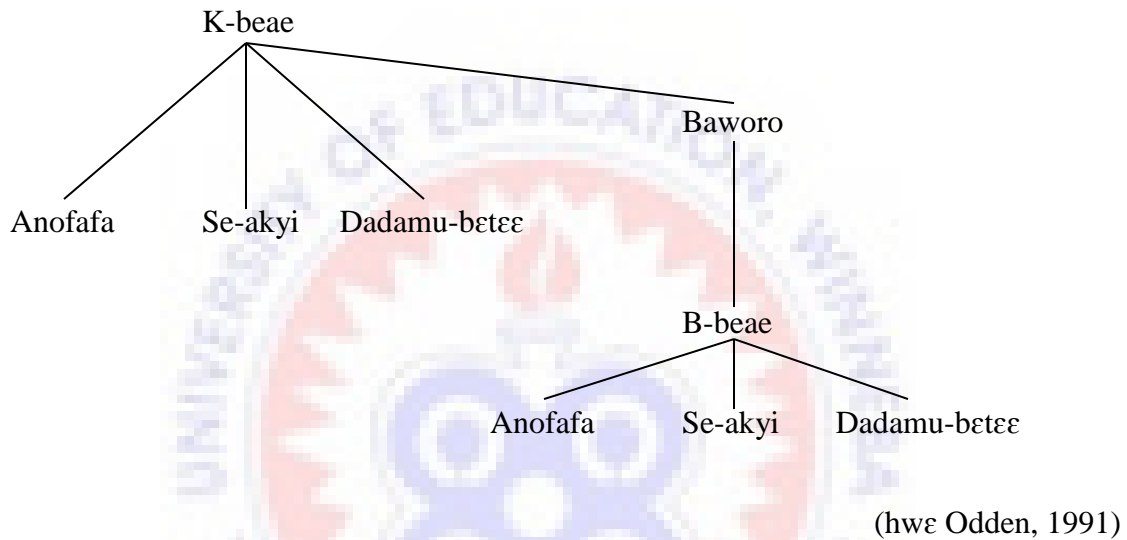
Ahyensode '+' ne '-' kyere su a saa baworo no wo.

2.2.2 Nkorabata Agyinae

Ahyensode nsensan mu no, nnyegyeye beae ahyensode biara wo ne nkorabata agyinae, se edi dwuma se konsonante beae anaa baworo beae ahyensode. Konsonante beae ahyensode no hye konsonante nkorabata agyinae n'ase, na baworo beae ahyensode nso hye baworo nkorabata agyinae n'ase. Eyi da adi wo ase ha. Mede K-beae gyina ho ma konsonante nnyegyeye beae enna B-beae nso gyina ho ma baworo nnyegyeye beae.



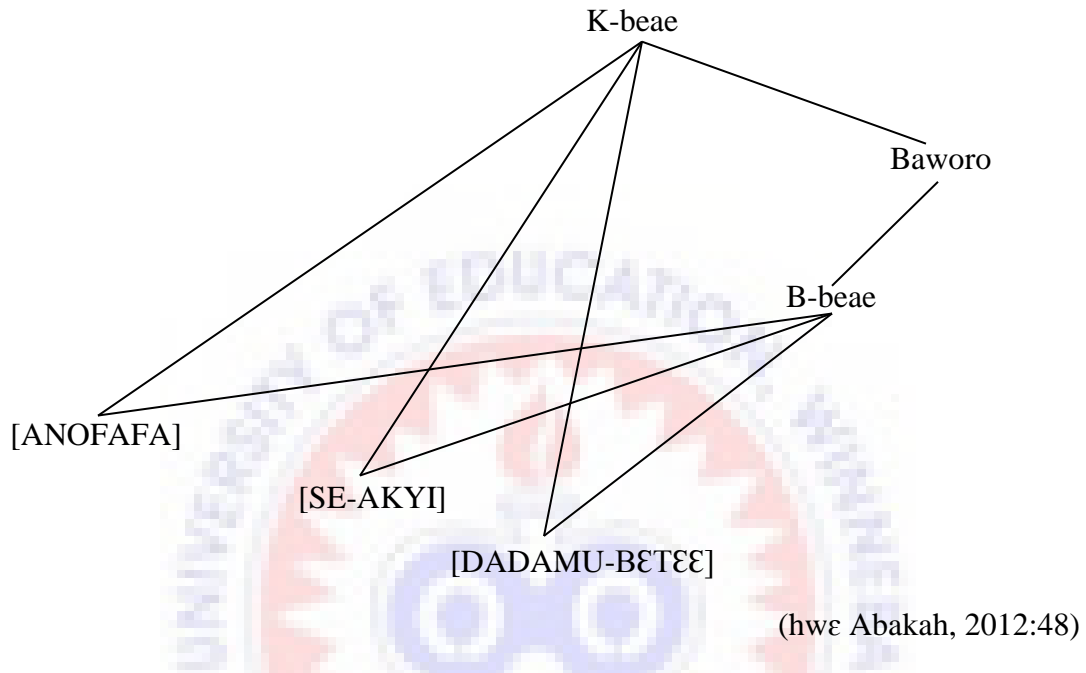
Halle et al. (2000) kyere mu se, B-beae nkorabata agyinae no hye K-beae nkorabata agyinae n'ase. Eyi ma yen mfonni a ewo ase ha.



Nhwesode yi mu no, Anofafa a ewo K-beae nkorabata agyinae no ye bere a anofafa no ka bom, na nea ewo B-beae nkorabata agyinae no ye bere a anofafa no puw ye kurukuruwa. Se-akyi a ewo K-beae no ye bere a tekrema no ma so ko soro ne beae a ewo anom soro di ahyia, na se-akyi a ewo B-beae nso ye bere a tekrema n'ano twe ko n'anim. Dadamu-betee a ewo K-beae nkorabata no ye bere a yeye nnyegyeyi no wo dadamu-betee beae ho. Dadamu-betee a ewo B-beae mu nso ye bere a tekrema n'akyi puw ko dadamu-betee beae ho wo baworo ne ye mu.

Ahyensode Nkabom Adwenemus¹⁹ senea eda adi wo Halle et al. (2000) mu no, nnyegyeyeyi beae ahyensode biako biara gyina ho ma konsonante ne baworo nnyegyeyi ahorow no nyinaa. Eyi mu no, anofafa konsonante ne kurukuruwa baworo ka bom ye

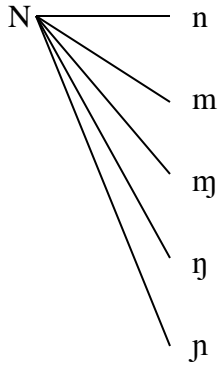
ahyensode ANOFAFA. Se-akyi konsonante ne anim baworo nso ka bom ye ahyensode SE-AKYI, na dadamu-betee konsonante ne dadamu-betee (kurukuruwa) baworo ka bom ye ahyensode DADAMU-BETEE.



2.2.3 Ntenee

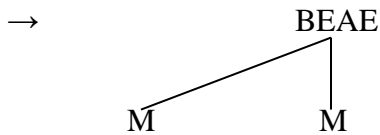
Ahyensode nsensan mu no, ahyensode no bi tumi tene won nnyegyeyee beae ahyensode [ANOFAFA], [SE-AKYI] ne [DADAMU-BETEE] ma esesa nnyegyeyee bi ne ka mu. Eyi di dwuma omene kwan so. Akan mu no, daabi moofem /n/ betumi aye /n, ŋ, m, ŋ, ɲ/ bere a egyina nnyegyeyee beae a ewo konsonante a ewo adeye no mu so.

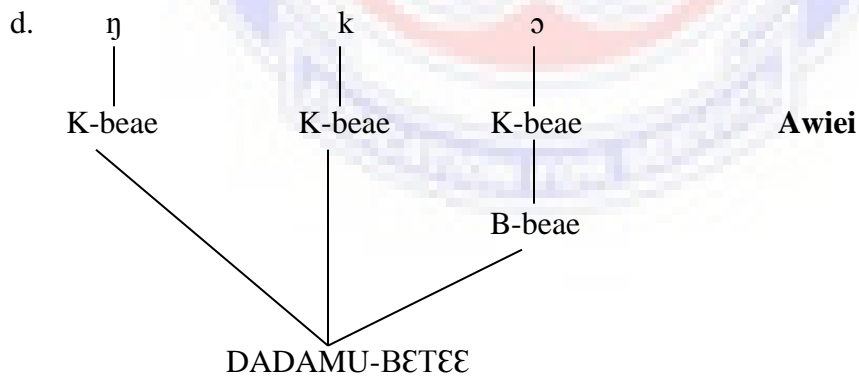
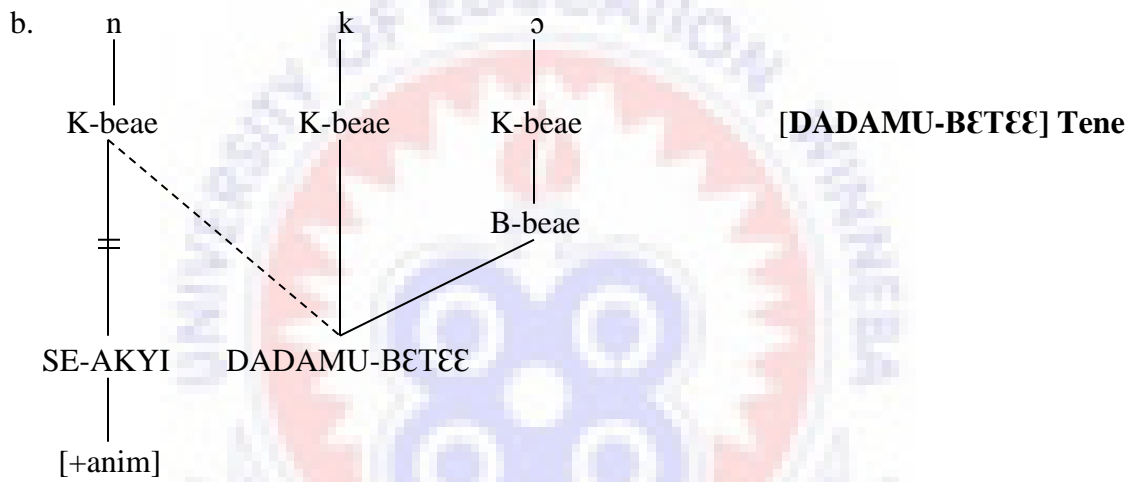
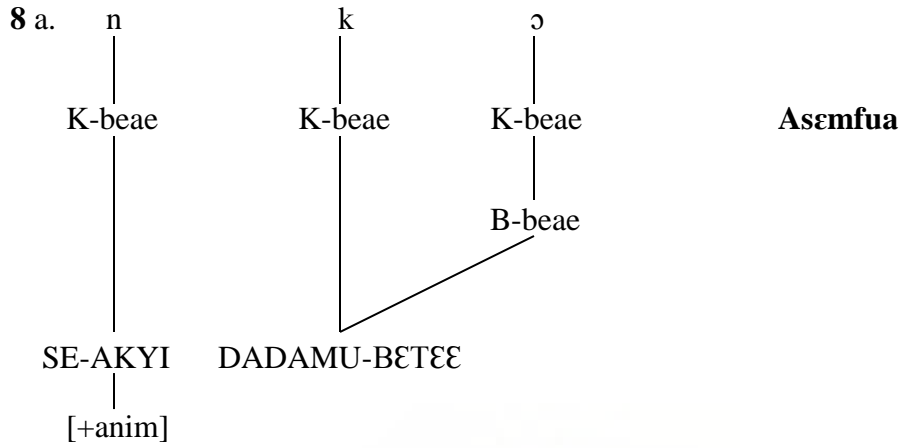
Se ebia;

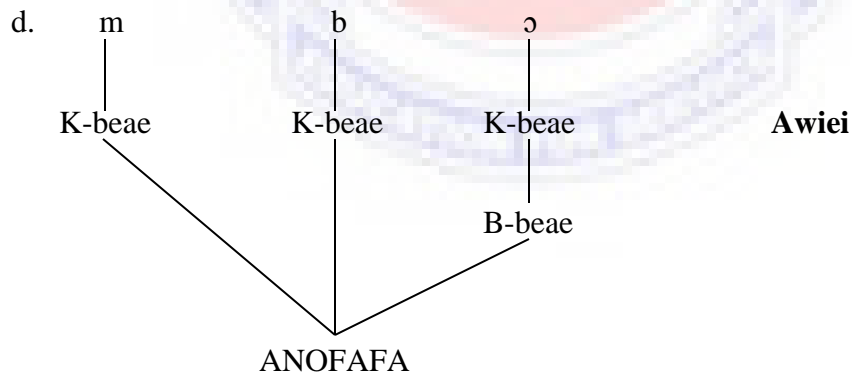
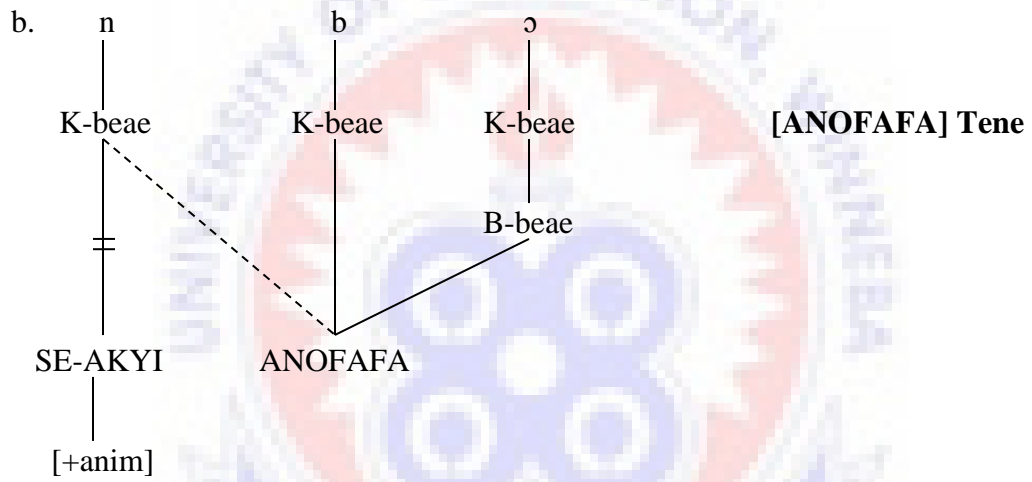
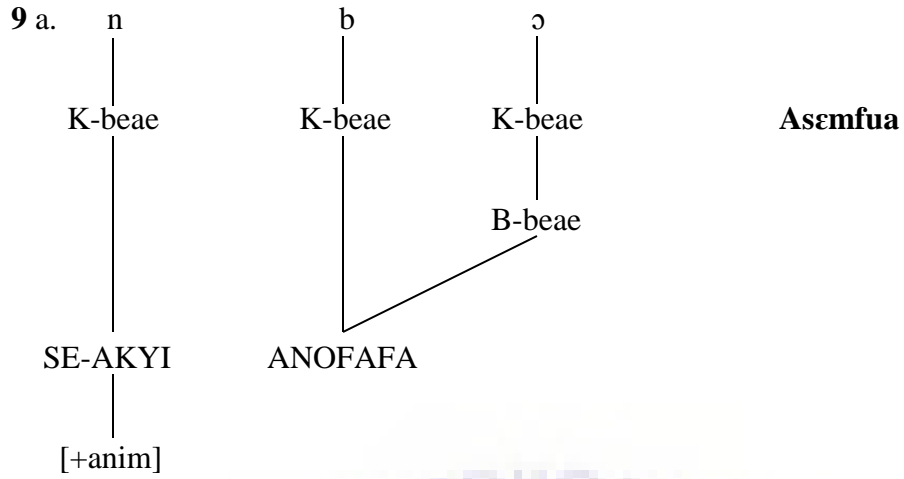


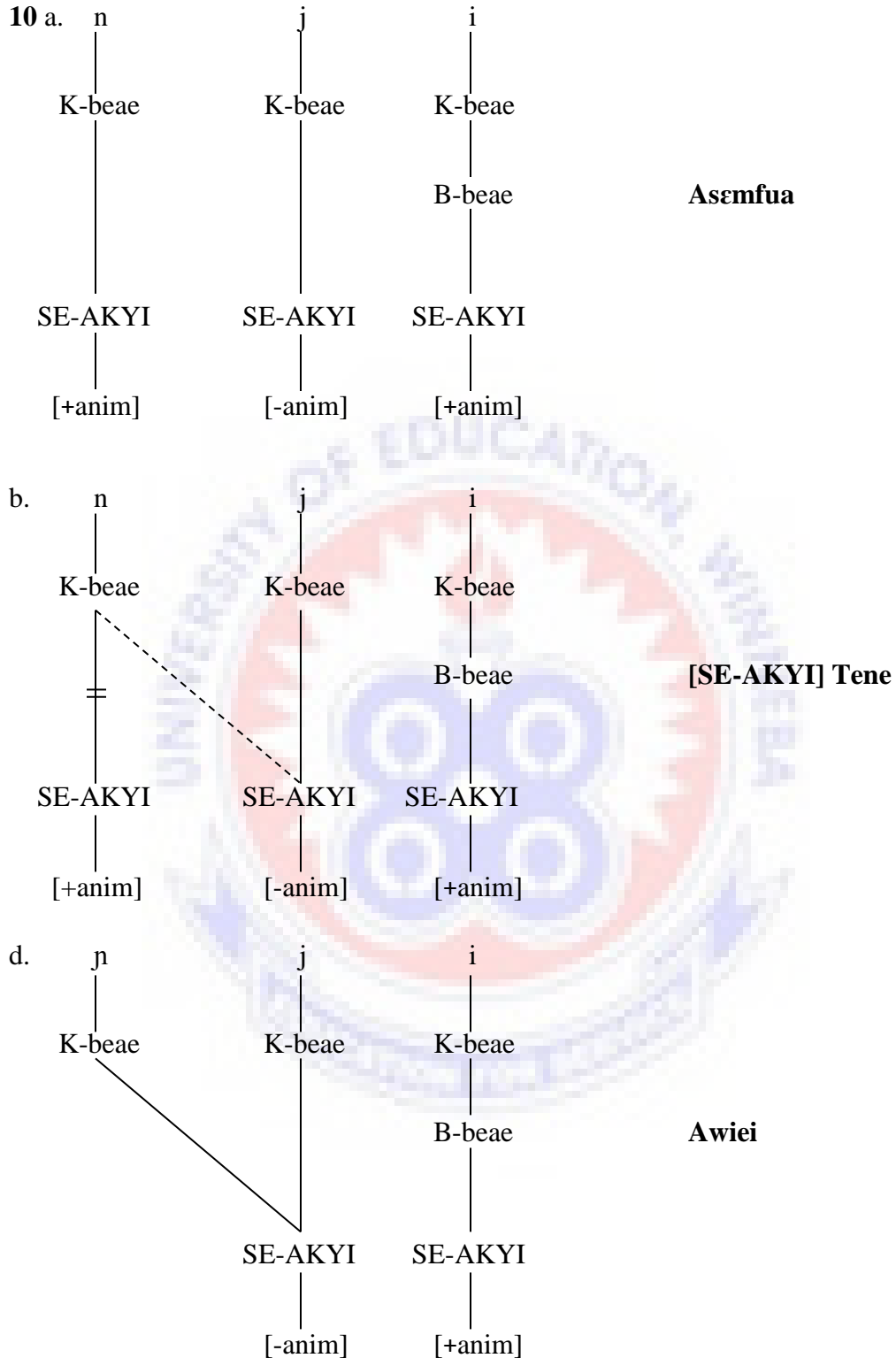
Daabi mɔɔfem		Adeye	Asemfua
n	→	ŋ	ŋkɔ
n	→	ŋ	ŋfa
n	→	m	mbɔ
n	→	n	ntu
n	→	ɲ	ɲji

Yehwe ɔmene kwan a ɛwɔ asemfua no mu a, daabi mɔɔfem no ne konsonante a ɛwɔ adeye no mu sae wɔ nnyegyeyɛ beae mu. Nea enti a daabi mɔɔfem no sesa ne se, konsonante a ɛwɔ adeye n'ahyease nnyegyeyi BEAE ahyensode na ɛtene kɔ daabi mɔɔfem no so senea eda adi wɔ ase ha yi. Mede 'M' gyina hɔ se nnyegyeyi aba.







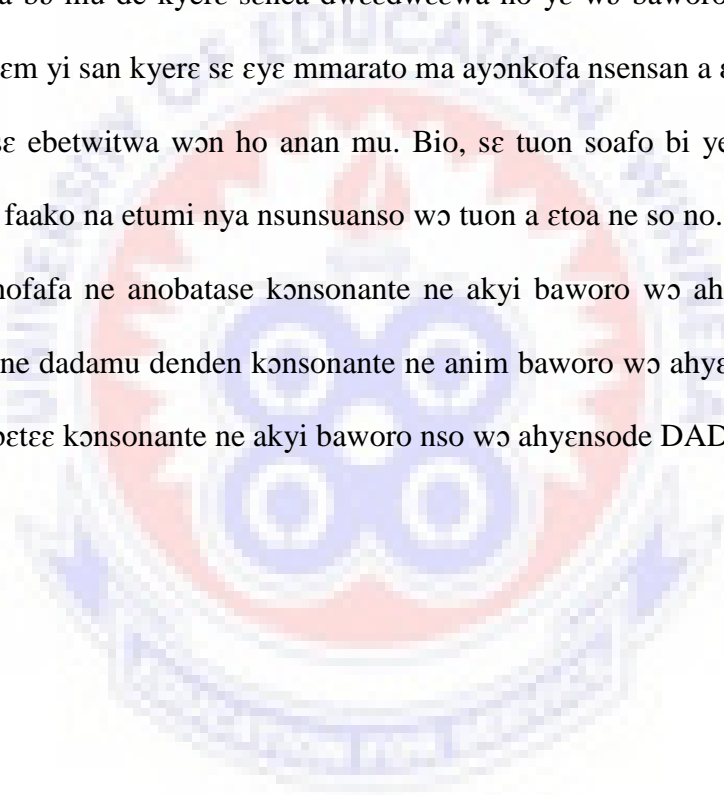


Omene kwan yi so no, enye konsonante nnyegyeyi aba no na etene mmom eye konsonante ne BEAE ahyensode no.

Mede adwenemusem yi hwɛɛ ɔmene akwan binom wɔ ɔfa abiɛsa (3) mu.

2.3 Muabɔ

Ɔfa yi akasa afa dwumadi yi adwenemusem a ɛyɛ Ahosodi Nnyegyeyi ne Ahyɛnsode Nsensan ho. Akyerɛ sɛ ahosodi nnyegyeyi yɛ adwenemusem bi a ɛkyerɛ sɛ tuon mpɛmpɛnsode di ne so fi nnyegyeyi aba ho na ɛyɛ ayɔnkofa nsensan na ɛka tuon ne nnyegyeyi aba bɔ mu de kyere sɛnea dwɛɛdwɛɛwa no yɛ wɔ baworo nnyegyeyi bi yɛ mu. Adwenemusem yi san kyere sɛ ɛyɛ mmarato ma ayɔnkofa nsensan a ɛka tuon ne nnyegyeyi aba bɔ mu sɛ ebetwitwa wɔn ho anan mu. Bio, sɛ tuon soafo bi yera a ne tuon nnyera mmom etim faako na etumi nya nsunsuanso wɔ tuon a ɛtoa ne so no. Ahyɛnsode Nsensan akyerɛ sɛ anofafa ne anobatase kɔnsonante ne akyi baworo wɔ ahyɛnsode ANOFafa mu, se-akyi ne dadamu denden kɔnsonante ne anim baworo wɔ ahyɛnsode SE-AKYI mu na dadamu-betɛɛ kɔnsonante ne akyi baworo nso wɔ ahyɛnsode DADAMU-BETɛɛ mu.



ƆFA ABIƆSA

ƆMENE AKWAN BINOM WƆ AKUAPEM MU

3.0 Nnianim

Ɔfa yi da Ɔmene akwan ahorow binom a ƆwƆ Akuapem mu adi. Ɖbekasa afa HwemmƆ, Dadamu-so-kƆ, Anofafa bata Dadamu-so-kƆ, Baworo Biakoye ne Dadamu Beteeye ho. Ɔfa 3.1 behwe Baworo Dwumadi aniso wƆ Akuapem mu. Ɔfa yi dwumadi bekƆ so wƆ ntotoho kwan so wƆ Akuapem mu.

3.1 Baworo Dwumadi Anisohwe

Eyi kyere baabi pƆtee a baworo tumi hye wƆ asemfua bi nhyehye mu. Akan mu no, baworo tumi hye asemfua;

- a. Mfitiase/Anim
- b. Mfinimfini
- c. Awiei/to

Ɔpon 3.1.1 Beae a Baworo tumi hye

Baworo	Asemfua	Asemfua	Asemfua
	Anim	Mfinimfini	Akyi
/i/	-----	[ofie]	[tɪ]
/ĩ/	-----	[æpĩfĩ]	[fĩ]
/ĩ/	-----	[sĩsĩ]	[sĩ]
/ɪ/	-----	[asɪw]	[kesɪ]
/u/	-----	[æbɪfɪw]	[pesu]
/ũ/	-----	[sũsũ]	[sũ]
/ɔ/	-----	[ɔbɔsɔm]	[fɔrɔ]
/ũ/	-----	-----	[kũ]
/e/	[epɪwɪŋ]	[opete]	[dede]
/ɛ/	[ɛbɔ]	[abɛŋ]	[abɛ]
/o/	[opete]	[kofi]	[bonto]
/ɔ/	[ɔkɔtɔ]	[ɔkɔrɪ]	[sɔsɔw]
/a/	[apata]	[ɔzata]	[asɛmfua]
/ã/	[ãmpa]	[kãkã]	[kã]
/æ/	[æñĩ]	[kwædu]	[kæ]

Soro baworo /i, ɪ, u, ɔ/ mu biara nni hɔ a etumi hye asemfua ase wɔ Akuapem mu. Fante mu no soro anim baworo /i/ ne /ɪ/ tumi hye asemfua ase (Dolphyne, 2006).

Akan (Akuapem ne Asante) mu no, asemfua biara nni hɔ a soro akyi baworo /u/ ne /ɔ/ tumi hye ase. Ɛtɔ mmere bi a, baworo yi tumi hye asemfua ase wɔ Akuapem mu bere a asemfua no rekyere ɔdede anaa adeye kasasin mu.

Ène sɛ, ɔdede nhyehyɛ mu sɛ Edin Kasasin a edi kan (EDK₁) yɛ biakofo edinnsiananmu a ɛtɔ so abien [wɔ] na ɛbata Edin Kasasin a ɛtɔ so abien (EDK₂) a ɛyɛ edin asemfua ho a, mpen pii wɔ ne ka mu no Akwamu/Kamena nka konsonante a ɛwɔ edinnsiananmu no mu, mmom mpen pii ne ka mu no wɔka kurukuruwa baworo [ɔ] no nkutoo. Sɛ eyi betumi asi a, gye sɛ konsonante di asemfua (adeyɛ anaa edin asemfua) a ɛtɔ so abien ne kan.

Yɛnhwɛ ɛho nhwɛso wɔ ase ha.

11.	Asemfua	Ofie	Akwamu/Kamena
i.	[wɔ] + [naɲ]	- [wɔ naɲ]	[ɔ naɲ]
ii.	[wɔ] + [mu]	- [wu mu]	[u mu]
iii.	[wɔ] + [ti]	- [wu ti]	[u ti]
iv.	[wɔ] + [bo]	- [wɔ bo]	[ɔ bo]
v.	[wɔ] + [ɛburo]	- [wɛɛburo]	[wɛɛburo]
vi.	[wɔ] + [akokɔ]	- [waakokɔ]	[waakokɔ]

Eda adi nhwɛso (11) mu sɛ, asemfua ne ka mu no, anofafa bata dadamu-bɛtɛɛ konsonante [w] no mpue nhwɛso (11 i - iv) wɔ Akwamu/Kamena mu, bere epue Ofie mu. Nhwɛso (11 v, vi) mu no, esiane sɛ baworo hyɛ edin asemfua no ase nti konsonante no pue ne ka mu wɔ Akuapem kasa nyinaa mu. Afei nso baworo a ɛwɔ edinnsiananmu mu ne baworo a ɛwɔ edin asemfua mu sae wɔ [+/-Kan] biakoyɛ mu.

Bio, sɛ edinnsiananmu ne adeyɛ hyia na edi dwuma sɛ adeyɛ kasasin a, anofafa bata dadamu-bɛtɛɛ konsonante [w] no mpue asemfua ne ka mu. Eyi mu nso no, ɛsɛ sɛ konsonante di adeyɛ no kan. Sɛ edinnsiananmu ne adeyɛ hyia a, yɛkyerɛw bom. Yɛnhwɛ ɛho nhwɛso wɔ ase ha.

12.	Asemfua	Ofie	Akwamu/Kamena
i.	[wɔ] + [bɔ] -	[wɔbɔ]	[ɔbɔ]
ii.	[wɔ] + [tu] -	[wutu]	[utu]
iii.	[wɔ] + [eɛ] -	[wɔeɛ]	[ɔeɛ]
iv.	[wɔ] + [ji] -	[wɔji]	[uji]

3.2 ɔmene

Ɔkasa mu etɔ mmere bi a, baworo anaa konsonante tumi hye ɔfoforo ma ne ye anaa su a ewɔ dedaw no sesa. Roach (1991) se, ɔmene nye ade a bere biara esi keke mmom egyptina senea obi rekasa so. Ɔkyere se, yetaa hu ɔmene bere a yerekasa ntentem so. Eye bere a nnyegyeyi aba bi nya nsunsuanso wɔ ɔfoforo so ma ne su sesa (Crystal, 2007 ne Mathews, 2007) senea ene nnyegyeyi aba a ehye n'anim anaa etoa ne so besae. Senea Shane (1973) da no adi wɔ Owulah (2014) kyere mu se, ɔmene kwan so no nnyegyeyi aba bi fa ɔfoforo a ɔben no su. Eyi mu na ɔrekyere se, konsonante betumi amene baworo, baworo betumi amene konsonante, konsonante betumi amene ne yonko konsonante na baworo nso betumi amene ne yonko baworo.

3.2.1 ɔmene ho Akwankyerɛ

3.2.1.1 ɔmene Nkɔanim Nniso: ɔmene kwan yi so no, nnyegyeyi aba (konsonante) a edi kan na ehye nea etɔ so abien anaa edi n'anim ma esesa befa ne su. Eyi ma nhyehyee bi te se; $K_1 \# K_2 \rightarrow K_1K_2$.

Nhweso

- 13.** i. /n + da/ - [nna] /d/ → /n/
 ii. /n + damfo/ - [nnamfo]
 iii. /m + bɔ/ - [mmɔ] /b/ → /m/
 iv. /m + bu/ - [mmu]

3.2.1.2 Ɔmene Nkɔakyi/Akyisan Nniso: Ɔmene kwan yi so no, nnyegyeyi aba (konsonante) a etɔ so abien na ehye nea ewɔ n'anim no ma ebefa ne su, nanso nnyegyeyi abien no sae wɔ nnyegyeyeyɛ beae mu. Eyi ma nhyehyɛ bi te sɛ; $K_1 \# K_2 \rightarrow K_1K_2$.

Nhweso

- 14.** i. /n + kɔ/ - [ŋkɔ] /n/ → /ŋ/
 ii. /asɛm + ti/ - [asɛnti] /m/ → /n/
 iii. /mpɛjin + fo/ - [mpɛjimfo] /n/ → /ŋ/
 iv. /asɛm + ka/ - [asɛŋka] /m/ → /ŋ/

Nnyegyeyi aba a ɛmene ɔfoforo sesa ne su no, betumi adi dwuma korakora anaa hɔ-ne-hɔ. Wɔ hɔ-ne-hɔ ɔmene kwan so no, nnyegyeyi aba a ehye ɔfoforo no, de ne su fa bi na ehye nnyegyeyi (konsonante) no. Mpen pii no nnyegyeyi aba no sae wɔ nnyegyeyiyɛ beae mu.

Nhweso

- 15.** i. /n + kɔ/ - [ŋkɔ]
 ii. /asɛm + ti/ - [asɛnti]

Korakora ɔmene kwan so no, nnyegyeyi aba no de ne su (nnyegyeyiyɛ beae ne nnyegyeyi yebea) nyinaa na ehye nnyegyeyi fofoforo no ma esesa.

Nhweso

16. i. /n + di/ - [nni]
 ii. /asɛm + bisa/ - [asemmisa]
 iii. /asɛmn + dibea/ - [asennibea]

3.3 Hwemmɔ

Ɛye ɔkwan a nnyegyeyi (baworo anaa konsonante) a ɛnye hwenem nya hwenem su bere a [+ Hwenem] konsonante toa ne so anaa ɛhye n’anim. Agyinaɛhyede a ɛkyere hwemmɔ ne [~]. Yede eyi to nnyegyeyi aba (baworo) a enya nsunsuanso wɔ ne so no so.



Dwumadi dodow no ara na akɔ so wɔ Akuapem baworo hwemmɔ mu enti merenseɛ bere wɔ eno ho koraa, mmom mehwe konsonante hwemmɔ wɔ Akuapem mu. Eyi da adi wɔ ofa 3.2.1 mu.

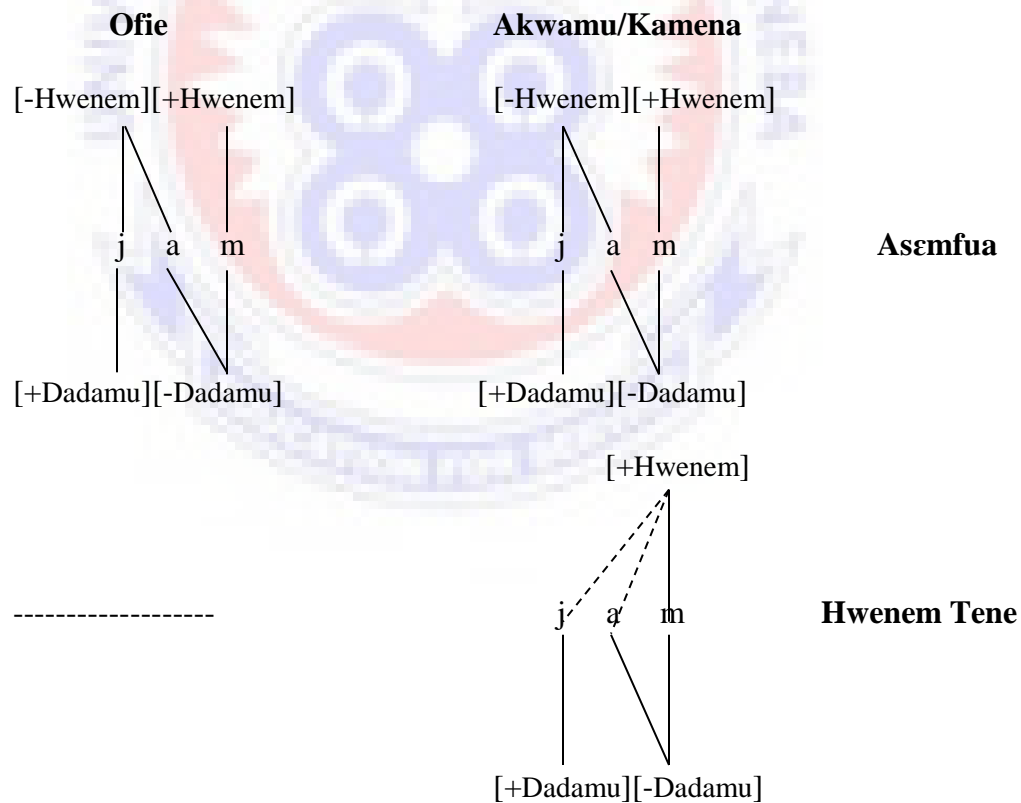
3.3.1 Konsonante Hwemmɔ

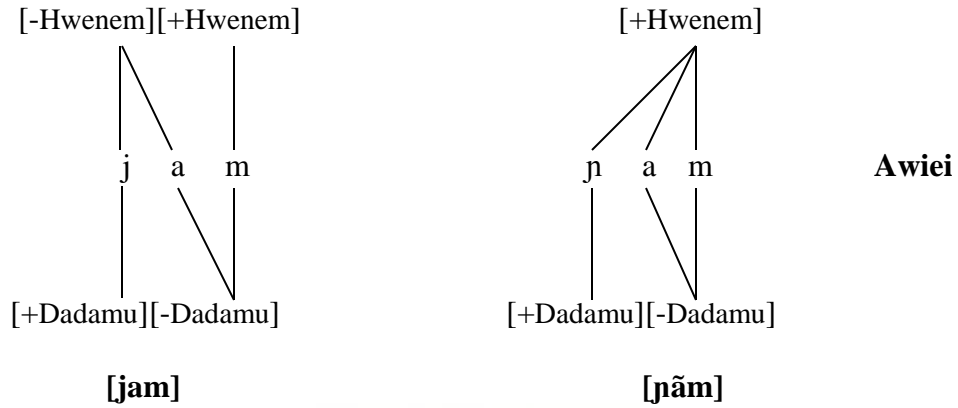
Dolphyne (2006) kyere se, se baworo bi nya hwenem su a, annya-anye baworo ntumi hye n’anim anaa nto a ne so. Wɔ Akuapem mu no, se annya-anye baworo dadamu konsonante /j/ hye baworo a anya hwenem su anim a, konsonante no beye hwenem ne ka mu ne titiriw Akwamu ne Kamena mu. Bio, ɛkɔba se agyinae-nkyeremu konsonante /dz/ a emu piw toa hwenem konsonante so a, esesa ye hwenem konsonante. Ladefoged (2001)

nso akyerɛ sɛ, annya-anye baworo [w, l, r, j] tumi nya hwenem su wɔ ne ka mu bere a ɛhyɛ hwenem baworo anim. Eyi na ɔrekyerɛ sɛ Yuroba kasa mu no, anofafa bata dadamu-bɛtɛɛ konsonante [w̃] tumi nya hwenem su ne ka mu bere a ɛhyɛ hwenem baworo [ɔ] anim. Sɛ ebia; [wɔ] ‘they’.

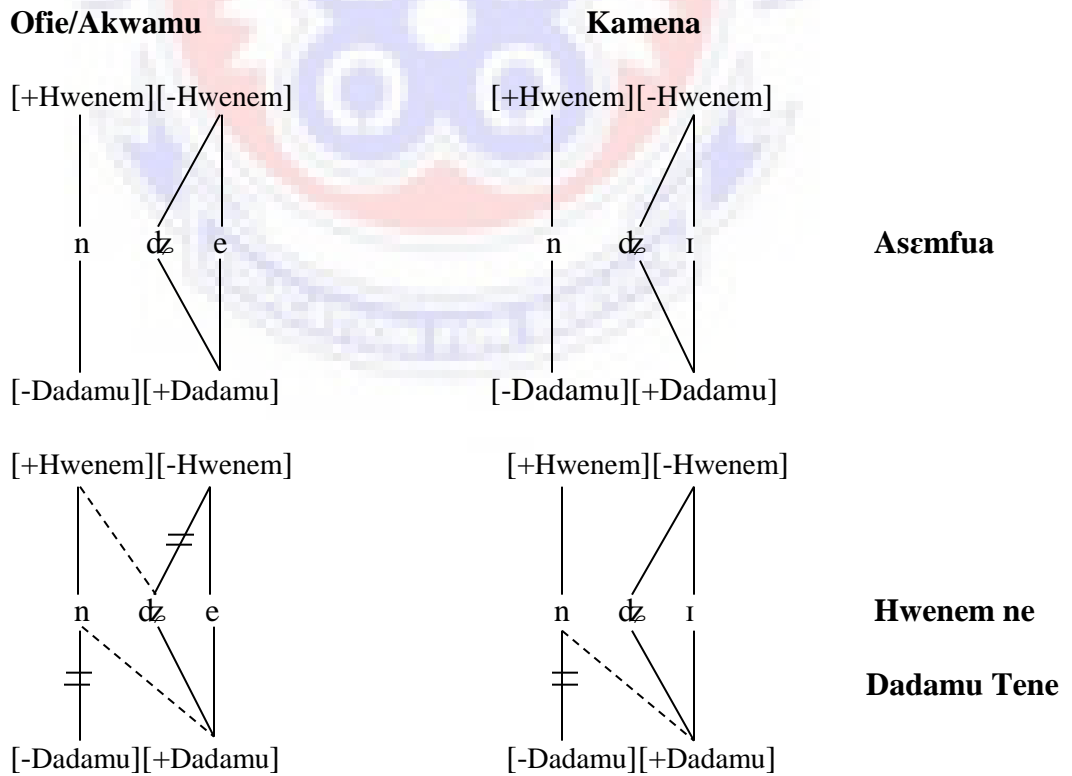
Yenhwe nhweso a ɛwɔ ase ha yi.

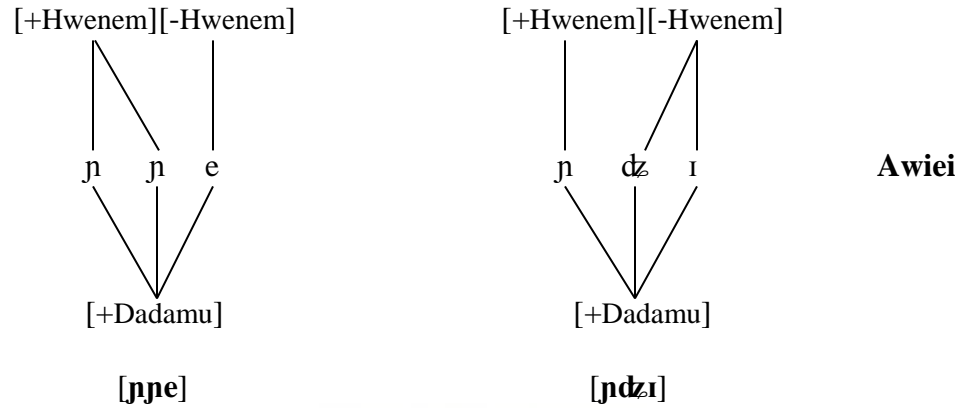
	Asɛmfua	Ofie	Akwamu	Kamena
17. i.	/jamɔ/	[jam]	[ɲãm]	[ɲãm]
ii.	/jɛni/	[jɛɲ]	[ɲɛɲ]	[ɲɛɲ]
iii.	/ɔpæjin/	[ɔpæjɲ]	[ɔpæɲɲ]	[ɔpæɲɲ]
iv.	/n+ɔze/	[ɲpe]	[ɲpe]	[ɲɔzi]





/jam/ ne asemfua no. Hwenem konsonante /m/ a etwa asemfua no to tene ne su no kɔ baworo /a/ ne dadamu konsonante /j/ so wɔ Akwamu anaa Kamena pɛ mu. Eyi ma konsonante no beyɛ dadamu hwenem /ɲ/ esiane baworo /ã/ a anya hwenem su nti. Ofie mu no, esiane baworo /a/ a eyɛ [-Hwenem] nti, dadamu konsonante no da so ye [-Hwenem].





Ahosodi nnyegyeyi dwumadi yi so se-akyi hwenem konsonante /n/ tene ne hwenem su no kɔ dadamu agyinae-nkyeremu konsonante /dz/ so wɔ Ofie anaa Akwamu pɛ mu. Dadamu agyinae-nkyeremu konsonante no nso tene ne dadamu su no kɔ se-akyi hwenem konsonante no so wɔ Akuapem mu.

3.4 Baworo mene Konsonante

Sɛ baworo bi toa konsonante bi so a, su a baworo no wɔ no bi tumi hyɛ konsonante no wɔ ne ka mu. Senea Shane (1973) da no adi wɔ Owulah (2014) mu kyere sɛ, su a baworo bi wɔ no betumi de ahyɛ konsonante so ma abɛyɛ mmataho de ama konsonante no. Ɔfa yi bɛhwe Dadamu-so-kɔ, Ano-kurukuruwayɛ, Anofafa bata Dadamu-so-kɔ ne Akyiye wɔ Akuapem mu.

3.4.1 Dadamu-so-kɔ

Ɛyɛ konsonante nnyegyeyi a ne ye mu no tɛkrɛma no ma so kɔ dadamu denden beae hɔ. Ɛyɛ konsonante mmataho dwumadi no mu biako. Abakah (2012) ne Dolphyne (2006) kyere sɛ Akan mu dadamu-so-kɔ si bere a [+Soro] dadamu anim baworo toa konsonante so na ɛde ne su no hyɛ konsonante no ne ka mu. Oyebola (n.d) nso kyere sɛ,

Hausa kasa mu no dadamu-so-kɔ si bere a dadamu anim baworo toa se-akyi ne dadamu-bɛtɛɛ konsonante so. Mallet (2001) nso akyerɛ sɛ Tataltepec Chatino kasa mu sɛ dadamu-bɛtɛɛ kɔnsonante /k/ hyɛ baworo /e/ anim a, kɔnsonante no beyɛ dadamuyɛ ne ka mu. Owulah (2014) nso akyerɛ sɛ, wɔ Dangme kasa mu no, sɛ [+soro, -akyi] baworo /i/ toa kɔnsonante so a, kɔnsonante no beyɛ dadamuyɛ ne ka mu. Agyinaehyede a ɛkyerɛ dadamu-so-kɔ ne [ʲ].

Dadamu-so-kɔ gu mu ahorow abien Akuapem mu. Eyinom ne dadamu-so-kɔ hɔ-ne-hɔ ne dadamu-so-kɔ korakora.

3.4.1.1 Dadamu-so-kɔ Hɔ-ne-hɔ

Dadamu-so-kɔ hɔ-ne-hɔ mu no, konsonante a dadamu anim baworo de ne su hyɛ no no nyera anaa ensesa korakora, mmom bere biara konsonante no ne mmatahode no wɔ hɔ. Sɛ baworo abien a ne nhyehyɛɛ yɛ B₁B₂#, na B₁ baworo nnyegyeyiɛ beaɛ su ahyɛnsode yɛ [SE-AKYI] ne nnyegyeyi akwaa mu toa konsonante a ne nnyegyeyiɛ beaɛ su ahyɛnsode nyɛ [DADAMU-BɛTɛɛ] ne nnyegyeyi akwaa mu so a, baworo no de ne su no hyɛ konsonante no ma ɛbeyɛ dadamuyɛ. Akuapem mu no, konsonante no beyɛ dadamuyɛ bere a B₁ yɛ [+Kan] dadamu baworo (Abakah, 2012) senea ɛda adi nhweso (18) mu no.

	Asemfua	Ofie/Akwamu	Kamena
18.	i. /bio/	[bʲio]	[biem]
	ii. /ɔbia/	[ɔbʲia]	[ɔbaa]
	iii. /pioto/	[pʲioto]	[pʲioto]
	iv. /apĩã/	[apʲĩã]	[apʲĩã]

Nhweso (18 i, ii) mu Kamena nka konsonante no wɔ dadamu beae hɔ. Wɔ (18 iv) mu no, Akuapem ka konsonante no wɔ dadamu beae hɔ mpo bere a baworo no ye [-Kan].

3.4.1.2 Dadamu-so-kɔ Korakora

Dadamu-so-kɔ korakora mu no, konsonante a dadamu anim baworo de ne su hye no no yera anaa esesa korakora. Mallet (2001) kyere se Dakota Sioux kasa mu no, se dadamu-betee konsonante /k/ toa soro anim baworo /i/ so a, dadamu-so-kɔ a esi no ye korakora, se ebia; /ikaxe/ - [ɪfaye] 'adeyede', /ikax/ - [ɪfay] 'ye'. Eyi ne senea esi Akan (Akuapem) mu bɔ abira. Ene se, Akuapem mu no, ekɔba se baworo a ne nnyegyeyiye beae su ahyensode ye [SE-AKYI] na esan ye [+Soro] wɔ ne nhyepon ahyensode mu toa konsonante a ne nnyegyeyiye beae su ahyensode ye [DADAMU-BETEE] so a, baworo no de ne su no hye konsonante no ma ebeye [-anim, SE-AKYI].

	Asemfua	Ofie	Akwamu/Kamena
19.			
i.	/ɔkɪna/	[ɔtɛina]	[ɔtɛina]
ii.	/gidi/	[ɖzidi]	[ɖzidi]
iii.	/ɔhiwo/	[ɔɛiw]	[ɔɛiw]
iv.	/æsikire/	[æsikire]	[æsitɛire]

Eda adi nhweso a ewɔ soro yi mu se [+Soro] se-akyi baworo a etoa akyi konsonante no so hye konsonante no ma eye [-anim, se-akyi] nhweso (19 i - iii) mu. Nhweso (19 iv) mu no, se-akyi baworo no wɔ hɔ Ofie mu bere a ehye konsonante no ma eye [-anim, se-akyi] Akwamu anaa Kamena mu.

3.5 Konsonante mene Baworo

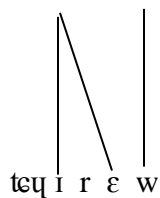
Se baworo a ne nnyegyeyie beae su ahyensode ye [SE-AKYI] hye konsonante a ne nnyegyeyie beae su ahyensode ye [ANOFafa] anim a, konsonante no de ne su no hye baworo no ma ebye kurukuruwa (anofafa) wo ne ka mu. Kamena mu no, se konsonante /w/ twa asemfua to a, mpen pii eyera wo ne ka mu. Nhweso (20 iv, v) mu no, anofafa bata dadamu-bete konsonante /w/ no yera bere a atene ne su ako baworo no so wo Kamena mu awie.

	Asemfua	Ofie/Akwamu	Kamena
20. i.	/teɥiw/	[teɥuw]	[teɥi]
ii.	/dzɥiriw/	[dzɥur ^w uw]	[dzɥiri]
iii.	/eɥiw/	[eɥow]	[eɥi]
iv.	/teɥirew/	[teɥor ^w ow]	[teɥor ^w o]
v.	/teirew/	[teirew]	[teɥor ^w o]
vi.	/aɥirehow/	[aɥor ^w oh ^w ow]	[aɥireh ^w o]
vii.	/dzæbiriw/	[dzæb ^w ur ^w uw]	[dzæbre]
viii.	/æɥiriw/	[æɥor ^w ow]	[æɥiri]

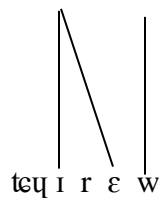
Ofie/Akwamu

Kamena

[-Se-akyi][+Anofafa]

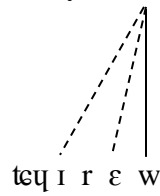


[-Se-akyi] [+Anofafa]

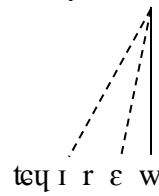


Asemfua

[-Se-akyi][+Anofafa]

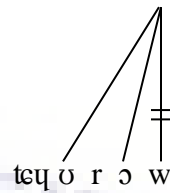


[-Se-akyi][+Anofafa]



Kurukuruwa Tene

[+Anofafa]



Konsonante Yera

[+Anofafa]



[tɛɔr^wɔ]

[+Anofafa]



[tɛɔr^wɔ]

Awiei

3.6 Anofafa bata Dadamu-so-kɔ

Ɛye konsonante nnyegyeyi a ne ye mu no, anofafa no ye kurukuruwa na bere koro no mu ara tekrema no ma ne mu so kɔ dadamu-denden beae hɔ. Ansa na eyi betumi asi no, ɛwɔ nhyehyee a nnyegyeyi aba no di so. **KUa/e** ye nhyehyee a Abakah (2012) de kyere se ɛde anofafa bata dadamu-so-kɔ ba Akan mu. Se anofafa bata dadamu-so-kɔ betumi afa **KUa/e** nhyehyee kwan yi so asi a, ɛse se mmara nnidiso a ɛwɔ ase ha yi di dwuma. Agyinaehyede a ɛkyere anofafa bata dadamu-so-kɔ ne [ʷ].

K – no gyina hɔ ma konsonante

U – ye fonim a egyina hɔ ma akyi baworo /u/ ne /ʊ/

a/e – ye baworo a etoa U fonim no so.

Yenhwe nhyehyee yi.

tua # # nũã # # due # ← Asemfua

t^wua # # n^wũã # # d^wue # ← Ano-kurukuruwaye

t^wia # # n^wĩã # # d^wie # ← Nsae wɔ anto-kurukuruwa baworo biakoye mu

t^ɔia # # n^ɔĩã # # d^ɔie # ← Dadamu-so-kɔ wɔ ano-kurukuruwaye konsonante so

[t^ɔia] [n^ɔĩã] [d^ɔie] ← Awiei

KUa/e Nhyehyee anaa mmara yi kyere se, se [+Kurukuruwa] baworo se eye [+/-Kan] toa konsonante so a, ede ne kurukuruwa su no hye konsonante no ma ebeye ano-kurukuruwaye **K^wUa/e**. Eno akyi, [+Kurukuruwa, +/-Kan] 'fonim' U ne /a/ anaa /e/ baworo sae wɔ anto-kurukuruwa baworo biakoye mu. Dadamu baworo /I/ besi U anan mu ma eye **K^wIa/e**. Eno akyi no, dadamu baworo no de ne dadamu su no hye ano-kurukuruwaye konsonante no ma eye anofafa bata dadamu-so-koye **K^ɔIa/e**. Yenhwe nhweso a ewɔ ase ha wɔ Akuapem mu.

Kamena

Ofie/Akwamu

ogũã # # ogũã # ← Asemfua

og^wũã # # og^wũã # ← Ano-kurukuruwaye

og^wĩã # ----- ← Nsae wɔ anto-kurukuruwa baworo biakoye mu

od^ɔĩã # ----- ← Dadamu-so-kɔ wɔ ano-kurukuruwaye konsonante so

od^ɔĩ # ----- ← Awiei

Nhweso a ewo ase ha yi kyere anofafa bata dadamu-so-ko wo Akuapem mu.

	Asemfua	Ofie	Akwamu/Kamena
21.			
i.	/mpaboa/	[mpab ^h ia]	[mpaboa]
ii.	/ækũã/	[ak ^h ĩã]	[ækũã]
iii.	/ŋkɔa/	[ŋk ^h ia]	[ŋkɔa]
iv.	/pokuasi/	[pok ^h iasɪ]	[pokuasi]
v.	/mũã/	[m ^h ĩã]	[mũã]
vi.	/ɛno # ætei/	[ɛn ^h ĩ # ætei]	[ɛno # ætei]
vii.	/ɛhũ # adɔ/	[ɛh ^h ĩ # adɔ]	[ɛhũ # adɔ]
viii.	/ɔbiako # aka/	[ɔbiak ^h ɪ # aka]	[ɔbaako # aka]
ix.	/mi # bo # æfuw/	[mi # b ^h ɪ # æfuw]	[mi # bo # æfuw]
x	/ɛno # ara # nen/	[ɛn ^h ɪ # aa # nen]	[ɛno # aa # nen]

Eda adi nhweso yi mu se, (21 i - v) mu no, Ofie ka konsonante no anofafa bata dadamu-so-koƷe kwan so bere a Akwamu anaa Kamena nka konsonante no kwan yi so bere a mpo edi KUa hyehyee yi so. Abakah (2012) kyere se, se KUa nhyehyee no si wo asemfua/mɔɔfem ahye so mpo a Akuapem ka konsonante no wo anofafa bata dadamu-so-koƷe kwan so senea eda adi wo nhweso (21 vi – x) mu no. Senea Abakah kyere se esi Akuapem mu no ko so Ofie mu. Akwamu anaa Kamena nka konsonante no kwan yi so.

3.7 Dadamu-BeteeƷe²⁰

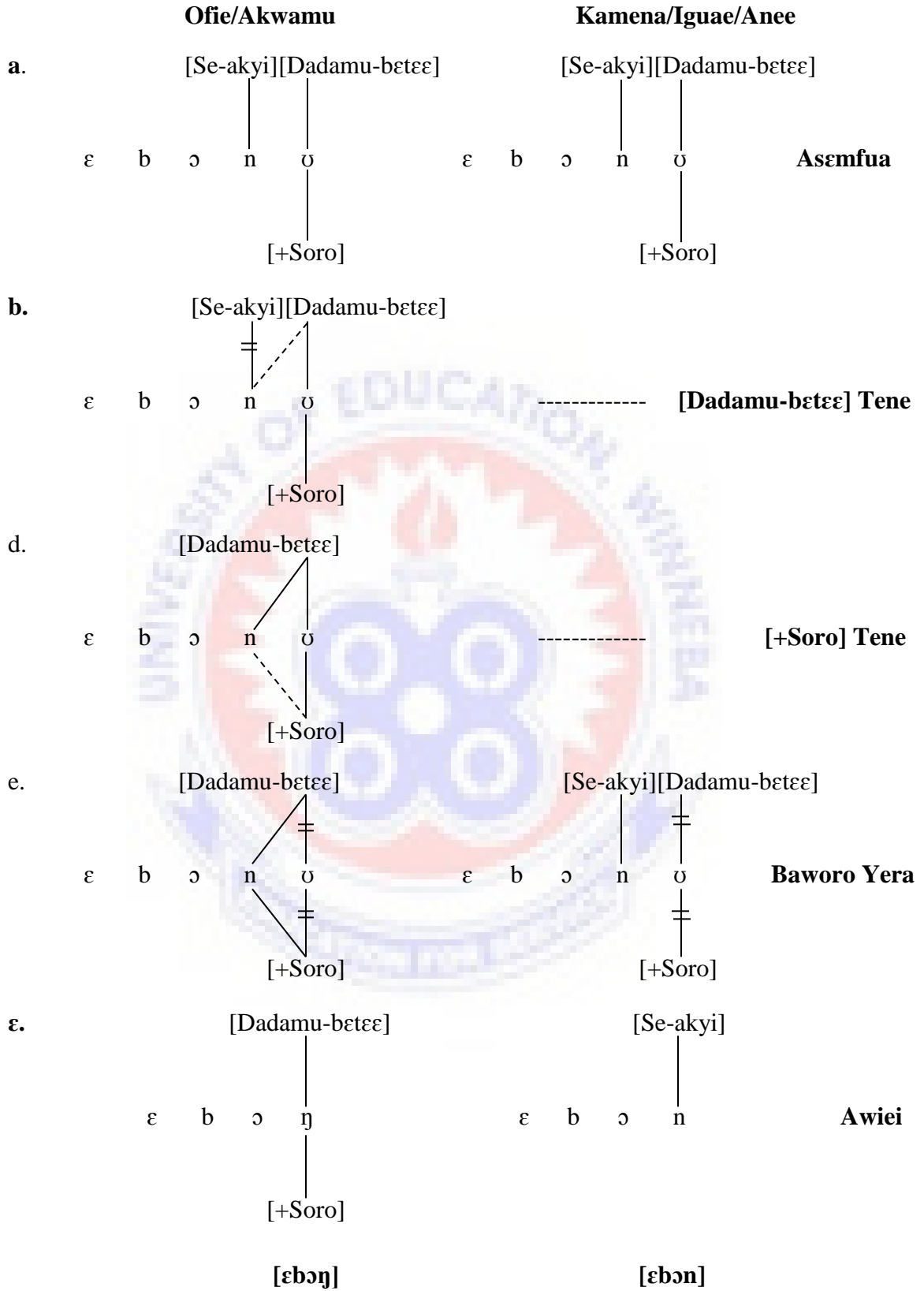
Dadamu-beteeƷe ye fonologyi kwan a ekyere senea nnyegyeyi aba bi a enni nnyegyeyeyi beae su ahyensode [DADAMU-BETEE] nya [DADAMU-BETEE] su wo ne ye mu esiane beae a ehye nti. Akan konsonante nkutoo so na Abakah (2012) kyere se

dadamu-betɛɛyɛ di dwuma. Ɛne sɛ, sɛ konsonante ne titiriw hwenem [+anim, SE-AKYI] hyɛ baworo a ne nnyegyeyɛ beae su ahyensode yɛ [DADAMU-BETɛɛ] anaa [SE-AKYI] na ɛsan wɔ esu ahyensode [+Soro] wɔ ne nhyepon mu anim a, baworo no tene ne su no kɔ hwenem se-akyi konsonante no so na eyi ne nnyegyeyiɛ beae su ahyensode [SE-AKYI] no fi hɔ ma ebeyɛ [+Soro, DADAMU-BETɛɛ] wɔ ne ka mu (Abakah, 2012).

Yɛnhwɛ ɛho nhweso wɔ ase ha.

	Asemfua	Ofie/Akwamu	Kamena	Iguae/Anee
22.	i. /sɔnĩ/	[sɔ̃ŋ]	[sɔ̃n]	[sɔ̃n]
	i. /kanĩ/	[kãŋ]	[kãn]	[kãn]
	iii. /pɔnũ/	[pɔ̃ŋ]	[pɔ̃n]	[pɔ̃n]
	iv. /ɛbɔnũ/	[ɛbɔ̃ŋ]	[ɛbɔ̃n]	[ɛbɔ̃n]
	v. /tɔnũ/	[tɔ̃ŋ]	[tɔ̃n]	[tɔ̃n]

Ɛda adi nhweso yi mu sɛ (22 i, ii) mu no, baworo no wɔ esu ahyensode [SE-AKYI] wɔ ne nnyegyeyi akwaa mu na ɛhyɛ konsonante no ma ɛyɛ akyi prɛko pɛ wɔ Ofie anaa Akwamu mu. Nhweso (22 iii-v) mu no, baworo a ɛde dadamu-betɛɛyɛ ba no wɔ esu ahyensode [DADAMU-BETɛɛ] wɔ ne nnyegyeyɛ akwaa mu. Ɛtene ne su no kɔ hwenem se-akyi anim konsonante no so ma ɛyɛ akyi wɔ Ofie anaa Akwamu mu. Baworo no yera fi asemfua no to bere a atene ne su no awie. Kamena mu no, [SE-AKYI] anaa [DADAMU-BETɛɛ] baworo no ntene wɔn su nkɔ hwenem anim se-akyi konsonante no so, mmom [+Soro, DADAMU-BETɛɛ] baworo no yera ne ka mu senea ɛda adi wɔ Iguae/Anee Fante kasa mu (Abakah, 2012). Nnyegyeyi ahosodi dwumadi a ɛwɔ ase ha kyere eyi ase.



3.8 Baworo Biakoyɛ

Ɔfa yi behwɛ Baworo Biakoyɛ wɔ Asennua mu, Nsianim ne Nsiakyi (nsiho) ho, Kurukuruwa Biakoyɛ ne Biakoyɛ wɔ Nsemfua Ahye so wɔ Akuapem mu.

Schachter ne Fromkin (1968), Roca ne Johnson (1999), O'keefe (2003), ne Dolphyne (2006) akyerɛ baworo biakoyɛ mu sɛ, ɛyɛ mmara a ehwehwɛ sɛ baworo a ekodi ahyia wɔ asemfua bi mu beyɛ baworo a wɔn nyinaa fi kuw biako sɛ ɛyɛ [+Kan] anaa [-Kan] mu. Sɛ yegyina tɛkrɛma no nworɔɛ ne n'anim ba so a, Akan baworo no wɔ nkyekyɛmu abien.

Eyinom ne;

[+Kan]	[-Kan]
i	ɪ
e	ɛ
u	ʊ
o	ɔ
æ	a

[+Kan] baworo yɛ mu no, tɛkrɛma no worɔ ba n'anim ma emu ntin no yere tann. [-Kan] baworo yɛ mu no, tɛkrɛma no ntin mu gow ma ɛworɔ kɔ n'akyi.

3.8.1 Biakoyɛ wɔ Asennua mu

Eyi yɛ bere a baworo a ekodi ahyia asemfua asennua bi mu nyinaa fi kuw biako, sɛ ɛyɛ [+Kan] anaa [-Kan] mu. Nhwɛso a ɛwɔ ase ha kyere eyi ase. Baworo a biakoyɛ wɔ mu no na mayɛ no tuntum no.

[+Kan]	[-Kan]
[tʰie]	[sɔri]
[suro]	[pɔrɔw]
[tʰuo]	[sɛi]

Eyi da nkyen a, baworo a ɛwɔ nsemfua binom mu kodi ahyia a, ɛto mmara. Ɛne sɛ, [+Kan] ne [-Kan] baworo nyinaa hyia asemfua n'asennua mu. Dolphyne (2006) kyere sɛ, /a/ ne /ɛ/ yɛ baworo a ɛde mmarato ba Akan nsemfua binom te sɛ; *bisa* ne *ninsɛn* mu. Abakah (2003) ne Dolphne (2006) kyere sɛ, nsemfua binom a ɛtete sɛɛ mu no, baworo biakoyɛ no wɔ afaafa abien. Nsianim a ebisi adeyɛ/edin n'anim ne asensin (baworo) a edi kan wɔ adeyɛ/edin no mu besae wɔ biakoyɛ mu. Sa ara nso na nsiakyi a ebisi adeyɛ/edin n'akyi ne asensin a etwa to wɔ adeyɛ/edin no mu besae wɔ biakoyɛ mu. Sɛ ebia;

/ɔ-bisa-ɪ/	-	[o-bisa-ɪ]
/ɔ- ninsɛn-ɪ/	-	[o-ninsɛn-ɪ]
/ɔ-bisa-se/	-	[o-bisæ-se] (Ofie/Akwamu Akuapem)

Sɛ nsianim ne nsiakyi yi di dwuma sɛɛ de a, ɛno de ɛkyerɛ sɛ baworo mmarato nni nsemfua yi mu.

Abakah (2003) kyere sɛ yerentumi nnyina baworo a ekodi ahyia nsemfua bi mu so nkyere sɛ baworo biakoyɛ asi Akan mu, mmom bere biara gye sɛ yede nsianim anaa nsiakyi (nsiho) di dwuma. Yɛnhwɛ senea baworo biakoyɛ fa so si wɔ nsianim ne nsiakyi (nsiho) ahorow a ɛwɔ Akuapem mu.

3.8.2 Biakoye wɔ Nsianim ne Nsiakyi (Nsiho) mu

Se baworo bi su besesa a, bere biara egyina baworo su a ewɔ adeye/edin asennua no mu so. Schachter ne Fromkin (1968) ne Abakah (2003) aka se, bere biara eye [+Kan] baworo na esesa [-Kan] baworo ye no [+Kan]. Yenhwe baworo biakoye wɔ nsiho ahorow no mu.

3.8.2.1 Adeye Nsianim

Adeye nsianim a edi dwuma Akuapem mu binom ne Edinnsiananmu, Daakye, Nkɔe, Mmae ne Ensii nsianim. Nsianim yi mu baworo biara ye [-Kan] na ene baworo a ewɔ edin/adeye asennua mu sae wɔ [+/-Kan] biakoye mu.

a. Edinnsiananmu Nsianim: /mi/, /wɔ/, /ɔ/, /ye/, /wɔ/, /mɔ/.

Nhweso

[-Kan]

mi-tɔ

wɔ-tɔ

ɔ-tɔ

ye-tɔ

wɔ-tɔ

mɔ-tɔ

[+Kan]

mi-tu

wu-tu

o-tu

ye-tu

wo-tu

mu-tu

b. Daakye Nsianim - /bɛ/

[-Kan]

ɔ.be.kɔ

ye.be.fa

[+Kan]

o.be.tu

ye.be.ji

c. **Nkɔɛ Nsianim** - /kɔ/

[-Kan] **[+Kan]**

ɔ.kɔ.fa o.ko.bu

yɛ.kɔ.ɛɛ ye.ko.di

d. **Mmaɛ Nsianim** - /bɛ/

[-Kan] **[+Kan]**

ɔ.be.tɔ o.be.di

yɛ.be.fa ye.be.di

e. **Ensii Nsianim** - /rɪ/

[-Kan]

ɔ.rɪ.fa

yɛ.rɪ.tɔ

wɔ.rɪ.ji

Esiane sɛ ensii nsianim yɛ [-Kan] Akuapem mu dedaw nti (Abakah 2003) ɛne [+Kan] baworo su a ɛwɔ adeyɛ asennua mu nsae wɔ biakoyɛ mu.

3.8.2.2 Adeyɛ Nsiakyi

Adeyɛ nsiakyi a edi dwuma Akuapem mu ne, Edinyɛ ne Twam nsiakyi. Nsiakyi yi mu baworo biara yɛ [-Kan] na ɛne baworo a ɛwɔ adeyɛ/edin asennua mu sae wɔ [+/- Kan] biakoyɛ mu.

f. Edinyɛ Nsiakyi - /ɪ/

Adeyɛ **Edin**

/ɥie/ - [æ.ɥie.i]

/sɔɛ/ - [a.sɔɛ.i]

/tɔ/ - [a.tɔ.i]

/pue/ - [æ.pue.i]

g. Twam Nsiakyi - /ɪ/

[-Kan] **[+Kan]**

ɔ.tɔ.i wo.ji.i

yɛ.ɛɛ.i ye.bu.i

3.8.3 Kurukuruwa Biakoyɛ²¹

Kurukuruwa biakoyɛ yɛ ɔkwan a baworo a eyɛ [-Kurukuruwa] sesa beyɛ [+Kurukuruwa]. Eyi si bere a baworo a ɛwɔ adeyɛ asennua mu yɛ [+Kurukuruwa] na ɛtene ne su no kɔ nsianim baworo a eyɛ [-Kurukuruwa] so, hyɛ no ma ɛbeyɛ [+Kurukuruwa]. Sɛ eyi da nkyɛn a, kanyɛ su a baworo a ɛwɔ adeyɛ asennua mu wɔ nso tumi tene ma ɛhyɛ [-Kan] baworo a ɛwɔ nsianim no mu ma eyɛ [+Kan].

Ada adi Akan fɔnɔlɔgyi abakɔsem mu sɛ kurukuruwa biakoyɛ di dwuma Fante ne Asante kasa mu nkutoo. Animdefo yi bi ne Schachter ne Fromkin (1968), Abakah (2003), O'keefe (2003), Dolphyne (2006) ne afoforo binom. Wɔn nsem mu no, edinnsiananmu a esi adeyɛ n'anim yɛ biakofo edinnsiananmu a edi kan [mɪ] senea ɛda adi wɔ nhweso (23) mu no.

Asemfua

Akuapem

23. i. /mi-ri-kɔ-tu/ [mi-ri-ko-tu]
 ii. /mi-ri--kɔ-bu/ [mi-ri-ko-bu]
 iii. /mi-ri-kɔ-tɔ/ [mi-ri-ko-tɔ]

Senea ɛda adi wɔ nhweso yi mu no, baworo a ɛwɔ edinnsiananmu mu ye [-Kurukuruwa]. Se biribi sɛɛ si de a, ɛbeyɛ den sɛ kurukuruwa biakoyɛ betumi ada adi Akuapem ɔkasa mu senea animdefo yi akyerɛ no. Mmom sɛ baworo a ɛwɔ edinnsiananmu mu ye [+Kurukuruwa] de a, etumi de kurukuruwa biakoyɛ ba Akuapem mu.

Ɔpon a ɛwɔ ase ha kyere nsianim ahorow a etumi si adeye anim wɔ Akuapem mu.

Ɔpon 3.2

Nnsianim	[-Kuru]	[-Kan]	[+Kan]	[+Kan]
	[-Kan]	[+Kuru]	[-Kuru]	[+Kuru]
Daakye	be		be	
Ensii	ri	ro		
Nkɔe		ko		ko
Mmae	be		be	
Biakofo edinnsiananmu a ɛtɔ so abiesa		ɔ		
Biakofo edinnsiananmu a ɛtɔ so abien		wɔ		
Dodow edinnsiananmu a ɛtɔ so abien		mɔ		

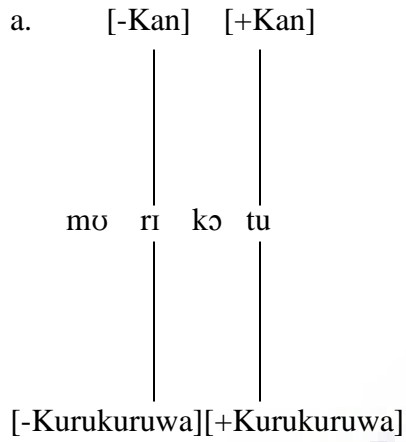
Ɔpon yi so baworo a ɛwɔ adeyɛ asennua mu na ɛbɛkyere nsianim a ebesi anim. Yɛnhwe nhweso a ɛwɔ ase ha yi.

	Asɛmfua	Ofie	Akwamu	Kamena
24.	i. / mɔ-rɪ-kɔ-tu /	[mɔ-rɔ-ko-tu]	[mɔ-rɪ-ko-tu]	[mɔ-ko-tu]
	ii. / mɔ-rɪ-kɔ-tu /	[mɔ-rɔ-kɔ-bɔ]	[mɔ-rɪ-kɔ-bɔ]	[mɔ-kɔ-bɔ]
	iii. / wɔ-rɪ-kɔ /	[ɔ-rɔ-kɔ]	[wɔ-rɪ-kɔ]	[wɔ-kɔ]
	iv. / ɔ-rɪ-kɔ /	ɔ-rɔ-kɔ]	[ɔ-rɪ-kɔ]	[ɔ-kɔ]

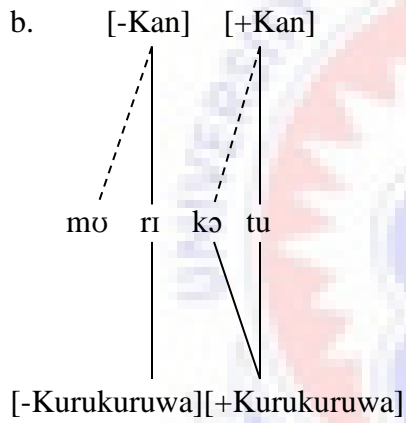
Nhweso yi mu ɛda adi sɛ kurukuruwa biakoyɛ da adi Ofie mu bere a edinnsiananmu a esi adeyɛ n’anim yɛ biakofo edinnsiananmu a ɛtɔ so abien /wɔ/, abiesɛ /ɔ/ ne dodow edinnsiananmu a ɛtɔ abien /mɔ/ wɔ nhweso (24 i-v) mu. [+Kurukuruwa] baworo su a ɛwɔ adeyɛ asennua mu tene ne su no kɔ nsianim no so nanso esiane sɛ baworo a ɛwɔ ensii nsianim /rɪ/ mu yɛ [-Kurukuruwa] dedaw nti, esiw [+Kurukuruwa] su a ɛtene wɔ adeyɛ asennua no mu kwan Akwamu mu, nanso ɛhyɛ ensii nsianim no ma ɛyɛ [+Kurukuruwa] Ofie mu. Nea ɛboa ma ensii nsianim tumi nya [+Kurukuruwa] su wɔ ne ka mu ne kurukuruwa baworo a ɛwɔ edinnsiananmu no mu. Nhweso yi mu no Kamena mfa ensii nsianim /rɪ/ nni dwuma koraa.

Esiane sɛ nsesae biara nni Akwamu ne Kamena mu nti, mɛkyerekyere sɛnea ɛda adi Ofie mu nkutoo wɔ nnyegyeyi ahosodi dwumadi so.

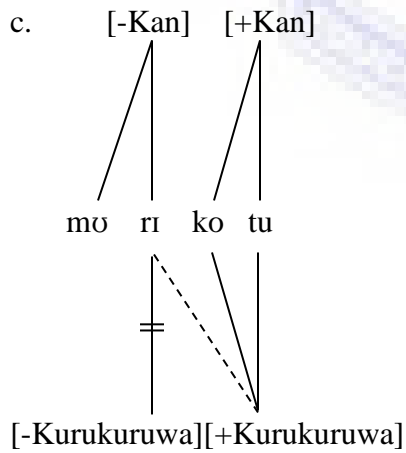
Ofie Akuapem



Asemfua

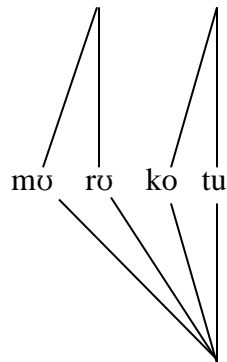


[+Kan] Tene



[+Kuru] Tene

d. [-Kan] [+Kan]



Awiei

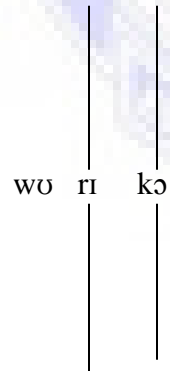
[+Kurukuruwa]

[mu-ru-ko-tu]

(b) mu no [+Kan] baworo a εwɔ adeye asennua mu tene kɔ nkɔe nsianim /kɔ/ so na [-Kan] su a ensii nsianim /rɪ/ wɔ nso tene kɔ edinnsiananmu no so wɔ benkum fam. [+Kurukuruwa] baworo a εwɔ adeye asennua mu tenn kɔ ensii nsianim /rɪ/ so yi ne [-Kurukuruwa] su a εwɔ dedaw no fi hɔ ma εbeyε [+Kurukuruwa] wɔ (c) mu. (d) ne awiei no.

Ofie Akuapem

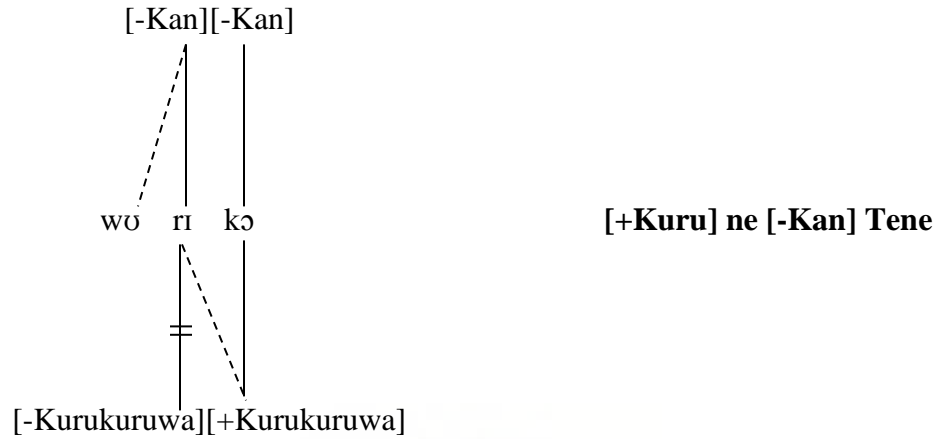
a. [-Kan][-Kan]



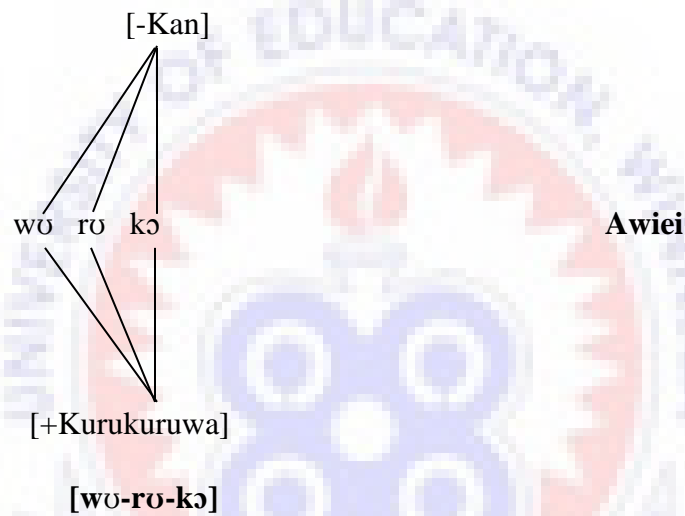
Asemfua

[-Kurukuruwa][+Kurukuruwa]

b.



c.



3.8.4 Baworo Biakoye wɔ Nsemfua Ahye so

Eyi si wɔ bere a nsemfua abien ahye so no [+Kan] baworo a ɛwɔ asemfua a ɛtɔ so abien (#B₂-) mu tene ne su no kɔ [-Kan] baworo a ɛwɔ asemfua a edi kan anaa ehye n'anim (-B₁#) so hye no ma ebeye [+Kan]. [+Kan] baworo a ehye [-Kan] baworo ye no [+Kan] di dwuma wɔ nkɔakyi/akyisan kwan so (Schachter ne Fromkin, 1968 ne Dolphyne, 2006).

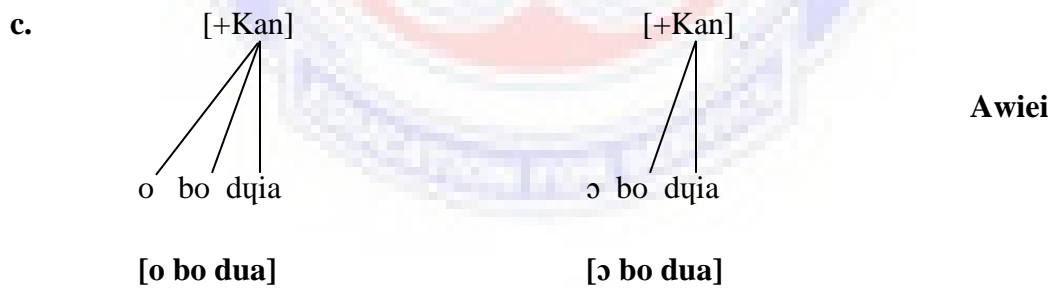
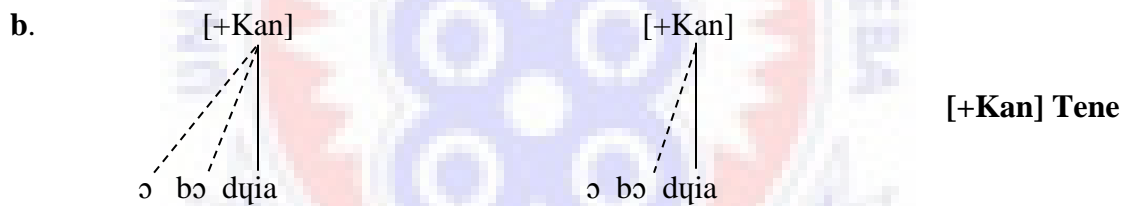
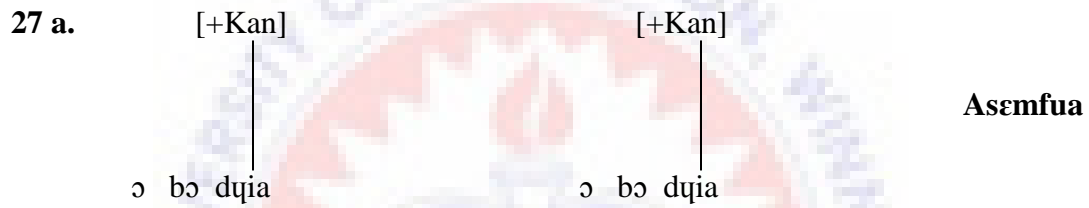
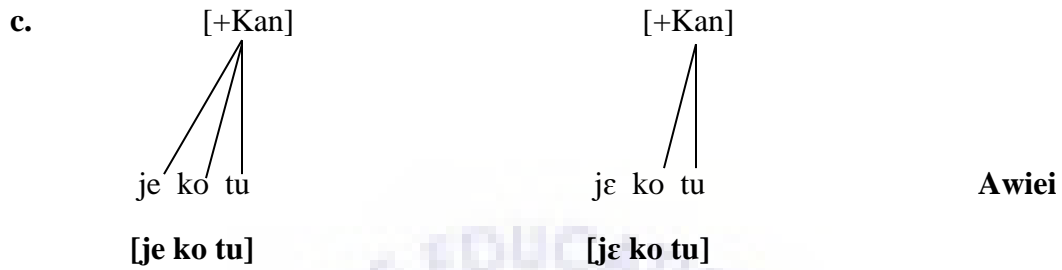
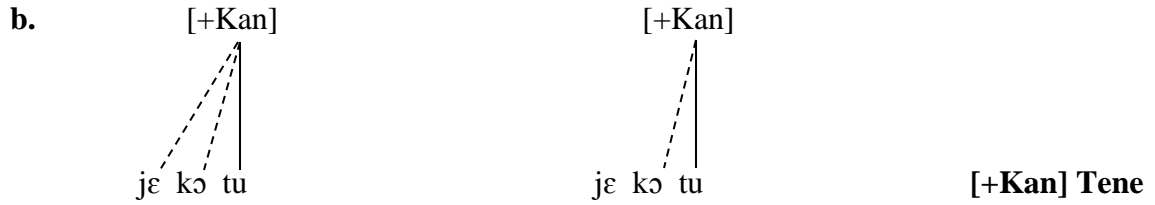
Nhweso a εwɔ ase ha da baworo biakoye wɔ nsemfua ahye so adi.

	Asemfua	Ofie/Akwamu	Kamena
25. i.	/wɔn # kɔ # dze/	[wo # ko # dze]	[wɔ # kɔ # dzɪ]
ii.	/ɔ # bɔ # dua/	[o # bo # dua]	[ɔ # bo # dua]
iii.	/jɛ # kɔ # tu/	[je # ko # tu]	[jɛ # ko # tu]
iv.	/ɔ # kɔ # fie/	[o # ko # fie]	[ɔ # ko # fie]
v.	/ɔ # pɛ # sika/	[o # pe # sika]	[ɔ # pe # sika]
vi.	/wɔ # bɛ # dze/	[wu # be # dze]	[wɔ # bɛ # dzɪ]
vii.	/ɔ # ka # se/	[ɔ # kæ # se]	[ɔ # ka # sɪ]
viii.	/ɔ # bisa # se/	[o # bisæ # se]	[o # bisa # sɪ]

Nhweso (25 i – vi, viii) mu no, [+Kan] baworo a εwɔ adeye anaa edin asennua mu tenn ne su no kɔ asensin (baworo) a esi n'ananim nyinaa so wɔ Ofie anaa Akwamu mu. Nhweso (25 vii) mu no, [+Kan] a etene wɔ adeye asennua mu ntra asensin a ene baworo a εwɔ adeye asennua mu bɔ hye no. Kamena mu no, [+Kan] baworo a εwɔ adeye/edin asennua mu, tene ne su no kɔ asensin (baworo) a ene adeye anaa edin asennua bɔ hye no pɛ so.

Yenhwe eyi wɔ nnyegyeyi ahosodi dwumadi so.

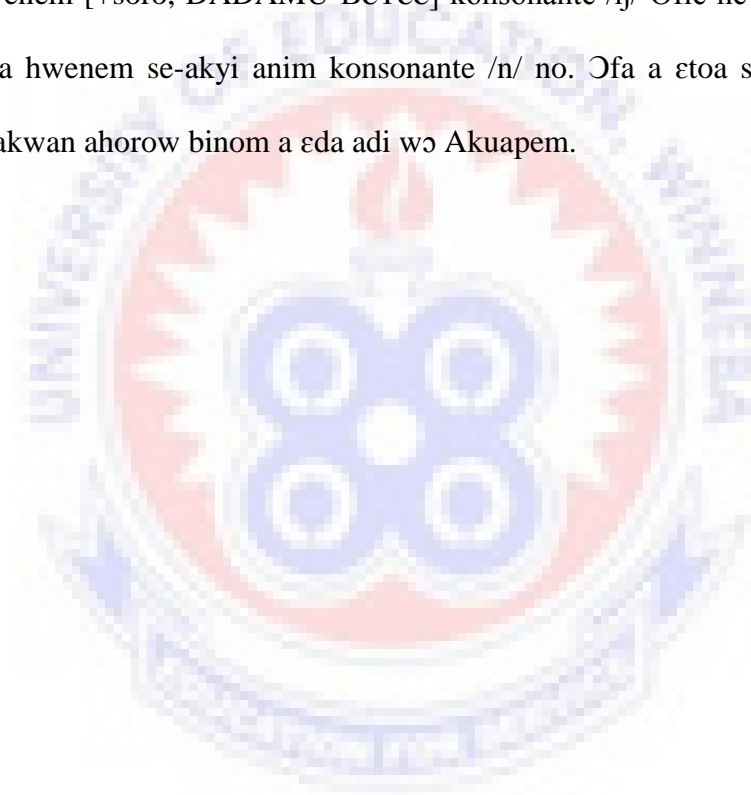
	Ofie/Akwamu	Kamena	
26 a.	[+Kan]	[+Kan]	
	je kɔ tu	je kɔ tu	Asemfua



3.9 Muabɔ

Ɔfa yi ahwe ɔmene akwan ahorow binom a ɛda adi wɔ Akuapem mu. Ada adi se, anofafa bata dadamu-so-kɔ da adi yiye wɔ Akuapem mu ne titiriw wɔ Ofie mu. Mɔɔfem ahye so no, ada adi se anofafa bata dadamu-so-kɔ si Ofie mu sen Akwamu ne Kamena

Akuapem mu. Bio ɔfa yi mu no ada adi se kurukuruwa biakoye di dwuma ne titiriw Ofie
Akuapem mu. Akyere se ansa na eyi betumi asi no, gye se edinnsiananmu a esi adeye
n'anin ye biakofo edinnsiananmu a eto so abien /wɔ/, abiesa /ɔ/ ne dodow
edinnsiananmu a eto so abien /mɔ/. Yɛahu wɔ ɔfa yi mu se, wɔ Dadamu-beteeɛ mu no
nnyegyeeɛ beae su ahyensode ye [DADAMU-BETEE], [SE-AKYI] ne [+Soro] a baworo
a etwa asemfua to wɔ no tene ko hwenem se-akyi anim konsonante /n/ a ehye n'anin so
ma eye hwenem [+soro, DADAMU-BETEE] konsonante /ŋ/ Ofie ne Akwamu mu bere a
Kamena ka hwenem se-akyi anim konsonante /n/ no. ɔfa a etoa so no behwe asensin
nhyehye akwan ahorow binom a eɔa adi wɔ Akuapem.



ƆFA ANAN

ASENSIN NHYEHYEE AKWAN BINOM

4.0 Nnianim

Ɔfa yi da asensin nhyehyee akwan binom adi wɔ Akuapem mu. Eɛkasa afa Nhyemu, Tuon Fɛm, Konsonante Mfɔfɔreso Ntewso, Nnyegyeyi Yera ne Nnyegyeyi Beasesesa. Eɛtoa so ahwe Baworo Mmamuso.

4.1 Nhyemu²²

Akuapem wɔ asensin nhyehyee abiesaa. Eyinom ne konsonante (K), baworo (B) ne konsonante ne baworo (KB). Hwenem konsonante /m/, /n/, mmɔbɔe konsonante /r/ ne anofafa bata dadamu-betɛe konsonante /w/ na etumi ye asensin wɔ Akuapem mu bere a baworo a etoa hwenem konsonante yinom so ye [+Soro], sɛ ewɔ esu ahyensode [SE- AKYI] anaa [DADAMU-BETɛE] wɔ ne nnyegyeyi akwaa mu, na baworo a ehye mmɔbɔe konsonante n'anim nso ye [+Soro]. Konsonante yi nyinaa ye toun soafo wɔ Akuapem mu.

Eyi nti, sɛ obi (Okuapeni) kɔfɛm asemfua foforo bi fi kasa foforo bi mu a, ogyina asensin nhyehyee mmara yi so na ɔde abɔ asemfua no so. Sɛ asemfuafɛm no wɔ konsonante mfɔfɔreso bi te sɛ; /sp/, /bl/, /st/, /sm/, /kt/, /pl/, /ks/, /kpl/, /gbl/ wɔ asemfua n'ahyeease, mfinimfini na konsonante a etwa asemfua hɔho no to nye konsonante /m, n, w/ wɔ Akuapem mu a, wɔde baworo hye asemfua hɔho no mu anaa twa to ma ene Akuapem asensin nhyehyee no ye pɛ senea ne mmɔbɔso no beye merɛw.

Nhyemu ne sɛ yede nnyegyeyi aba, sɛ eyɛ baworo anaa konsonante foforo bi a kan no na enni asemfua hɔho no mu behye mu ma ene Akuapem asensin nhyehyee no ye pɛ

wɔ bere a asemfua no ntease nsesa. Eyi di dwuma wɔ nsemfuafem²³ mu nkutoo efise, Akuapem mfa nnyegyeyi aba foforo biara nhye nsemfua mu (Abakah ne Tenteh 2005). Dwumadi dodow no ara na akɔ so wɔ Akan baworo nhyemu mu, enti se woƆe eho dwumadi ne fa kese a (hwe Abakah ne Tenteh, 2005; Adomako, 2008; ne Manu, 2013). Eyi nti merensee bere wɔ ho mmom meka baworo a yede ye nhyemu ho asem pe de ahwe konsonante nhyemu ne tuon fem.

4.1.1 Nhyemu Baworo

Abakah ne Tenteh (2005), Adomako (2008) ne Manu (2013) kyere se Akan de soro baworo na eye nhyemu wɔ nsemfuafem mu. Asem koro yi ara nso na Akinlabi (2000) wɔ Kenstowicz (2006) mu nso aka. Okyere se, Yuroba nsemfuafem mu no, wɔde soro baworo na eye nhyemu. Soro baworo yinom ne /i, ɪ, u, ʊ/. Eyi mu no, konsonante anaa baworo a yede si baworo a ewɔ asemfua ho ho anan mu tumi kyere baworo a ebeye nhyemu no. Se konsonante anaa baworo no ye anofafa a yede baworo /u/ ne /ʊ/ na eye nhyemu no. Se baworo anaa konsonante no ye se-akyi nso a, yede /i/ ne /ɪ/ na eye nhyemu no. Se baworo a ewɔ asemfua ho ho mu ye kurukuruwa na konsonante a etwa asemfua ho ho no to ye dadamu anaa dadamu-denden ne se-akyi konsonante a, kurukuruwa baworo no ntumi nkyere baworo a ebetwa asemfua no to mmom, dadamu konsonante no na ebekyere (Adomako, 2008). Afei nhyemu baworo ne baworo a ewɔ asemfua ho ho mu nso sae wɔ [+/-Kan] anaa [+/-Kurukuruwa] biakoye mu. Adomako (2008) kyere se, mmeae abiesa na nhyemu tumi di dwuma wɔ Akan nsemfuafem mu. Eyinom ne asemfua ahyease/anim, mfinimfini ne awiei.

Sɛ yeyi nsemfua a wɔfɛm fi Borɔfo kasa mu to nkyɛn a, nsemfua binom wɔ hɔ a, wɔafɛm afi Ghana kasa bi te sɛ Ayigbe (Ewe) mu. Eyi mu no, nhyɛmu baworo no da nso fi nea maka ho asɛm wɔ soro hɔ no mu.

Nhweso

28.	Ewe	Akuapem
i.	/agblema/	[agbelĩmã]
ii.	/akplẽ/	[apele]

4.1.2 Konsonante Nhyɛmu

Akuapem mu no, sɛ wɔfɛm asemfua bi na n'asensin nhyehyɛe mu no fam baworo /a/ hyɛ anofafa hwenem konsonante /m/ ne se-akyi /t/ anaa dadamu-denden ne se-akyi konsonante /tɛ/ ntam a, wɔde se-akyi hwenem konsonante /n/ hyɛ fam baworo no ne se-akyi anaa dadamu-denden ne se-akyi konsonante no ntam.

Nhweso

29.	IPA	Akuapem	Asɛmfua
i.	/tə'ma:təʊ/	[tomantosɔ]	'tomanto'
ii.	/mætʃstɪk/	[majɛɪsɪ]	'match stick'

(hwɛ Manu, 2013)

Dadamu-denden konsoanate a etoa /a/ so wɔ (29 ii) mu hyɛ se-akyi hwenem konsonante no ma ɛyɛ dadamu-denden hwenem konsonante /ɲ/.

4.2 Toun Fɛm²⁴

Wɔ Akuapem mu no, sɛ wɔfɛm asemfua bi fi borɔfo kasa mu a, wɔde toto Akuapem asɛnsin nhyehyɛ ho ansa na wɔatumi abɔ asemfua so. Sɛ eyi da nkyɛn a, ade biako a edi dwuma yiye wɔ nsemfuafɛm mu ne toun. Akuapem yɛ toun kasa, eyi nti senea asemfua a wɔfɛm no begyigye te sɛ Akuapem nsemfua nti, wogyina tuon so na ɛkyɛrɛ. Borɔfo kasa de ntwetwemu na edi dwuma. Roach (1991) kyɛrɛ sɛ, ntwetwemu gu mu ahorow abien; nea ano yɛ den ne nea ano nyɛ den. Afei sɛ dwɛɛdwɛɛwa no wosow denden a, Ladefoged (2001) kyɛrɛ sɛ, ɛma ɛnne a ɛwɔ soro na ɛwosow bɔkɔɔ nso a, ɛma ɛnne a ɛwɔ fam. Sɛ yɛde eyi ba toun kasa mu a, Akuapem de S na ɛka ɛnne a ɛwɔ soro na wɔde F na ɛka ɛnne a ɛwɔ fam. Sɛ yegyina saa nimdeɛ yi so a, nea edi kan ne sɛ, S na wɔde ka asemfua anaa asɛnsin a ne ntwetwemu wɔ soro wɔ nsemfuafɛm mu.

Nhweso

30.	IPA	Akuapem	Asɛmfua
i.	/tə'ma:təʊ/	[tò.má.ń.tò]	'tomanto'
ii.	/əd'va:ns/	[àd.à.bá.ń.sì]	'advance'
iii.	/ə'sembli/	[às.é.m.bì.lì]	'assembly'
iv.	/'peɪpər/	[pí.pà]	'paper'
v.	/'bɒdi/	[bó.dì]	'body'

Nea etɔ so abien ne sɛ wɔde F na ɛka asɛnsin a etwa to wɔ nsemfuafɛm mu. Eyi mu no, baworo a etwa asemfua hɔho no to nyɛ nhyemu baworo, mmom ɛwɔ asemfua hɔho no mu dedaw.

Nhweso

31.	IPA	Akuapem	Asemfua
i.	/dɔktər/	[dɔkɔ̀tà]	‘doctor’
ii.	/ma:stər/	[mási:tà]	‘master’
iii.	/pa:stər/	[pási:tà]	‘pastor’
iv.	/stɔ:r/	[sɔ̀tɔ̀]	‘store’
v.	/di'leɪ/	[diléè]	‘delay’

Nhyemu baworo wɔ ne tuon a efa wɔ Akuapem mu. Mpen pii no efa F mmom beae a nhyemu baworo no hye wɔ asemfua hɔho no mu na ebekyerɛ F a ebɛfa. Nea edi kan, se konsonante mfɔfɔreso wɔ asemfua hɔho n’ahyease a, nhyemu baworo no fa F. Se konsonante mfɔfɔreso no wɔ asemfua hɔho no mfinimfɔni a, nhyemu baworo no betumi afem F a ewɔ asensin a ewɔ n’anim anaa etoa ne so no. Se asensin a etwa to wɔ asemfua hɔho mu tuon ye F a, nhyemu baworo a etwa to no fem ne F no. Yuroba nsemfuafem mu no, Kenstowicz (2006) kyere se, nhyemu baworo a wɔde twa to wɔ asemfua hɔho mu fem F a ewɔ asensin a etwa to wɔ Borɔfo kasa mu. Eyi ne nhweso a ɔde kyere nea ɔkae no ase.

Nhweso

IPA	Yuroba	Asemfua
/'pensl/	pénsulù	‘pencil’
/'paɪlət/	páálòtì	‘pailot’
/'dʌzn/	dósìnì	‘dozen’

Akuapem mu no, nhyemu baworo a etwa to nso fem F a ewɔ asensin a ewɔ n’anim wɔ asemfua hɔho mu. Nhweso (32) da eyi adi.

Nhweso

32.	IPA	Akuapem	Asemfua
i.	/'brɪdʒ/	[bì.rí.ì.dʒì]	'bridge'
ii.	/'spi:d/	[sù.pí.ì.dì]	'speed'
iii.	/'peɪnt/	[pé.è.ñ.tì]	'paint'
iv.	/'braɪb/	[bì.rá.ì.bù]	'bribe'
v.	/'gla:s/	[gì.lá.à.sì]	'glass'

Nhweso (33 i, ii) mu no, nhyemu baworo a ewo mfinimfini no afem F a ewo asensin a etoa ne so no (Nea etwa to no). (33 iii-v) mu no, nhyemu baworo no afem F a ewo asensin a ewo n'anim no.

Nhweso

33.	IPA	Akuapem	Asemfua
i.	/'ma:stər/	[má.sì.tà]	'master'
ii.	/'dɒktər/	[dó.kù.tà]	'doctor'
iii.	/wɒtʃmən/	[wò.tɛì.má.ñ]	'watchman'
iv.	/kəm'pli:t/	[kò.m.pì.l.í.ìtì]	'complete'
v.	/əd'va:ns/	[à.dà.bá.ñ.sì]	'advance'

Manu (2013) kyere se, asensin a Akan de ka nsemfuafem dɔɔso sen asensin a ewo nsemfua hoho mu. Se asemfua hoho no ye asensin biako a, ntwentwemu no ba asemfua n'ahyease so. Akuapem mu no woye nhyemu bere a konsonante mfoforeso wo asemfua hoho n'ahyease. Eba saa a, S a wode ka ntwentwemu wo asemfua hoho n'ahyease/anim (asensin a edi kan) no beye asensin a eto so abien wo Akuapem mu. Eyi da adi wo nhweso (34) mu.

Nhweso

34.	IPA	Akuapem	Asemfua
i.	/'brɪdʒ/	[bì.rí.ì.ɖɛ̀]	'bridge'
ii.	/'spi:d/	[sù.pí.ì.dì]	'speed'
iii.	/'stɔ:r/	[sò.tó.ò]	'store'
iv.	/'braɪb/	[bì.rá.ì.bù]	'bribe'
v.	/'glɑ:s/	[gì.lá.à.sì]	'glass'

Sɛ eba sɛ asensin a ntwetwemu wɔ so wɔ asemfua hɔhɔ mu nni konsonante mfofɔreso wɔ n'ahyɛase a, S a wɔde ka no beyɛ asensin a edi kan mmom wɔtwe baworo no mu fi asensin a edi kan no so de kyere nsanee a ewɔ asemfua hɔhɔ no mu.

Nhweso

35.	IPA	Akuapem	Asemfua
i.	/'nɜ:s/	[nɛ.ɛ.sì]	'nurse'
ii.	/'hɒt/	[hó.ò.tù]	'hot'
iii.	/'kæt/	[ká.à.tì]	'cat'
iv.	/'pɜ:s/	[pó.ò.sù]	'pause'
v.	/'peɪnt/	[pé.è.ñ.tì]	'paint'

4.3 Konsonante Mfofɔreso Ntewso²⁵

Sɛ Okuapeni fem asemfua bi fi Borɔfo anaa Ghana kasa bi mu a, ɔde nhyemu na eyɛ adwuma senea ada adi no. Nsemfua a wɔfɛm no, sɛ konsonante no fofɔre so beyɛ abien de kɔ abiesa so a, woyi bi fi mu anaa wɔmmɔ bi so koraa. Konsonante mfofɔreso ntewso kyere bere a konsonante abien anaa abiesa fofɔre so wɔ asemfua hɔhɔ mu a

baworo biara nni ntam, na wɔ ne ka mu no, ebi fi mu ma ɛka biako anaa abien. Se nsemfua hɔho no wɔ konsonante mfɔfɔreso bi te sɛ /ks/, /kt/, /st/, /pt/, /lb/, /kp/, /ksp/ a, mpen pii no Okuapeni nkanka wɔn a wɔka kasa abien (Akuapem ne Borɔfo) mfa nhyemu nni dwuma, mmom konsonante no bi wɔ hɔ a wɔkwati no.

Waa-mframa pue nnidiso yɛ nhyehyɛ pon a ɛkyerɛ senea wɔahyehyɛ nnyegyɛi aba nnidiso wɔ bere a egyina nnyegyɛi no anoden (ɔkwɔn a mframa no fa pue wɔ anom no) so. Baworo ne nnyegyɛi a ano yɛ den pa ara, na agyinae konsonante ne nnyegyɛi a ano nyɛ den wɔ nhyehyɛ pon no so.

Eyi ne nhyehyɛ pono no.

Waa-mframa puei Nnidiso

Baworo	/i, ɪ, ʊ, u, e, ɛ, ɔ, o, a, æ/
Annya-anyɛ baworo	/j, w/
Nkyɛnmu ne Mmɔbɔɛ	/r, l/
Hwenem	/m, n/
Nkyeremu ne Agyinae-nkyeremu	/s, f, h, ɛ, tɛ, dz, dzɔ, tɛɔ, ɛɔ/
Agyinae	/p, t, k, b, d, g/

(hwɛ Spencer, 2002)

Megyina Spencer (2002) waa-mframa pue nhyehyɛ pono yi so ne de Lacy (2006) nnyegyɛiyɛ beae nhyehyɛ pono so akyerɛ nea enti a nnyegyɛi bi wɔ hɔ a, wɔkwati no.

Nnyegyɛiyɛ Beae Ahyensode Titiriw Nnidiso

| Dadamu-bɛtɛɛ → Kurukuruwa → Se-akyi → Menem |

(hwɛ de Lacy, 2006)

Ɖwom sɛ nnyegyeyi bi wɔ hɔ a edi dwuma wɔ ɔkasa bi mu de nanso sɛ epue wɔ asemfua bi nhyehyɛ mu a, wɔkwati no. Nnyegyeyi nnidiso yi kyere sɛ, [DADAMU-BɛTɛɛ] konsonante pa ara na wɔkwati no wɔ nsemfua bi ka mu. Ɖno fi hɔ a [KURUKURUWA] na aba [SE-AKYI] ansa na [MENEM] konsonante aba. Yɛnhwɛ konsonante mfofɔreso ntewso wɔ nsemfua a ɛwɔ ase ha mu. Nhweso a ɛwɔ ase nyinaa gyina hɔ ma wɔn a wɔka kasa abien wɔ Akuapem mu.

Sɛ mfofɔreso a ehyɛ asemfua hɔho no mfinimfini anaa etwa to mu konsonante yɛ dadamu-bɛtɛɛ /k/ ne nkyeremu /s/ anaa se-akyi agyinae /t/ a, wɔkwati dadamu-bɛtɛɛ konsonante no.

Nhweso

36.	IPA	Akuapem	Asɛmfua
i	/fɪ <u>ks</u> /	[fɪsɪ]	‘fix’
ii.	/mɪ <u>ks</u> /	[mɪsɪ]	‘mix’
iii.	/kɔrɛ <u>kt</u> /	[kɔrɛtɪ]	‘correct’
iv.	/rɪdʒɛ <u>kt</u> /	[rɪdʒɛtɪ]	‘reject’
v.	/ɪlɛk <u>tr</u> ɪsəti/	[ɪlɛtrɪsiti]	‘electricity’
vi.	/bɔ <u>kt</u> əriə/	[bɔtɪriə]	‘bacteria’

Nhweso (36 i, ii) mu no, konsonante mfofɔreso no ne /ks/. Sɛ yegyina waa-mframa puei nnidiso so a, nkyeremu konsonante /s/ wɔ anoden su sen agyinae konsonante /k/. Eyi nti na mfofɔreso a ete saa no wɔka nkyeremu na wogyaw agyinae konsonante no. Afei (36 iii, iv ne vi) mu no, mfofɔreso konsonante no ne /kt/. Yegyina waa-mframa pue nnidiso so a, konsonante abien yi wɔ su biako a eyɛ agyiane. Ɖba saa a, nnyegyeyiɛ beae nnidiso na ebetumi akyere nea enti wɔka [SE-AKYI] konsonante /t/ na

wɔkwati [DADAMU-BETEE] konsonante /k/ no. Nnyegyeyiɛ beaɛ nnidiso so no, [DADAMU-BETEE] konsonante na wɔkwati no pa ara ansa na aba [SE-AKYI] konsonante. Eyi nti na mfɔfɔreso a ete saa no, wɔkwati dadamu-betɛ konsonante /k/ no. Nhweso (36 v) mu no, konsonante mfɔfɔreso /tr/ na epue wɔ asemfua ne ka mu. Senea Clement (2000) ada no adi wɔ Abakah (2013a) mu no ɔkyerɛ sɛ, kasa dodow no ara a ɛwɔ Abibiman Atɔɛ fam wɔ mmɔbɔɛ konsonante mfɔfɔreso wɔ wɔn nsemfua ka mu. Eyi nti mfɔfɔreso a ete saa no wotumi bɔ so a wɔmfa nhyemu nni dwuma. Bio, /r/ nso ye asensin wɔ Akan mu.

Sɛ konsonante mfɔfɔreso a etwa asemfua hɔhɔ to ye se-akyi nkyeremu /s/ ne se-akyi agyinae /t/ a, wɔkwati se-akyi agyinae konsonante no.

Nhweso

37.	IPA	Akuapem	Asemfua
i.	/fɔrɪst/	[fɔrɛsɪ]	‘forest’
ii.	/daɪdʒɛst/	[da:dʒɛsɪ]	‘digest’

Yegyina nnyegyeyiɛ beaɛ nnidiso so a, konsonante abien yi wɔ su biako a eye [SE-AKYI]. Eyi nti waa-mframa puei nnidiso na ebetumi akyere nea enti a wɔkwati se-akyi nkyeremu konsonante /s/ na wogyaw se-akyi agyinae konsonante /t/ no. Nnidiso no so no, nkyeremu konsonante wɔ anoden su sen agyinae konsonante. Eyi nti na wɔka /s/ na wɔkwati /t/ wɔ konsonante mfɔfɔreso a ete saa mu no.

Bio, ɛkɔba sɛ konsonante mfɔfɔreso a etwa asemfua hɔhɔ no to ye nkyenmu /l/ ne anofafa /b/, se-akyi /t/ anaa hwenem konsonante /m/ a, wɔkwati nkyenmu konsonante no.

Nea enti a ɛba saa ne sɛ, senea ɛbeyɛ na asemfua a wɔafɛm bɛkyɛrɛ dekode a wɔrɛpɛ akyɛrɛ nti na wɔkwati nkyɛnmu konsonante a ekita anoden su no. ɛba saa a, wɔtwe baworo no mu de si nkyɛnmu konsonante a wɔkwati n'anana mu (Adomako, 2008).

Nhweso

38.	IPA	Akuapem	Asemfua
i.	/bʌ l b/	[bɔ: b ɔ]	'bulb'
ii.	/be l t/	[bɛ: t i]	'belt'
iii.	/fi l m/	[fi: m]	'film'

Sɛ konsonante mfɔfɔreso a etwa asemfua hɔhɔ no to yɛ hwenem, anɔfafa agyinae ne se-akyi agyinae konsonante /mpt/ a, wɔkwati anɔfafa agyinae konsonante /p/ no. Waa-mframa puei nnidiso so no, hwenem konsonante /m/ wɔ anoden su sen anɔfafa ne se-akyi agyinae konsonante /p/ ne /t/. Mmom sɛ ɛba nnyegyeyiɛ beaɛ nnidiso so a, wɔkwati anɔfafa konsonante /p/ sen se-akyi konsonante /t/. Akuapemfo (Akanfo) kasabienfo mfa nhyɛmu nni dwuma wɔ mfɔfɔre so /mt/ mu.

Nhweso

39.	IPA	Akuapem	Asemfua
i.	/prɔ m pt/	[prɔ m tɔ]	'prompt'
ii.	/atɛ m pt/	[atɛ m tɪ]	'attempt'

Nhweso a ɛwɔ ase ha yɛ nsemfua a Akuapemfo tumi fem fi Ghana kasa bi te sɛ Nkran ne Ayibge mu. Sɛ konsonante mfɔfɔreso wɔ asemfua no mu a, wɔkwati bi sa ara.

Nhwɛso

40.	Asemfua	Akuapem
i.	/akpeteshie/ (Nkran)	[apeteci]
ii.	/akplɛ/ (Ayibge)	[apele]
iii.	/kpando/ (Ayibge)	[pando]
iv.	/kpanlogo/ (Nkran)	[palogo]

4.4 Nnyegyeyi Yera

Ɔhare kwan so no etumi ba sɛ baworo, konsonante anaa mpo asensin a ɛwɔ asemfua anaa ɔkasamu bi mu tumi yera a wɔmmɔ so koraa (Abakah, 2004). Ɔfa ketewa yi behwe baworo, konsonante ne asensin yera. Baabi a ɛsɛ no, medi dwuma no wɔ ntotoho kwan so.

4.4.1 Baworo Yera

Akuapem mu no, sɛ wonya asemfua a n'asensin nhyehyɛe yɛ $K_1B_1K_2B_2$, na baworo a edi kan B_1 yɛ [+Soro, -Akyi, -Kan] na baworo a ɛtɔ so abien B_2 yɛ [-Soro,] a, B_1 yera bere a konsonante a ɛtɔ so abien K_2 yɛ waa-mframa puei nnyegyeyi (Abakah, 2004). Esiane sɛ baworo yera dwumadi dodow no ara akɔ so wɔ Akuapem mu nti, merensee bere wɔ ho mmom medi dwuma no bi wɔ ntotoho kwan so bere a ɛsɛ wɔ Akuapem mu.

$$\begin{array}{c} B_1 \\ | \\ \perp \\ | \\ [+Soro, -Kan] \end{array}$$

$$\begin{array}{c} K_2 \\ | \\ [+Sonoro] \end{array}$$

(hwɛ Abakah, 2004)

Nhweso

41. Asemfua Akuapem

- | | | |
|------|--------|-------|
| i. | /tira/ | [tra] |
| ii. | /fire/ | [frɛ] |
| iii. | /bira/ | [bra] |

Se asemfua bi asensin nhyehyee ye $K_1B_1K_2B_2$ na konsonante a eto so abien (K_2) ye anofafa bata dadamu-beteɛ konsonante /w/, na baworo a eto so abien (B_2) ye [+soro] a, ne ka mu no B_2 yera wo Ofie anaa Akwamu mu. Eyi ne senea Abakah (2004) kyere se esi wo Anee ne Iguae Fante kasa nkorabata mu no ye pe. Kamena mu no K_2 ne B_2 nyinaa yera. Eyi nso ne senea Abakah (2004) kyere se esi wo Boka Fante kasa mu no ye pe. Mɔɔfem ahye so no, se asensin nhyehyee ye $B_1 \# K_1B_2$ na konsonante a edi kan (K_1) ye waa-mframa puei nnyegyei a, ne ka mu no B_2 yera wo Ofie anaa Akwamu mu senea eda adi wo nhweso (42 i, ii) mu no.

Nhweso

42. Asemfua Ofie/Akwamu/Anee Kamena/Boka

- | | | | |
|------|-------------------|--------------------------------|-----------------|
| i. | /abɔfra # nɔ/ | [abɔfra # n] | [abɔfra # nɔ] |
| ii. | /ɛnɔ # ætɛi # nɔ/ | [ɛn ^h ɪ # ætɛi # n] | [ɛnɔ ætɛi # nɔ] |
| iii. | /asɔwɔ/ | [asɔw] | [asɔ] |
| iv. | /sɪwɔ/ | [sɪw] | [sɪ] |
| v. | /dɔwɔ/ | [dɔw] | [dɔ] |
| vi. | /ɛɪwɔ/ | [ɛɪw] | [ɛɪ] |

4.4.2 Konsonante ne Asensin Yera

Akuapem mu no, sɛ mmɔbɔɛ konsonante /r/ hyɛ baworo abien a wɔn su yɛ pɛ ntam a, ɛyera ne ka mu ne titiriw wɔ Akwamu ne Kamena mu. Ofie mu no, mpen pii wɔka mmɔbɔɛ konsonante no.

Nhweso a ɛwɔ ase ha da eyi adi.

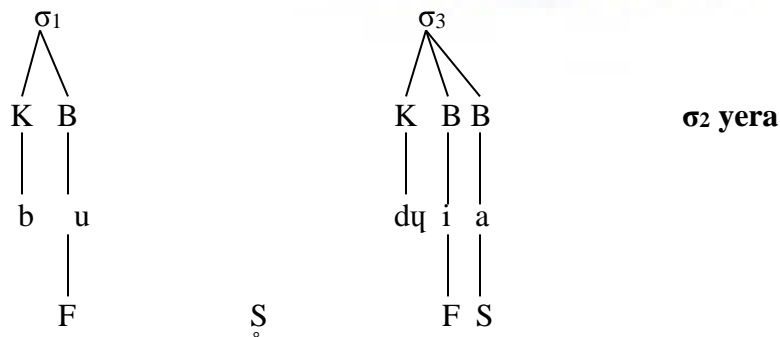
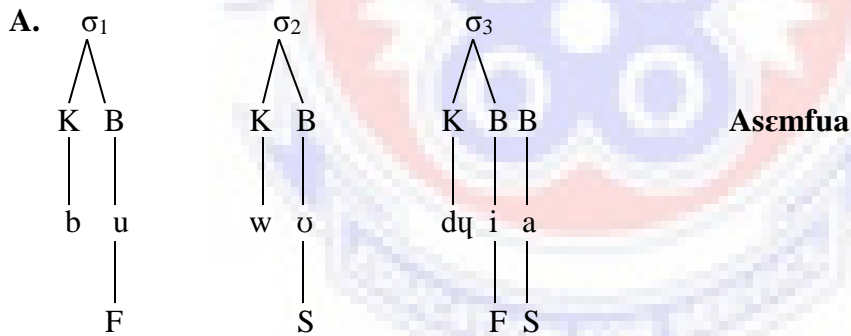
43.	Asɛmfua	Ofie	Akwamu/Kamena
i.	/obiara/	[obiara]	[obiaa]
ii.	/biribi/	[biribi]	[biibi]
iii.	/nĩna + ara/	[nĩnara]	[nĩnaa]
iv.	/ɛji + ara/	[ɛjiara]	[ɛjiaa]
v.	/birɪ + biara/	[birɪ biara]	[birɪ biaa]
vi.	/ɛnɔ + ara + nen/	[ɛn ^h ɪ aa nen]	[ɛnɔ aa nen]/[ɛnaa nɪ]
vii.	/wɔn + nĩna + ara/	[wo nĩnara]	[wo nĩnaa]/[wo nĩnaa]

Asensin konsonante ne baworo (KB) betumi ayera wɔ ɔhyɛ kasasin mu bere a ɔdede edin kasasin a edi kan (EDK₁), a ɛhyɛ ɔyɛtia beae yɛ ankonam edinnsiananmu a ɛtɔ so abien /wɔ/ (Abakah, 2004). Ansa na asensin no betumi ayera no, ɛsɛ sɛ konsonante hyɛ edin kasasin a ɛtɔ so abien (EDK₂) no ase. Sɛ edinnsianamu no yera a, ne tuon no nnyera, mmom ɛyɛ agyanka. Ne ka mu no, wɔtwe baworo a ɛwɔ adeyɛ mu ma baworo a ɛtɔ so abien (B₂) kɔsoa agyanka S no sɛnea ɛda adi wɔ nhweso (44 a, b, f, h) mu. Nhweso (44 c, d, e, g) mu no, B₂ kɔsoa agyanka F a ɛwɔ edinnsiananmu no mu.

44. Asemfua Akuapem

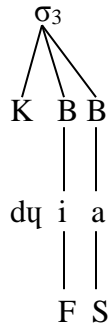
- a. b̀̀ ẃ́ ìpáí b̀̀.ó.ìpáí
- b. bù ẃ́ dɔ́á bù.ú.dɔ́á
- c. jì ẁ̀ òsá j̀̀.ù.òsá
- d. t̀̀ ẁ̀ nán t̀̀.ù.nán
- e. ɛ̀ɛ̀ ẁ̀ h́́ ɛ̀ɔ̀.ò.h́́
- f. ɛ̀ɛ̀ ẃ́ ń́á ɛ̀ɔ̀.ó.ń́á
- g. jì ẃ́ dí j̀̀.ú.dí/ j̀̀.ù.dí
- h. b̀̀ ẃ́ dám b̀̀.ó.dám

Yenhwe eyi wɔ nnyegyeyi ahosodi dwumadi so. Agyinaehyede σ yi gyina hɔ ma asensin.

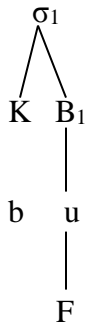




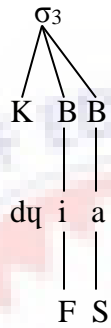
u
⋮
S



Ntwemu baworo soa Agyanka S



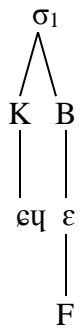
B₂
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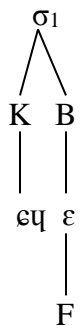
Awiei

[bù.ú.dùíá]

B.



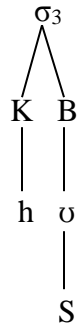
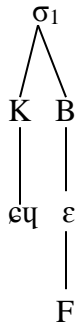
Asemfua



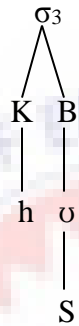
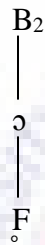
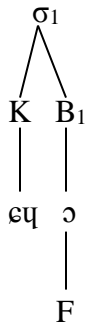
F



σ₂ yera



Ntwemu baworo soa Agyanka F



Awiei

[εὴ.̀.̀.̀hõ]

4.5 Baworo Mmamuso

Podile (2002:65) ada no adi wɔ Ezinwanne ne Onyebuchi (2013) mu akyerɛ baworo mmamuso mu sɛ, ɛyɛ fɔnɔlɔgyi kwan a ɛkyerɛ sɛnea nnyegyɛi (baworo) bi yɛ mu no, tɛkrɛma no ma so kɔ soro bere a ayɛ krado sɛ ɛrebɛyɛ soro baworo nnyegyɛi bi a ɛtoa ne so. Baworo mmamuso da adi wɔ Akan adeyɛ nkakuho mu (Adomako 2012, Abakah 2013b). Eyi kyere sɛ, nkakuho mu no fam baworo /a/ a ɛwɔ adeyɛ asennua mu betumi ama so akɔyɛ /e/ anaa /ɪ/ bere a ɛgyina kuw a adeyɛ asennua no fi mu so.

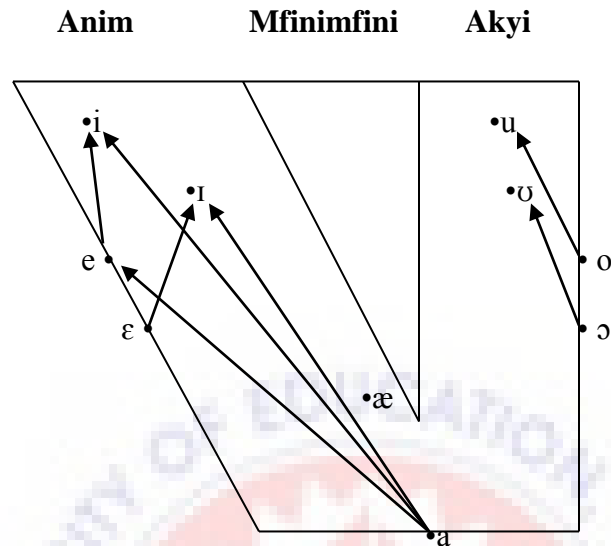
4.5.1 Akan Adeye Nkyekyemu

Abakah (2015) agyina tuon so akyekye Akan adeye mu ako kuw abiesa mu. Kuw a edi kan ye adeye a ekita S nkutoo se ebia: **jí, táń, ɛ́, tú**. Kuw a eto so abien ye adeye a ne tuon nhyehyee ye SF wo Fante mu na eye FS wo Akuapem ne Asante mu. Akuapem ne Asante mu no, se ebia: **bìsá, kàsá, sòmá, pòsá**. Adeye kuw a eto so abiesa tuon nhyehyee ye FS wo Akan kasa nkorabata no nyinaa mu. Se ebia: **sùmá, kùrá, teiréw**. Esiane se tuon a ewo adeye kuw II ne III mu ye biako wo Akuapem mu nti, mesusuw kuw abien (I ne II) de ama adeye kuw no wo dwumadi yi mu. Kuw II no gyina ho ma adeye kuw II ne III nyinaa.

Adeye kuw I mu no, baworo /a/ tumi ko soro koye /i/. Se konsonante no ye dadamu konsonante a, fam baworo no ma so koye /i/. Adeye kuw II ne III mu no, baworo no ma so koye /e/. Afei adantam baworo /ɔ/ ne /o/ nso tumi ma so koye /u/ anaa /u/, na /ɛ/ ne /e/ nso ma so koye /i/ ne /i/. Eyi nyinaa mu no, baworo a ewo adeye asennua ne baworo a ewo mmoho no mu sae wo biakoye mu, se eye [+/-Kan] anaa [+/-Kurukuruwa]. Feng-Fan (2012) nso kyere se, wo Sinitic kasa mu no, fam baworo /a/ tumi ma so koye /e/. Sa ara nso na Ezinwanne ne Onyabuchi (2013) kyere se, Nkpor kasa nkorabata mu no, adantam baworo /e/ tumi ma so koye /i/ anaa /i/.

Mfoni a ewo akyi no kyere senea baworo no mu biara tumi ma so koye wo Akuapem mu. Mede ofa yi foa so akyere see, senea Adomako (2012) kyere se esi wo Asante kasa mu no, saa ara na esi wo Akuapem kasa mu nso.

Mfoni 4.1 Baworo Mmamuso Mfoni



(hwe Abakah, 2013b)

Baworo Mmamuso wɔ Adeyɛ Kuw I mu.

Nea ekita asensin biako (KB).

45.	Adeyɛ	Nkakuho
i.	fá	fɪ-fá
ii.	dzé	dʒɪ-dzé
iii.	te ^u á	te ^u ɪ- te ^u á
iv.	dá	dɪ-dá
v.	tó	tɔ-tó

Nea ekita asensin abien Konsonante, Baworo ne Waa-mframa puei nnyegyeyi (KBW). Asensin nhyehyee a ɛwɔ nhweso (39) mu nyinaa ye KBKB wɔ asemfua (adeyɛ) no mu. Konsonante /m, n, w/ na etumi twa asemfua to wɔ Akuapem mu bere a baworo a etoa konsonante yinom bi so ye [+Soro] mmom eyera wɔ ne ka mu.

46.	Adeye	Nkakuho
i.	pám	pùm-pám
ii.	káj	kìj-káj
iii.	séw	sì-séw
iv.	tój	tòn-tój
v.	dzáw	dzi-dzáw

Eda adi wɔ nhweso yi mu se, bere biara baworo a ema so no wɔ mmɔho a ekita F no mu. Afei baworo a ama so ne nea ewɔ adeye asennua mu nso sae wɔ [+/-Kan], [+/-Kurukuruwa] biakoye mu. Nhweso (45 iii) ne (46 v) mu no, baworo a ewɔ mmɔho ne adeye asennua mu nsae wɔ biakoye mu bere a baworo a ewɔ adeye asennua mu ye [+fam] baworo /a/. Baworo a ewɔ mmɔho mu ye [+Kan] bere a nea ewɔ adeye asennua mu ye [-Kan].

Baworo Mmamuso wɔ Adeye Kuw II ne III mu.

Fam baworo /a/ a ewɔ adeye kuw yi mu ma so koye /e/ wɔ Akuapem mu. Bere biara baworo a ema so no wɔ adeye asennua a ne tuon nhyehyee ye FS no mu.

Nea Asensin Nhyehyee ye KBWB

47.	Adeye	Nkakuho
i.	ɛirà	ɛiré-ɛirà
ii.	kùrà	kùré-kùrà
iii.	dzíná	dziné-dzínà
iv.	bìsá	bìsé-bìsà

Nea Asensin Nhyehyee ye KBB

48.	Adeye	Nkakuho
i.	t ^ɔ íá	t ^ɔ íé-t ^ɔ íà
ii	ɛíá	ɛíé-ɛíà
iii.	d ^ɔ íá	d ^ɔ íé-d ^ɔ íà
iv.	teíá	teíé-teíà
v.	ɸíá	ɸíé-ɸíà

Ɛkɔba sɛ baworo a ɛwɔ adeye asennua mu nyinaa wɔ su biako a, baworo mmamusu nni dwuma wom senea ɛda adi nhweso (49) mu no.

49.	Adeye	Nkakuho
i.	kàsá	kàsá-kàsà
ii.	hàtá	hàtá-hàtà
iii.	kàtá	kàtá-kàtà
iv.	bàtá	bàtá-bàtà

Nea enti a eyi ba saa ne sɛ, baworo a ɛwɔ asensin a edi kan wɔ mmɔho (nea ne tuon ye FF) ne baworo a etwa to wɔ adeye asennua (nea ne tuon ye FS) mu wɔ su biako a ɛye [-Kan]. Eyi nti, emma tɛkrɛma no nnye krado, nkɔ soro, sɛ ebeye [+Kan] nnyegyeyi biara.

4.6 Nnyegyeyi Beasesa²⁶

Spencer (2002:68) kyere nnyegyeyi beasesa mu sɛ, ɛye bere a nnyegyeyi aba san hyehye foforo. Okyere sɛ, ɛye ade a edi dwuma wɔ wiase kasa nyinaa mu na mpen pii no ɛtaa pue wɔ kasamfomoe mu. Oyebade (1998) ada no adi wɔ Owulah (2014) mu nso kyere nnyegyeyi beasesa mu sɛ ɛye bere a asemfua bi ka mu no, nnyegyeyi aba abien a

εtoa so pεε di nsesa wɔ ne nhyehyεε mu. Akuapem mu no, nsemfua binom wɔ hɔ a, n'asensin nhyehyεε di nsesa sa ara wɔ ne ka mu. Εwɔ mu sε, nnyegyeyi no bi di nsesa de, nanso εnsesa asemfua ne ntease.

	Bɔbea	Asensin Nhyehyεε
50.	a. ma.ni (ma ₁ .ni ₂)	K ₁ B ₁ .K ₂ B ₂
	b. mi.na (mi ₁ .na ₂)	K ₁ B ₂ .K ₂ B ₁
51.	a. tε.kr.ε.ma (tε ₁ .kr ₂ .ε ₃ .ma ₄)	K ₁ B ₁ .K ₂ K ₃ .B ₂ .K ₄ B ₃
	b. kε.tr.ε.ma (kε ₁ .tr ₂ .ε ₃ .ma ₄)	K ₂ B ₁ .K ₁ K ₃ .B ₂ .K ₄ B ₃
52.	a. ba.ta.ka.ri (ba ₁ .ta ₂ .ka ₃ .ri ₄)	K ₁ B ₁ .K ₂ B ₂ .K ₃ B ₃ .K ₄ B ₄
	b. ba.ka.ta.ri (ba ₁ .ka ₃ .ta ₂ .ri ₄)	K ₁ B ₁ .K ₃ B ₃ .K ₂ B ₂ .K ₄ B ₄
53.	a. kwa.a.kwa.a.le.bi	K ₁ K ₂ B ₁ .B ₂ .K ₃ K ₄ .B ₃ .B ₄ .K ₅ B ₅ .K ₆ B ₆
	b. kwa.a.kwa.a.de.bi	K ₁ K ₂ B ₁ .B ₂ .K ₃ K ₄ .B ₃ .B ₄ .K ₅ B ₅ .K ₆ B ₆
54.	a. tu.mi (tu ₁ .mi ₂)	K ₁ B ₁ .K ₂ B ₂
	b. ti.mu (ti ₁ .mu ₂)	K ₁ B ₂ .K ₂ B ₁

4.7 Muabɔ

Ɔfa yi ahwe asensin nhyehyεε akwan wɔ Akuapem mu. Ada adi sε, Akuapem tumi de konsonante ye nhyemu. Afei ɔfa yi ahwe konsonante mfofɔreso ntweso, na ada adi sε dadamu- betεε konsonante /k/ ne konsonante a wɔkwati no dodow pa ara. Ada adi bio nso sε, bere biara nhyemu baworo fa F. Sε nhyemu baworo no wɔ asemfua hɔho no mfinimfini a, ebetumi afem F a εwɔ asensin a εwɔ n'anim anaa εtoa ne so no. Afei nhyemu baworo a εwɔ asemfua n'awiei nso fem F a εwɔ asensin a etwa to wɔ asemfua hɔho mu. Afei ada adi sε, fam baworo /a/ tumi ma so kɔye /ɪ/ wɔ adeye kuw I mu na εma

so kɔyɛ /e/ wɔ adeyɛ kuw II ne III mu. Bio, edaa adi sɛ, sɛ baworo a ɛwɔ adeyɛ kuw I mu yɛ [+fam] baworo /a/ na konsonante a ɛhyɛ baworo n'anim yɛ dadamu-denden ne se-akyi /d͡z/ ne anofafa ne dadamu-denden /t͡s/ a, baworo a ɛwɔ adeyɛ asennua mu ne baworo a ɛwɔ mmɔho mu nsae wɔ biakoyɛ mu. Ada adi sɛ nnyegyeyi beasesa da adi wɔ Akuapem mu. Ɔfa a etoa no kasa fa tuon ho.



ƆFA ANUM

TUON

5.0 Nnianim

Ɔfa yi kasa fa tuon ho wɔ Akuapem kasa nkotabata mu. Ehwɛ tuon dwumadi wɔ kasammara mu, tuon ne ɔdede nhyehyɛe, daakye kabea mɔɔfem tuon ne adeye tuon nhyehyɛe ne tuon nsesamu wɔ Akuapem mu.

5.1 Tuon: Asekyere

Akan ye kasa a efi kasakuw a yefrɛ no 'Kwa' mu. Kwa kasakuw nso fi kuw baatan 'Volta Congo' mu. Wiase kasahorow no ara na ɛde tuon di dwuma. Akuapem kasa nso ka saa kasahorow yi ho. Akuapem de tuon di dwuma yiye wɔ kasa no mu na ansa na obi bɛka asem ama adi mu no, gye sɛ ɔde tuon di dwuma yiye ansa. Kasahonimdefo pii adwenkyere ne sɛ, ansa na obi betumi ahyɛ toun adesua/dwumadi ase no, gye sɛ wahyɛ peekye ase esiane sɛ, eye peekye na ɛbɛma nsesae aba ɔkasa/asɛmfua no mu na aboa ma yɛahu sɛ kasa no ye tuon kasa (Abakah, Amissah ne Ofori, 2010). Dolphyne (2006) kyere peekye mu sɛ, eye mpɛmpɛnso a nnyegyeyi bi anoden kodu. Mallet, (2001) ne Ladefoged, (2001) nso kyere tuon mu sɛ, eye peekye nsesamu a ɛde ntease nsosonoe ba nɛmfua mu so.

5.2 Tuon Kasa²⁷

Roach (1991), Yip, (2006) ne Hayes, (2009) kyere tuon kasa mu sɛ, eye kasa a peekye a ɛwɔ ɛnne so tumi de nsonsonoe anaa nsesae ba nɛmfua ntease mu so. Akuapem

nso ye tuon kasa saa ara. Eyi kyere se, tuon na eboa ma yete nsemfua binom ase. Se ebia wo Akuapem ne Kono nhweso a ewo ase ha yi. Kono ye tuon kasa a ewo Abibiman Atwe fam (Roach, 1991).

Akan	Kono
pápá	béŋ ‘wɔfa’
pàpá	
pàpà	béŋ ‘anibre’

(Roach, 1991:136)

5.3 Tuon Ahorow

Peekye a ewo nnyegyeyi so no, Ladefoged (2001) kyere se egyina dweedweewa so. Okyere se, okasa mu no mframa a efi ahrawa mu reba no tumi ma dweedweewa no wosow ntentem a ema yenya peekye a ewo soro, anaa bokoo a ema yenya peekye a ewo fam. Se peekye no ko soro a, ema yenya Soro toun a yede agyinaehyede [‘] yi na ekyerε. Se peekye no ko fam nso a, ema yenya Fam toun a yede agyinaehyede [`] yi na ekyerε. Tuon ahorow abien yi na ewo Akuapem mu. Efi ha ko no mede ‘S’ begyina ho ama soro tuon na mede ‘F’ nso begyina ho ama fam tuon.

Abakah (2010a) kyere se, S a ewo Akan mu no wo ‘alotoun’ a wofre no fam gyina a yede agyinaehyede (‘S’) yi na ekyerε. Ene se Akan tuon kasasin mu no, se yenya tuon nyehyee SFS anaa SFS wo okasamu anaa asemfua mu a, S a eto so abien ne peekye so hwan, eso tew anaa eba fam sen S a edi kan no wo asemfua ne ka mu (Abakah, Amissah ne Ofori, 2010).

Ɛto mmere bi a, ɔkasa mu no, sɛ tuon abien (F ne S anaa S ne F) toa so pɛɛ anaa ɛben ho wɔ asemfua bi nhyehyɛ mu na tuon foforo biara nhyɛ wɔn ntam a, ɛnne a ɛwɔ asemfua no ne ka mu no ma yenya mforoe anaa nsanee tuon wɔ ne tuon nhyehyɛ mu.

Nhwɛso (55a) ne (55b) yɛ mforoe tuon na (55d) ne (55e) nso yɛ nsanee tuon.

55. Nhwɛso

a. $\frac{\text{Kwàápàá}}{\quad}$

b. $\frac{\text{Kòó}}{\quad}$

d. $\frac{\text{òbúì}}{\quad}$

e. $\frac{\text{jètóì}}{\quad}$

5.4 Tuon Agyamafa²⁸

Tuon ahorow abien (S ne F) a ɛwɔ Akuapem mu no, tuon agyamafa a ɛwɔ mu ne F. Kasa biara nso a ɛwɔ tuon abiesa no, adantam tuon ne tuon agyamafa no. Akuapem nsemfua binom wɔ hɔ a, wonni wɔn ankasa wɔn tuon pɔtee a efa, kyere sɛ, ebetumi afa S anaa F esiane baabi a ɛhyɛ wɔ ɔkasamu no mu nti. Nsemfua/edin binom a ɛtete saa (nea enni n'ankasa tuon) no, tuon agyamafa a ɛyɛ F na wɔde ka anaa mɔɔfem no fa.

Baabi a ɛsɛ wɔ dwumadi yi mu no, mede Akuapem kasa no betoto Akan kasa nkorabata Asante ne Fante ho. Mede (Fa) ne (As) begyina hɔ ama Fante ne Asante.

5.5 Tuon ne Kasammara

Ɔkasa bi ho mmara kyerekyere ɔkwan pa bi a asemfua anaa nsenkuw bi a ɛwɔ ɔkasamu no mu tumi di ɔfoforo akyi a ne ntease nso tumi da hɔ fann na obiara te ase.

Akan kasammara fapem gyina tuon so (Dolphyne, 2006). Ene sɛ, Akan mu no, sɛ wobete asem bi ase a, gye sɛ tuon di dwuma wɔ ɔkasamu anaa asemfua no mu so. Eyi nti sɛ yɛnya nsemfua abien anaa abiesɛ a wɔn akyerɛwde yɛ pɛ mpo a, gye sɛ tuon na ebetumi aboa wɔ ne ntease mu sɛnea nhweso (56) da no adi no.

Nhweso

56. ɔbɔfɔ dá kɔ!kɔ (Fa)

ɔbɔ!fɔ dà kɔkɔ

(hwɛ Dolphyne, 2006)

Saa ara nso na yetumi gyina tuon so hu nsonsonoe a ɛda kabea ahorow a ɛwɔ Akan (Akuapem) mu.

5.5.1 Kasammara Dwumadi²⁹

Tuon a wɔde ka nsemfua (mɔɔfem) binom wɔ ɔkasamu anaa kasasin bi mu tumi sesa kabea a ɔkasamu no wɔ mu dedaw kɔ kabea foforo mu. Tuon dwumadi wɔ kasammara mu kyere ntease foforo a sɛ mɔɔfem bi a ɛwɔ ɔkasamu/kasasin mu tuon sesa a, yetumi nya. Ɔfa yi mu no, megyina tuon so ahwe nsonsonoe a ɛda daabi ne ɔhye nhyehyee, daa kabea ne twam kabea nhyehyee ne anamɔntu nsianim mu. Metoa so ahwe tuon ne adeye ntoaso nhyehyee. Dwumadi yi bi wɔ hɔ a, medi no wɔ ntotoho kwan so na ebi nso wɔ hɔ a mekyere sɛnea esi wɔ Akuapem kasa nkorabata no nyinaa mu.

5.5.1.1 Daabi ne Ɔhye

Dolphyne (2006) ne Osam (2003) kyere sɛ Akan mu no, daabi ne ɔhye mɔɔfem no nyinaa yɛ se-akyi hwenem konsonante /n/. Saa konsonante yi kita F wɔ daabi mu na ekita

S wɔ ɔhye mu. Akuapem mu no se daabi ne ɔhye mɔɔfem no ne adeye a ewɔ kuw I (nea ne tuon ye S nkutoo) mu hyia a, Akuapem kasa nkorabata no nyinaa de tuon/enne biako na eka ɔkasamu no senea eɔa adi wɔ nhweso (57) mu no.

Nhweso

- | 57. Daabi | ɔhye |
|------------------|-------------|
| a. míṅkòfá bì | míṅkófá bì |
| b. jénkòdzé bì | jénkódzè bì |
| d. wónkòtú bì | wónkótú bì |

Mmom se adeye no wɔ adeye kuw II ne III (nea ne tuon nhyehyee ye FS wɔ Akuapem ne Asante) mu a, Akwamu ne Kamena de FS na eka adeye no na Ofie de SF na eka adeye no wɔ daabi ne ɔhye mu. Nhweso (58) da eyi adi.

Nhweso

- | 58. Daabi | ɔhye |
|----------------------|----------------------|
| Akwamu/Kamena | Akwamu/Kamena |
| a. míṅkòbísá ò | míṅkóbísá ò |
| b. míṅkòsómá ò | míṅkòsómá ò |
| c. jénkòeíá ò | jénkóeíá ò |
| Ofie | Ofie |
| a. míṅkòbísá ò | míṅkóbísá ò |
| b. míṅkòsómá ò | míṅkòsómá ò |
| c. jénkòeíá ò | jénkóeíá ò |

5.5.1.2 Daa Kabea ne Twam Kabea

Yetumi gyina tuon so hu nsonsonoe a εda daa ne twam mu. Daa kabea tuon nhyehyεe mu no, Ofie ne Akwamu de F na εka adeye no wɔ bere a Kamena de S. Twam kabea mu no, sε ɔyεtia di adeye akyi a, wɔtwe baworo a etwa adeye no to mu, mmom sε konsonante twa adeye no to a, tuon na εboa ma yetumi hu nsonsonoe a εwɔ daa kabea ne twam kabea ntam (Dolphyne, 2006). Akuapem mu no, Osam (2003) kyere sε F na wɔde ka twam kabea nsiakyi no wɔ bere a adeye no ye S senea esi wɔ Fante kasa nkorabata a εwɔ Akan mu no. Senea Osam kyere sε esi wɔ Akuapem mu no kɔ so wɔ Akwamu ne Ofie nkutoo mu. Kamena mu no, wɔde F na εka adeye ne twam kabea nsiakyi no nyinaa senea esi wɔ Asante kasa mu no. Nhweso (59) da eyi adi.

Nhweso

59. Daa Kabea	Twam Kabea
Ofie/Akwamu/Fante	Ofie/Akwamu/Fante
a. wòkà wòḡ kás'á	wòká-à wòḡ kás'á/kàsáá
b. mìjé àdzúmá	mìjé-è àdzúmá
c. wòsà ìmmràní	wòsá-à ìmmràní
d. mìtám bì	mìtám bì
Kamena/Asante	Kamena/Asante
a. wòká wòḡ kás'sá	wòkà-à wòḡ kás'sá
b. mìjé àdzúmá	mìjé-è àdzúmá
c. wòsà ìmmràní	wòsà-à ìmmràní
d. mìtám bì	mìtám bì

5.5.1.3 Nkɔɛ/Mmae Anamɔntu Nsianimu

Sɛ anamɔntu nsianim /kɔ/ a efi adeyɛ ‘kɔ’ ne /bɛ/ a efi adeyɛ ‘ba’ a ɛkyerɛ anamɔntu a efi beae a akasafo no wɔ ba anaa fi akasafo no nkyen kita F wɔ Akuapem mu (Osam 2003:10). Sɛ nsianim yi ne adeyɛ a wɔaka aku ho anaa adeyɛ kuw II ne III hyia a, Ofie ne Kamena de S na ɛka mmɔho ne asensin a edi kan wɔ adeyɛ no mu bere a wɔde F na ɛka adeyɛ asennua no. Akwamu de FS na ɛka mmɔho ne adeyɛ asennua no. Nhweso (60) da eyi adi.

Nhweso

60.	Ofie	Akwamu	Kamena
a.	òbèssìsàw	òbèssìsáw	òbèssìsà
b.	mìbèteqúteqùw	mìbèteqùteqúw	mìbèteqítwì
d.	òbèbìsà ñ	òbèbìsá ñ	òbèbìsà ñ
e.	bédídì	bédídí	bédídì
ɛ	òkòtèitéè	òkòtèitéé	òkòtèitéè
f.	òkòbìsà ñ	òkòbìsá ñ	òkòbìsà ñ
g.	òkòjǐjì	òkòjǐjí	òkòjǐjì
h.	kógùàrí	kógùàrí	kógùàrí

Nhweso (60 e) mu no, Ofie ne Akwamu de S na ɛka mmae mɔɔfem no wɔ bere a Kamena de F na ɛka.

5.6 Tone ne Adeyɛ Ntoaso Nhyehyɛ

Adeyɛ ntoaso yɛ sentaase dwumadi bi a adeyɛ abien anaa nea eboro saa tumi pue wɔ ɔkasamu mu a nkabomde biara nni adeyɛ no ntam. Durie (1997) ada no adi wɔ Osam

(2003) mu kyere adeye ntoaso mu se, eye nhyehyee bi a adeye abien anaa nea eboro saa tumi didi so wo okasamu mu na emu (adeye) biara adwen anaa dwumadi mu no eka bom di dwuma se adeye biako. Adeye ntoaso nhyehyee mu no, kabea a adeye a edi kan beko mu no, saa ara na adeye a eto so abien ne nea etoa so nso beko mu nanso enye bere biara na eyi si (se wope eyi ho nkyeremyemu paa ara hwe Osam, 2003). Adeye ntoaso nhyehyee mu no, se adeye a edi kan wo daakye anaa ensii mu a, adeye a eto so abien no fa nsianim /à/. Saa nsianim yi ne adeye asennua no nyinaa kita F wo Fante mu (Osam, 2003). Akuapem mu no, nsianim no kita S bere a adeye asennua no kita F. Nhweso (61) de eyi to gua.

Nhweso

61. Fante

- a. kòfí rí-jì bàjntéi nó à-mà ésí.
- b. kòfí bé-jì bàjntéi nó à-mà ésí.

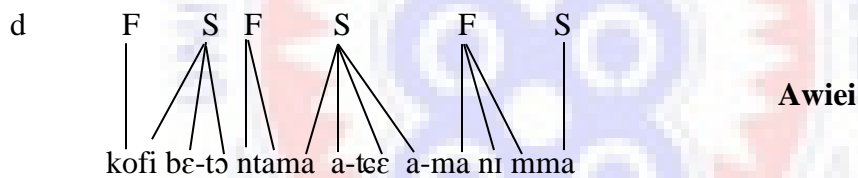
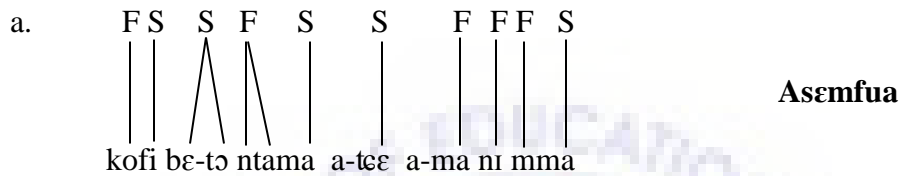
(Osam, 2003)

62. Akuapem

- a. kùmí bé-tú bàjntéi á-teè nì jírí.
- b. jàw bé-srè ntámá á-mà ní mààmí. (Akwamu/Kamena)
jàw bé-sfè ntámá á-mà ní mààmí. (Ofie)
- c. kòfí bé-tó ntámá á-teé á-mà nì mmá.
- d. kwààtéi bé-dzé nárí á-teíw á-tón á-mà wòj.
- e. á'má bé-jí síká á-tò àtààrí á-teè nàné æk⁴íá.
- f. kwàsí rí-fà àtààrí á-kò ædzúmá.
- g. kwàámí ré-jì nì mpàbùá á-tò àbrànàá nó sò.

Se adeye a eto so abiesa toa adeye a eto so abien so pɛɛ wɔ okasamu mu a, S a asensin a etwa to wɔ edin a eto so abien mu no tene kɔ nifa so kɔto nsianim a ɛwɔ adeye a eto so abien so na S tuon a ɛwɔ adeye a eto so abien nso tene nifa so kɔto nsianim a ɛwɔ adeye a eto so abiesa so senea ɛda adi wɔ nhweso (62 c, d) mu no.

Yenhwe eyi wɔ ahosodi dwumadi yi so.



Bio, se adeye a edi kan ne nea eto so abien nyinaa wɔ twam kabea mu a, Ofie ne Akwamu de SF na ɛka adeye no wɔ bere a Kamena de F nkutoo na ɛka adeye no.

Nhweso

63. Ofie/Akwamu Kamena/Asante

- | | |
|---------------------------------------|-------------------------------------|
| a. kwàsí sí-ì dáj tɛé-è kwàámì | kwàsí sì-ì dáj tɛè-è kwàámì |
| b. kwàámì tú-ù àmòná má-à mì | kwàámì tù-ù àmòná mà-à mì |
| d. ɛf ^w úá sáw òsú má-à nò | ɛf ^w úá sà-à òsú mà-à nò |

5.7 Daakye Kabea Mɔɔfem Tuon ne Adeye Tuon Nhyehyee

Daakye kabea mɔɔfem kyere biribi a da bi wobeye, anaa biribi a obi beye. Akan de nsianim /bé/ si adeye anim de kyere ne daakye kabea dwumadi (Osam, 2003). Bere biara wɔkyerew mɔɔfem no de bata adeye no ho na ne tuon nso a ekita ne S (Dolphyne, 2006). Eto mmere bi a, mɔɔfem yi nkyere se dwumadi bi bekɔ so daakye mmom ekyerɛ tumi a ɔyefo no betumi adi dwuma a adeye no rekyere bere a ebata ebia-tumi tebeasem *tùmi* ho (Osam, 2003). Esiane se bere biara mɔɔfem no bata adeye ho na ekyerɛ se afei na adeye dwumadi bi bekɔ so nti, wɔfa no se eye daakye mɔɔfem mmom etumi nso di dwuma se ebia-tumi tebeasem anaa ɔhye-akwansre nsem (Owusu, 2014).

Ɔfa 4.7 mu no, migyina tuon nhyehyee a Abakah (2015) gyinaa so kyee Akan adeye mu kɔ akuw abiɛsa mu susuw akuw abien de maa Akuapem kasa. Adeye Kuw I a ne tuon nhyehyee ye S nkutoo ne adeye kuw II ne III a wɔn tuon nhyehyee ye FS. Se daakye kabea mɔɔfem no ne adeye kuw I hyia a, tuon nsesae biara nna adi wɔ Akuapem mu senea eɔa di wɔ nhweso (64) mu no.

64.	Edinnsianamu	Daakye Nsianim	Adeye	Akuapem
a.	mi	bé	tám	métám
b.	mi	bé	dá	médá
d.	mi	bé	jí	méjí
e.	mi	bé	dzé	médzé

Eba se daakye kabea mɔɔfem ne adeye kuw II anaa III hyia a, tuon nhyehyee soronko na eɔa adi wɔ Akuapem mu. Ene se, S a ewɔ daakye kabea mɔɔfem /bé/ mu, tene kɔ baworo (asensin) a edi kan wɔ adeye no so yi ne F no fi ho. F no beye tuon agyanka na emfa fam gyina mma mmom, eno nso tene koyi S a etoa ne so (nea ewɔ asensin a etwa to)

fi ho ma ekoye tuon agyanka wo nifa fam wo Ofie mu. Akwamu ne Kamena mu no, daakye kabea moofem S no nni dwuma biara wo adeye tuon no so.

Eyi da adi wo nhweso (65) mu.

65.	Asemfua	Ofie	Akwamu/Kamena
a.	o + bé + sòmá + no	òbésómà ò	òbésòmá ò
b.	àbíńá + bé + sòmá	àbíńá bésómà	àbíńá bésòmá
d.	mi + bé + teiré + no	méteirè ò	méteiré ò
e.	mi + bé + sàkrá + no	mésàkrà ò	mésàkrá ò
ε.	mi + bé + ciá + no	mécíà ò	mécíá ò
f.	mi + bé + tùá	métúà	métúá
g.	mi + bé + sòrí	mésòrí	mésòrí

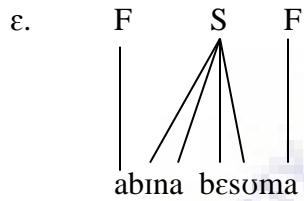
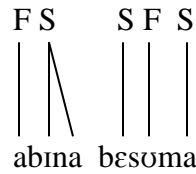
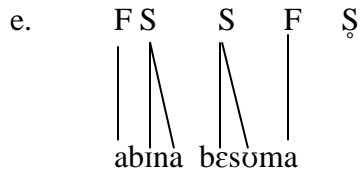
Yehwe nhweso (65 a, b, d, e, ε) mu a, eda adi se adeye tuon nhyehyee a etwa to wo Ofie mu ye FF bere a nea ewo Akwamu/Kamena mu ye SF. Nhweso (65 f, g) mu no, adeye tuon nhyehyee a etwa to no ye SF wo Ofie mu bere a eye FS wo Akwamu/Kamena mu.

Yenhwe eyi wo nnyegyeyi ahosodi dwumadi so.

66.	Ofie	Akwamu/Kamena	Asemfua												
a.	<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">F S</td> <td style="text-align: center;">S F S</td> </tr> <tr> <td style="text-align: center;"> \</td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;">abina</td> <td style="text-align: center;">besoma</td> </tr> </table>	F S	S F S	\		abina	besoma	<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">F S</td> <td style="text-align: center;">S F S</td> </tr> <tr> <td style="text-align: center;"> \</td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;">abina</td> <td style="text-align: center;">besoma</td> </tr> </table>	F S	S F S	\		abina	besoma	Asemfua
F S	S F S														
\															
abina	besoma														
F S	S F S														
\															
abina	besoma														
b.	<table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">F S</td> <td style="text-align: center;">S F S</td> </tr> <tr> <td style="text-align: center;"> \</td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;">abina</td> <td style="text-align: center;">besoma</td> </tr> </table>	F S	S F S	\		abina	besoma	_____	S Tene						
F S	S F S														
\															
abina	besoma														



Agyanka Tuon Tene



Awiei

[àbíná bésómà]

[àbíná bésòmá]

Dwumadi yi so no, (66a) ne asemfua no. (66b) mu no, S a εwɔ daakye kabea mɔɔfem no so tene kɔ baworo (asensin) a edi kan wɔ adeye no so yi ne F no fi hɔ ma ɛbeye agyanka. F no mfa fam gyina mmmma, mmom etene kɔ baworo (asensin) a etwa to wɔ adeye no so yi ne S no fi hɔ ma ɛkɔye tuon agyanka wɔ Ofie wɔ (66d) mu. (66ε) ne awiei no.

Sε edinnsiananmu a edi dwuma sε ɔyεfo yε biakofo edinnsiananmu a edi kan, nea εtɔ so abien ne dodow edinnsiananmu a εtɔ so abien a, daakye kabea mɔɔfem S no tene kɔ edinnsiananmu yi so. Eɛsan tene kɔ baworo (asensin) a edi kan wɔ adeye asennua no so yi ne F no fi hɔ ma εno nso tene kɔ baworo (asensin) a etwa to wɔ adeye asennua no so wɔ nhweso (67 a, b, ε) wɔ Ofie mu. Akwamu ne Kamena mu no, daakye kabea mɔɔfem S no tene kɔ edinnsiananmu no pε so wɔ nhweso (67 a, b, ε) mu. Biakofo edinnsiananmu a εtɔ so abiesa, dodow edinnsiananmu a edi kan ne nea εtɔ so abiesa fa agyamafa tuon wɔ Akuapem kasa nkorabata no nyinaa wɔ nhweso (67 a-f) mu. Nea Akwamu ne Kamena ka

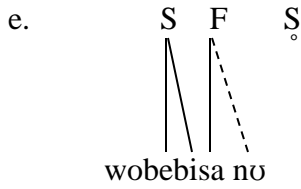
no ye pe na eɔa nso fi nea Ofie ka no ho. Baworo a eɔa edinnsiananmu no mu ne baworo a edi kan wɔ adeye no mu sae wɔ biakoye mu.

Nhweso a eɔa ase ha da eyi adi.

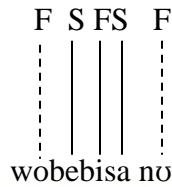
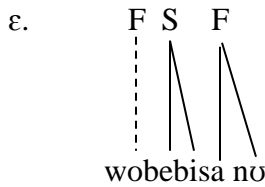
67.	Asemfua	Ofie	Akwamu/Kamena
a.	mi + bé + bisá + nɔ	mébísà ò	mébísà ò
b.	wɔ + bé + bisá + nɔ	wúbébisà ò	wúbébisà ò
d.	ɔ + bé + bisá + nɔ	òbébisà ò	òbébisà ò
e.	je + bé + bisá + nɔ	jébébisà ò	jébébisà ò
ε.	mɔ + bé + bisá + nɔ	móbébisà ò	móbébisà ò
f.	wɔ + bé + bisá + nɔ	wòbébisà ò	wòbébisà ò

Yenhwe eyi wɔ nnyegyeyi ahosodi dwumadi so.

68.	Ofie	Akwamu/Kamena	
a.	$\begin{array}{c} S F S \\ \\ \text{wobebisa n}\text{ɔ} \end{array}$	$\begin{array}{c} S F S \\ \\ \text{wobebisa n}\text{ɔ} \end{array}$	Asemfua
b.	$\begin{array}{c} S F S \\ \text{---} \\ \text{---} \\ \text{wobebisa n}\text{ɔ} \end{array}$	_____	S Tene
d.	$\begin{array}{c} S F S \\ \text{---} \\ \text{---} \\ \text{wobebisa n}\text{ɔ} \end{array}$	_____	Agyanka Tuon Tene



F Tene



Tuon Agyamafa mfae



Baworo Yera



Awiei

[wòbébísà ñ]

[wòbébísá ñ]

(68a) ne asemfua no. (68b) mu no, daakye kabea mɔɔfem S no tene kɔ baworo (asensin) a edi kan wɔ adeye asennua so yi ne F no fi hɔ ma εno nso tene koyi S a εwɔ baworo (asensin) a etwa to wɔ adeye no so fi hɔ wɔ (68d) mu ma ekɔye agyanka wɔ Ofie nkutoo mu. (68e) mu no, F a εwɔ asensin a etwa to wɔ adeye no mu tene kɔ edinnsiananmu a εhye ɔyɛtia beae hɔ wɔ Ofie mu. (68ε) mu no, edinnsiananmu a εhye ɔyɛtia beae no fa tuon agyamafa wɔ Akwamu anaa Kamena mu wɔ bere a edinnsiananmu a edi dwuma sɛ ɔyɛfo no fa toun agyamafa wɔ Akuapem kasa no nyinaa mu. Baworo a εwɔ edinnsiananmu a εhye ɔyɛtia beae no yera wɔ asemfua ne ka mu ma konsonante no besoa tuon no wɔ Akuapem kasa no nyinaa mu wɔ (68f) mu. (68g) ne awiei no.

69.

Ofie

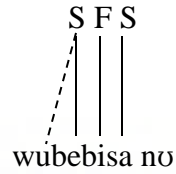
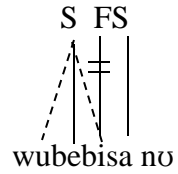
Akwamu/Kamena

a.



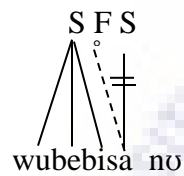
Asɛmfua

b.



S Tene

d.



Agyanka Tuon Tene

e.



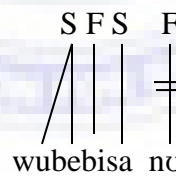
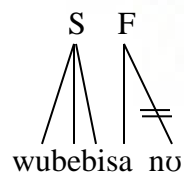
F Tene

ε.



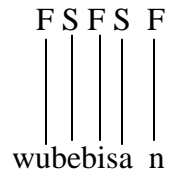
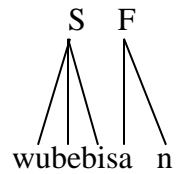
Tuon Agyamafa mfae

f.



Baworo Yera

g.



Awiei

[wúbébisà ò]

[wúbébisá ò]

(69a) ne asemfua no. (69b) mu no, daakye kabea mɔɔfem S no tenn kɔ edinnsiananmu ne baworo (asensin) a edi kan wɔ adeye asennua no so bere koro no mu ara na eyi F a ɛwɔ baworo (asensin a edi kan) no so fi hɔ wɔ Ofie mu. Akwamu anaa Kamena mu no, daakye kabea mɔɔfem S no tene kɔ ɔyefo edinnsiananmu no so nkutoo. Agyanka F no tene koyi S a ɛwɔ baworo (asensin) a etwa to wɔ adeye asennua no so ma ɛkɔye tuon agyanka wɔ Ofie nkutoo mu wɔ (69d) mu. (69e) mu no, F a ɛwɔ asensin a etwa to wɔ adeye no mu tene kɔ edinnsiananmu a ɛhye ɔyɛtia beae no so wɔ Ofie mu nkutoo na edinnsiananmu a ɛhye ɔyɛtia beae wɔ Akwamu anaa Kamena mu fa tuon agyamafa wɔ (69e) mu. Edinnsiananmu a ɛhye ɔyɛtia beae mu baworo yera wɔ asemfua ne ka mu ma konsonante no besoa tuon no wɔ (69f) mu wɔ Akuapem kasa no nyinaa mu. (69g) ne awiei no.

Se daakye kabea mɔɔfem no bata ebia-tumi tebeasem **tùmí** ho a, ne tuon dwuma a edi wɔ Ofie mu no te se nea edi dwuma wɔ adeye kuw II ne III a makyere wɔ soro hɔ no ye pɛ. Nhweso a ɛwɔ ase ha kyere eyi ase.

70.	Asɛmfua	Ofie	Akwamu/Kamena
a.	kwàsí bétùmí a-kó	kwàsí bétúmì àkó	kwàsí bétùmí á'kó
b.	métùmí a-jé	métúmì àjé	métùmí á'jé
d.	á'má bétùmí a-éé	á'má bétúmì àéé	á'má bétùmí á'éé
e.	wúbétùmí a-kàsá	wúbétúmì à-kàsá	wúbétùmí á-kàsá

Eda adi wɔ nhweso (70) mu se Ofie mu no, daakye kabea mɔɔfem S no tene kɔ baworo a edi kan wɔ adeye no so yi ne F no fi hɔ ma eno nso tene kɔɔ baworo a etwa to wɔ adeye no so. Akwamu anaa Kamena mu no, tuon nsesae biara nna adi. Ayɛasie

nsianim /a/ nni n'ankasa tuon wɔ asemfua no mu nanso ne ka mu no, ɛfa F wɔ Ofie mu bere a ɛfa S wɔ Akwamu anaa Kamena mu.

Yenhwe eyi wɔ nnyegyeyi ahosodi dwumadi so.

71.	Ofie	Akwamu/Kamena	
a.	$\begin{array}{cccc} S & F & S & F & S \\ & & & & \\ & & & & \\ wubetumi & a-kasa & & & \end{array}$	$\begin{array}{cccc} S & F & S & F & S \\ & & & & \\ & & & & \\ wubetumi & a-kasa & & & \end{array}$	Asemfua
b.	$\begin{array}{cccc} S & F & S & F & S \\ & & & & \\ & & & & \\ wubetumi & a-kasa & & & \end{array}$	$\begin{array}{cccc} S & F & S & F & S \\ & & & & \\ & & & & \\ wubetumi & a-kasa & & & \end{array}$	S Tene
d.	$\begin{array}{cccc} S & F & S & F & S \\ & & & & \\ & & & & \\ wubetumi & a-kasa & & & \end{array}$	$\begin{array}{cccc} S & F & S & F & S \\ & & & & \\ & & & & \\ wubetumi & a-kasa & & & \end{array}$	Agyanka Tuon Tene
e.	$\begin{array}{cccc} S & F & S & F & S \\ & & & & \\ & & & & \\ wubetumi & a-kasa & & & \end{array}$	$\begin{array}{cccc} S & F & S & F & S \\ & & & & \\ & & & & \\ wubetumi & a-kasa & & & \end{array}$	F ne S Tene
ε.	$\begin{array}{ccc} S & F & S \\ & & \\ & & \\ wubetumi & a-kasa & \end{array}$	$\begin{array}{ccc} S & F & S & F & S \\ & & & & \\ & & & & \\ wubetumi & a-kasa & & & \end{array}$	Awiei
	[wúbétúmi à-kàsá]	[wúbètùmi á-kàsá]	

(71a) ne asemfua no. Daakye kabea mɔɔfem S no tene kɔ edinnsiananmu no so wɔ Akuapem kasa no nyinaa mu na ɛsan tene koyi S a ɛwɔ baworo a edi kan wɔ adeye no so wɔ (71b) wɔ Ofie mu. (71d) mu no, F no nso tene koyi S a ɛwɔ baworo (asensin) a etwa

to wɔ adeye no so ma ekɔye tuon agyanka wɔ Ofie pɛ mu. F a ewɔ asensin a etwa to wɔ adeye no mu tene kɔ ayɛasi nsianim /a/ so wɔ Ofie mu bere a S a ewɔ asensin a etwa to wɔ adeye no mu tene kɔ nsianim no so wɔ Akwamu anaa Kamena mu wɔ (71e) mu. (71e) ne awiei no.

5.8 Tuon ne Ɔdede Nhyehyee

Ɔdede kyere onii ko a biribi ye ne de na ekyerɛ ayɔnkofa a ewɔ edin asemfua/kasasin abien ntam. Ne nhyehyee mu no, edin kasasin a edi kan (EDK₁) no ye ɔdede edinnsiananmu/edin na nea etɔ so abien no ye ɔdede edin asemfua. Abakah (2010a) kyere sɛ ɔdede nhyehyee mu no, S wɔ ɔdede edinnsiananmu ne ɔdede edin asemfua/kasasin no ntam. Saa S yi nni soafo biara, ekyerɛ sɛ eye tuon a eye mɔɔfem (hwe Goldsmith, 1990). Wakyere nso sɛ, ɔyefo edinnsiananmu a ewɔ Akan mu nni wɔn ankasa tuon.

5.8.1 Akan Edin Nkyekyemu

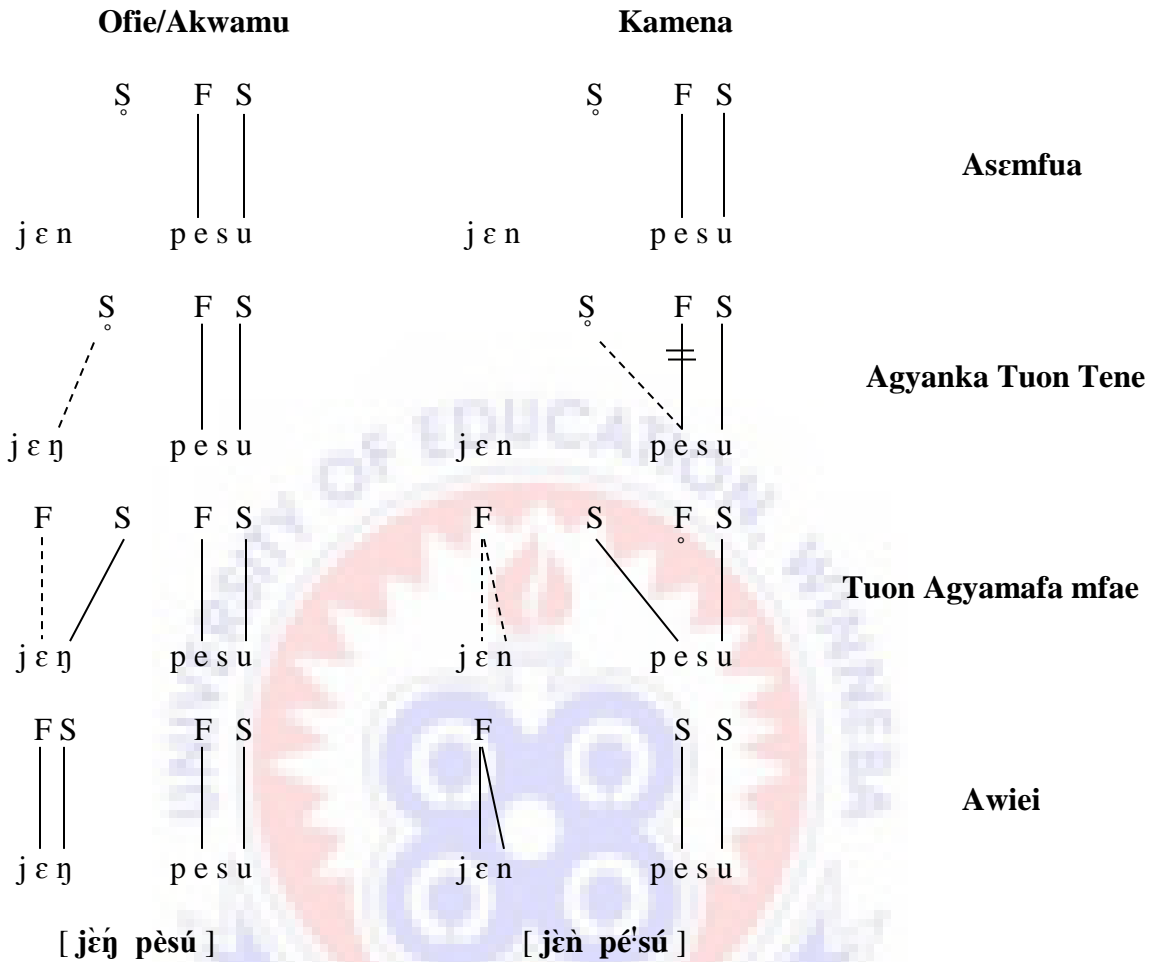
Abakah (2005b) gyinaa tuon so kyee Akan edin mu kɔɔ akuw nsia mu. Kuw a edi kan ye edin a ne tuon nhyehyee ye F ne S. Sɛ ebia: **pèsú, bàjɛí, ñtámá**. Kuw a etɔ so abien ye edin a ne tuon nhyehyee ye SFS a fam gyina wɔ asemfua no mu dedaw. Sɛ ebia: **dzún'só, mám'pám, pán'sá**. Nea etɔ so abiɛsa ye edin a ne tuon nhyehyee ye F nkutoo. Sɛ ebia: **àsàw, pààteyòm**. Nea etɔ so anan ye edin a ne tuon nhyehyee ye S nkutoo. Sɛ ebia: **dédé, níámá**. Nea etɔ so anum ye edin a ne tuon nhyehyee ye S nkutoo nanso fam gyina wɔ edin no mu. Sɛ ebia: **ámásá'mán**. Nea etɔ so asia ye edin a ne tuon nhyehyee ye SFS. Sɛ ebia: **áfítóá**.

Yenhwe ɔdede nhyehyɛ wɔ nhweso a ɛwɔ ase ha mu.

72.	Asemfua	Ofie/Akwamu	Kamena
a.	mi pèsú	mí pèsú	mì pé'sú
b.	wɔ pèsú	wó pèsú	wò pé'sú
d.	ni pèsú	ní pèsú	nì pé'sú
e.	jen pèsú	jèj pèsú	jèn pé'sú
ɛ.	mɔ pèsú	mó pèsú	mò pé'sú
f.	wɔn pèsú	wòj pèsú	wòn pé'sú

Nhweso yi mu no, S a ɛwɔ ɔyɛfo edinnsiananmu ne edin asemfua ntam no tene kɔ benkum so kɔɔ ɔyɛfo edinnsiananmu no so wɔ nhweso (72 a – d, ɛ) mu bere a ɛkɔɔ hwenem konsonante a ɛwɔ edinnsiananmu no so wɔ nhweso (72 e, f) mu wɔ Ofie anaa Akwamu mu bere a baworo no fa tuon agyamafa. Kamena mu no, S no tene kɔɔ baworo (asensin) a edi kan wɔ edin asemfua no so wɔ nifa fam yi ne F no fi hɔ. F no beyɛ tuon agyanka ma ɛno nso twe S a ɛtoa ne so peekye ba fam ma ɛde fam gyina ba wɔ nhweso (72 a-f) mu. ɔyɛfo edinnsiananmu no fa agyamafa tuon.

Yenhwe eyi wɔ nnyegyeyi ahosodi dwumadi so.



Eba sɛ ɔdede nhyehyɛɛ mu no sɛ ɔdede edin asemfua/kasasin no wɔ [+fam] baworo /a/ wɔ ne nsianim sɛnea Abakah (2010a) kyere no a, ɛsono beae biara a S no tene kɔ wɔ Akuapem kasa nkorabata no nyinaa mu. Nsianim /a/ baworo no nni n'ankasa tuon a ɛfa. Abakah (2010a) kyere sɛ A kuapem ɔdede nhyehyɛɛ mu no, S no tene kɔ [+fam] baworo nsianim no so wɔ bere a edinnsiananmu no fa agyamafa tuon. Eyi kɔ so ne titiriw Ofie mu.

Yenhwe nhweso a ewo ase ha.

73.	Asemfua	Ofie	Akwamu	Kamena
a.	mi + § + a-dàm̀fò	màádàm̀fò	mádàm̀fò	màdám̀fò
b.	mi + § + a-dzú́má	màèædzú́má	mædzú́má	mèdzú́má
d.	mi + § + a-kòmá	màákòmá	mákòmá	màkómá
e.	mi + § + a-dá'ká	màádá'ká	mádá'ká	màdá'ká
ε.	mi + § + a-dɔ́ián	màèædɔ́ián	mædɔ́ián	mèdɔ́ián
f.	mi + § + a-pòj̀teí	màápòj̀teí	mápòj̀teí	màpój̀teí
g.	mi + § + a-tààrí	màáatààrí	mátààrí	màtáàdí
h.	mi + § + a-sààsí	màásààsí	másààsí	màsáàsí
i.	mi + § + a-dzú́íní	màádzú́íní	mádzú́íní	màdzú́íní
k.	mi + § + a-k ^w ùá	màák ^u íá	mækùá	mækú'á

Eda adi wo nhweso yi mu se, § no tene ko edin nsianim no so wo Akwamu mu.

Ofie mu no, § no tene ko edin nsianim no so bere a edinnsiananmu no fa tuon agyamafa.

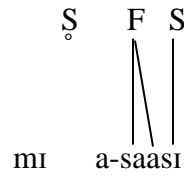
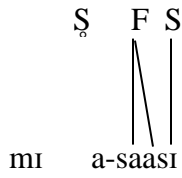
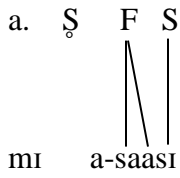
Kamena mu no, baworo (asensin) a edi kan wo odede edin asemfua/kasasin no so na § no tene ko bere a edinnsiananm no fa tuon agyamafa.

Yenhwe eyi wɔ nnyegyeyi ahosodi dwumadi so.

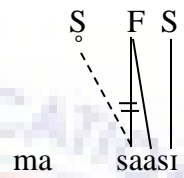
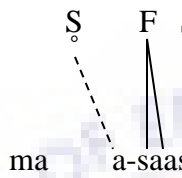
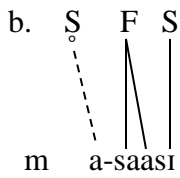
74. Akwamu

Ofie

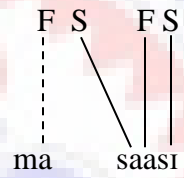
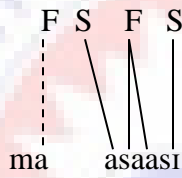
Kamena



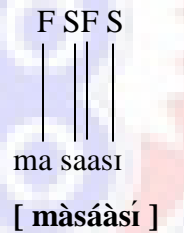
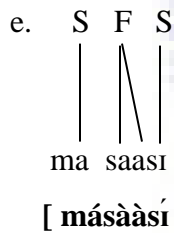
Asemfua



Ṣ Tene



Tuon Agyamafa fa



Awiei

Nnyegyeyi ahosodi dwumadi yi so no, (74a) ne asemfua no. (74b) mu no, S no tene kɔ edin nsianim no so wɔ nifa fam wɔ Ofie ne Akwamu mu, bere a etene kɔ baworo (asensin) a edi kan wɔ ɔdede edin asemfua/kasasin no so wɔ Kamena mu. (74d) mu no, ɔdede edinnsiananmu no fa tuon agyamafa wɔ Ofie ne Kamena nkutoo mu. (74e) ne awiei no.

5.9 Tuon Nsesamu³⁰

Tuon nsesamu ye bere a mɔɔfem a enni n'ankasa tuon fa tuon a ewɔ asensin a etoa ne so no abɔanim. Eyi nti, se tuon (asensin) a etoa mɔɔfem no so ye S a, efa F na saa ara

nso na se tuon (asensin) a etoa ne so ye F a, eno nso fa S. Se edinnsiananmu a enni n'ankasa tuon ne adeye kuw I hyia a, efa S na ene adeye no mu tuon bo abira senea Abakah (2005b) kyere se esi wo Akuapem mu no. Eyi ko so ne titiriw Ofie ne Akwamu mu. Senea esi wo Akuapem kasa yi mu ne senea esi wo Fante mu (Abakah, 2005b) no ye pe. Kamena mu no, edinnsiananmu no fa tuon agyamafa senea esi wo Asante kasa mu no perepere. Nhweso (75) ne (76) da eyi adi.

Nhweso

- | | 75. Ofie/Akwamu/Fante | Kamena/Asante |
|------------|------------------------------|----------------------|
| a. | mí sùm | mì súm |
| b. | wó sùm | wó súm |
| d. | ó sùm | ò súm |
| e. | jé sùm | jè súm |
| ε. | mú sùm | mú súm |
| f. | wó sùm | wò súm |
| 76. | | |
| a. | mí fà | mì fá |
| b. | wó fà | wó fá |
| d. | ó fà | ò fá |
| e. | jé fà | jè fá |
| ε. | mú fà | mú fá |
| f. | wó fà | wò fá |

Nhweso yi mu eda adi se, se edinnsiananmu no fa S a, adeye n'ankasa tuon no sesa ye F wo Ofie anaa Akwamu mu. Nhweso (75) ne (76) mu no, edinnsiananmu no tuon nyinaa ne adeye tuon no bo abira wo Ofie ne Akwamu mu. Kamena mu no,

edinnsiananmu no fa F bere a adeye no kita S gye se biakofo ne dodow edinnsiananmu a eto so abien wo nhweso (75 b, ε) ne (76 b, ε) nkutoo na efa S a ene adeye no mu tuon mmɔ anim.

Bio, se edinnsiananmu a enni n'ankasa tuon ne adeye kuw II ne III (nea ne tuon nhyehyee ye FS wo Twi mu (Abakah, 2014) hyia a, Akuapem kasa nkorabata nyinaa mu no, edinnsiananmu no fa tuon a ene tuon a ewo asensin a edi kan wo adeye no mu ye pe (mmɔ abira), gye se biakofo ne dodow edinnsiananmu a eto so abien nkutoo na efa tuon a ene asensin a edi kan wo adeye no mu bo abira. Mefoa senea Abakah (2005b) kyere se esi wo Akuapem mu no so. Nhweso (77) da eyi adi.

Nhweso

77. Akuapem

- a. mi bisá
- b. wó bisá
- d. ò bisá
- e. jè bisá
- ε. mú bisá
- f. wò bisá

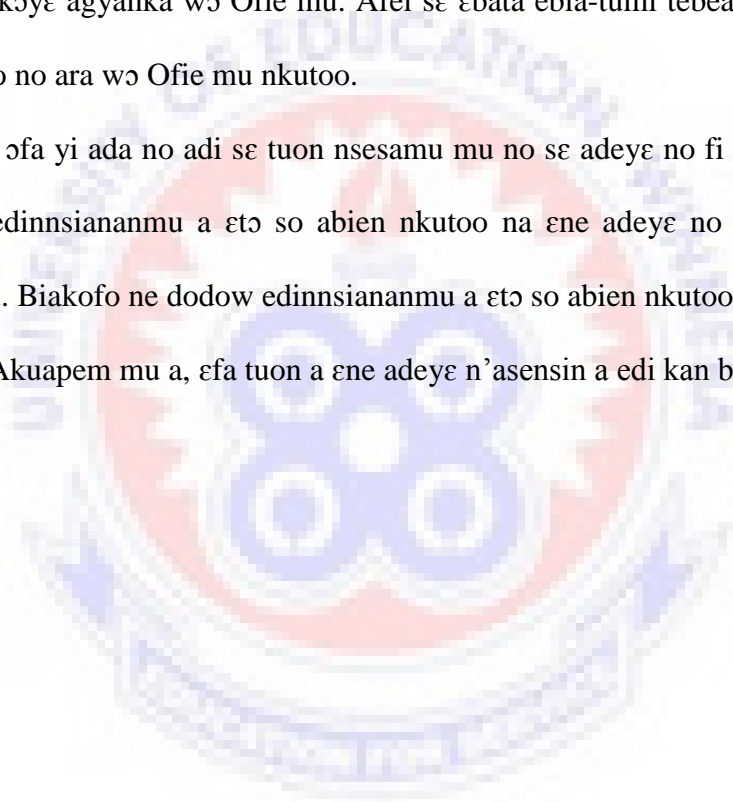
5.12 Muabo

Ofa yi akasa afa tuon ho na ada adi se, adeye ntoaso nhyehyee mu no se adeye a edi kan no wo daakye anaa ensii mu a, adeye a eto so abien no fa nsianim /á/ a eye S wo Akuapem kasa nyinaa mu. Asan ada adi ofa yi mu se, odede nhyehyee mu no, S̄ a eye mɔɔfem wo oyefo edinnsiananmu ne edin asemfua/kasasin ntam no tene ko edin nsianim

so wɔ Ofie ne Akwamu mu bere a edinnsiananmu no fa tuon agyamafa wɔ Ofie Akuapem mu. Kamena mu no, S̄ no tene kɔ baworo (asensin) a edi kan wɔ edin asemfua no mu so bere a ɔdede edinnsiananmu no fa tuon agyamafa.

Bio, ada adi wɔ ɔfa yi mu se, se daakye kabea mɔɔfem /bé/ bata adeye kuw II ne III ho a, mɔɔfem ne S no tene koyi F a edi kan wɔ adeye no so ma ekɔye tuon agyanka. F no mfa fam gyina mma mmom, eno nso tene koyi S a ewɔ asensin a etwa to wɔ adeye no mu so ma ekɔye agyanka wɔ Ofie mu. Afei se ebata ebia-tumi tebeasem ‘tù mí’ ho a, edi dwuma koro no ara wɔ Ofie mu nkutoo.

Bio, ɔfa yi ada no adi se tuon nsesamu mu no se adeye no fi kuw I mu a, biakofo ne dodow edinnsiananmu a etɔ so abien nkutoo na ene adeye no tuon mmɔ anim wɔ Kamena mu. Biakofo ne dodow edinnsiananmu a etɔ so abien nkutoo na ene adeye kuw II ne III hyia Akuapem mu a, ɔfa tuon a ene adeye n’asensin a edi kan bɔ abɔanim.



ƆFA ASIA

AWIEI: TƆFABƆ NE ADWENKYERE

6.0 Nnianim

Ɔfa yi de dwumadi a efa Akuapem fɔnɔlɔgyi nhyehyee mu bi ho tɔfabɔ ne adwenkyere to gua. Ede tɔfabɔ a ewɔ atifisem titiriw wɔ dwumadi yi mu nyinaa to gua. Dwumadi yi nnianim mu de Akuapem abakɔsem too gua. Migyinaa susude abien (fɔnɔlɔgyi ne asemfua) so kyee Akuapem ɔkasa nkorabata mu kɔɔ Ofie, Akwamu ne Kamena. Ofie Akuapem ye Akuapem Twi a wɔka no wɔ Okuapeman bepɔw so na Akwamu ne Kamena Akuapem nso ye Akuapem Twi a wɔka no wɔ Asuogyaman mansin mu. Ɔfa yi mu na yehuu dwumadi ahorow a binom adi wɔ Akuapem mu dedaw ne dwumadi yi ho nsemmissa. Ɔkwan a mefaa so nyaa me nsem, nnipa dodow a mede wɔn dii dwuma, beae a Akuapemfo wɔ ne Akuapem abakɔsem nyinaa nso daa adi wɔ ɔfa yi mu.

6.2 Dwumadi no Adwenemusem

Ɔfa yi mu no, yehwee dwumadi yi ho adwenemusem. Mede nnyegyeyi ahosodi fɔnɔlɔgyi (Goldsmith, 1976) adwenemusem ne ahyensode nsensan na edii dwuma.

6.2.1 Nnyegyeyi Ahosodi Fɔnɔlɔgyi

Nnyegyeyi ahosodi fɔnɔlɔgyi adwenemusem (Goldsmith, 1976) kyere se, tuon nka nnyegyeyi aba ho mmom edi ne ho so fi nnyegyeyi aba n'ankasa ho. Adwenemusem yi san kyere se, ayɔnkofa nsesan na eka tuon mpɛmpɛnsode ne nnyegyeyi aba bom de kyere

mpempensode a dwɛɛdwɛɛwa no kodu anaa ɛyɛ wɔ nnyegyeyi bi ye mu. Ayɔnkofa nsensan a ɛka tuon mpempensode ne nnyegyeyi aba bom wɔ nhyehyɛe a edi so. Ɛsɛ sɛ baworo biara a ɛwɔ asemfua no mu nya tuon biako ne no fa yɔnko, sɛ baworo a ɛwɔ asemfua no mu dɔɔso sen tuon no a, tuon a etwa to na etene kɔ baworo a etwa to wɔ asemfua no mu so. Bio, sɛ tuon no dɔɔso sen baworo a ɛwɔ asemfua no mu a, yɛde tuon a etwa to no ka baworo a etwa to wɔ asemfua no mu ho. Nhyehyɛe a etwa to no kyere sɛ, enni ho kwan sɛ ayɔnkofa nsensan a ɛka tuon ne nnyegyeyi aba mpempensode bom no twitwa wɔn ho anan mu.

6.2.2 Ahyɛnsode Nsensan

Wɔagyina beae a nnyegyeyi bi ye kɔ so so akyekye konsonante ne baworo akɔ kuw abiesa KURUKURUWA, SE-AKYI NE DADAMU-BETEE mu.

6.3 Ɔmene Akwan binom wɔ Akuapem mu

Ɔfa abiesa mu no yɛhwɛɛ ɔmene akwan binom a ɛda adi wɔ Akuapem kasa nkorabata mu.

6.3.1. Baworo Dwumadi

Ɛdaa adi ɔfa yi mu sɛ, ɛtɔ mmere bi a akyi baworo /u/ ne /ʊ/ tumi hyɛ asemfua ase ne titiriw Akwamu anaa Kamena mu bere a asemfua no kyere ɔdede anaa adeye kasasin nhyehyɛe mu. Yehui sɛ, ɔdede nhyehyɛe mu no sɛ EDK₁ no ye biakofo edinnsiananmu a ɛtɔ so abien [wʊ] bata EDK₂ a ɛye edin asemfua ho a, mpen pii ne ka mu no anofafa bata dadamu-betee konsonante /w/ a ɛwɔ edinnsiananmu no mu yera ma ɛka kurukuruwa

baworo /ɔ/ no nkutoo. Yehui se, ansa na eyi betumi asi no gye se konsonante di asemfua (adeye anaa edin asemfua) a eto so abien ne kan.

6.3.2 Anofafa bata Dadamu-so-ko

Yesan hui se, anofafa bata dadamu-so-ko senea enam KUa/e nhyehyee so si wo Akan mu no, Ofie ka konsonante no wo dadamu-so-ko kwan so sen Akwamu ne Kamena bere a nhyehyee no si wo asemfua asennua ne mofem ahye so nyinaa.

6.3.3 Kurukuruwa Biakoye

Ofa yi mu no edaa adi se kurukuruwa biakoye da adi wo Akuapem mu ne titiriw Ofie mu. Yehui se, se edinnsiananmu a edi dwuma se oyefo wo okasamu no mu ye biakofo edinnsiananmu a eto so abiesa /ɔ/, dodow edinnsiananmu a eto so abien /mɔ/ ne dodow edinnsiananmu a eto so abiesa /wɔn/, na baworo a ewo adeye asennua mu ye kurukuruwa a, ehye ensii nsianim /rɪ/ baworo a eye [-Kurukuruwa] dedaw no ma ebeye kurukuruwa ne ka mu.

6.3.4 Baworo Biakoye wo Nsemfua ahye so

Ofa 3.8.4 mu no yehui se, baworo biakoye wo nsemfua ahye so no, [+Kan] baworo a ewo edin anaa adeye asennua mu no tene ne kanko su no ko nsianim baworo a eye [-Kan] nyinaa so ma ebeye [+Kan] wo Ofie ne Akwamu mu. Kamena mu no, [+Kan] a etene fi adeye/edin asennua mu no ntra asensin a ene baworo a ewo adeye asennua mu bo hye no.

6.3.5 Dadamu-Betɛɛye

Dadamu-betɛɛye mu no ɛdaa adi se, se [+soro] baworo wɔ ahyensode [DADAMU-BETɛɛ] anaa [SE-AKYI] ne nyegyeyɛ akwaa mu toa hwenem [+anim, SE-AKYI] konsonante /n/ so a, [DADAMU-BETɛɛ] baworo no tene ne su no kɔ hwenem konsonante no so ma ɛbeyɛ [DADAMU-BETɛɛ] wɔ Ofie ne Akwamu mu bere a Kamena ka hwenem [+anim, SE-AKYI] konsonante no.

6.4 Asensin Nhyehyɛ Akwan binom

Ɔfa anan mu no yehwɛɛ asensin nhyehyɛ akwan binom a ɛda adi wɔ Akuapem mu.

6.4.1 Konsonante Yera

Yehui se nnyegyeyi yera mu no se asemfua bi asensin nhyehyɛ ye $K_1B_1K_2B_2$ na B_2 ye [+soro] na konsonante a ɛhyɛ baworo n'anim (K_2) ye waa-mframa puei nnyegyeyi /w/ a, ne ka mu no baworo a ɛto so abien (B_2) yera wɔ Ofie ne Akwamu mu wɔ bere a baworo a ɛto so abien ne konsonante a ɛto so abien ($B_2 K_2$) nyinaa yera wɔ Kamena mu. Ɛdaa adi nso se, se mmɔbɔɛ konsonante /r/ hyɛ baworo a wɔn su ye pɛ ntam a, mpɛn pii ɛyera wɔ Akwamu ne Kamena mu.

6.4.2 Tuon Fɛm

Nsemfuafeɛm mu no dwumadi yi daa no adi se, tuon a nhyɛmu baworo fa anaa ɛfɛm ne F na egyina beaɛ (mfitiase/anim, mfinimfini, awiei/to) a nhyɛmu baworo no hyɛ wɔ asemfua hɔho no mu so na ɛbekyerɛ F a ɛbɛfa. Yehui se, se asemfua hɔho no wɔ

konsonante mfofɔreso wɔ n'ahyɛase/mfityase a, nhyemu baworo no fa F. Mmom ɛkɔba konsonante mfofɔreso wɔ asemfua hɔho no mfinimfini na konsonante a etwa asemfua hɔho no to nye /m, n, w/ wɔ Akuapem mu a, nhyemu baworo a ehye asemfua hɔho no mfinimfini fem F a ɛwɔ asensin (baworo) a ɛwɔ n'anim anaa etoa ne so no, na nhyemu baworo a etwa asemfua hɔho no to fem F a ɛwɔ asensin (baworo) a ɛwɔ n'anim no.

Yehui nso sɛ, sɛ asemfua hɔho no ye asensin biako a, ntwetwemu no ba asemfua n'ahyɛase (asensin a edi kan) so. Sɛ konsonante mfofɔreso wɔ asemfua hɔho n'ahyɛase/mfityase a, S a wɔde ka ntwetwemu wɔ asemfua hɔho n'ahyɛase no beye asensin a eto so abien wɔ Akuapem mu, na sɛ konsonante mfofɔreso nni asemfua hɔho n'ahyɛase a, wɔde S na ɛka asensin a edi kan no.

6.4.3 Konsonante Mfofɔreso Ntewso

Sɛ nhyemu a wɔde di dwuma wɔ Akan nsemfuafem mu da nkyen, na nsemfua a wɔfem fi Borɔfo anaa mpo Akan kasa binom mu wɔ konsonante mfofɔreso n'ahyɛase, mfinimfini anaa awiei a, wɔkwati nnyegyeyi (konsonante) no bi ansa na wɔatumi abɔ asemfua no so. Konsonante mfofɔreso ntewso mu no migyinaa de Lacy (2006) nnyegyeyeyi beae nhyehyɛe pono ne Spencer (2002) waa-mframa puei nhyehyɛe pono so kyereɛ nea enti a konsonante pɔtee bi tumi yera anaa wɔkwati wɔ asemfua hɔho ne ka mu.

Ada adi dwumadi yi mu sɛ, mpen pii no, sɛ konsonante mfofɔreso no ye dadamu-betɛɛ agyinae /k/ ne nkyeremu /s/ anaa se-akyi agyinae /t/ konsonante a, wɔkwati dadamu-betɛɛ konsonante /k/ no. Sɛ konsonante mfofɔreso no ye se-akyi nkyeremu /s/ ne se-akyi agyinae /t/ a, wɔkwati se-akyi agyinae konsonante no. Afei sɛ konsonante

mfofɔreso no yɛ hwenem /m/, anofafa /p/ ne se-akyi /t/ konsonante a, wɔkwati anofafa /p/ konsonante no.

6.4.4 Baworo Mmamuso

Ɛdaa adi dwumadi yi mu sɛ, baworo mmamuso wɔ adeyɛ kuw I (nea ne tuon nhyehyɛ yɛ S nkutoo) mu no, sɛ baworo no yɛ [+fam] baworo /a/ na konsonante a ɛhyɛ baworo n'anim yɛ dadamu-denden ne se-akyi /dz/ ne anofafa ne dadamu-denden /tɛ/ a, baworo a ɛwɔ adeyɛ asennua mu ne baworo a ɛwɔ mmɔho no mu nsae wɔ biakoyɛ mu.

6.5 Tuon ne Kasammara

Ɔfa 5.5 kasa faa tuon ne kasammara ho wɔ Akuapem mu. Yehui sɛ, sɛ tuon bi sesa wɔ mɔɔfem bi mu a, etumi sesa kasammara a ɔkasamu no wɔ mu kɔ foforo mu.

6.5.1 Daa Kabea ne Twam Kabea

Ɛdaa adi sɛ daa kabea ne twam kabea nhyehyɛ mu no sɛ baworo twa adeyɛ no to a, wɔtwe baworo no mu sɛnea Dolphyne (2006) kyere no na Ofie ne Akwamu de SF na ɛka adeyɛ twam kabea no bere a Kamena de F nkutoo na ɛka adeyɛ no. Bio, daa kabea mu no ɛdaa adi sɛ Ofie ne Akwamu de S na ɛka adeyɛ no bere a Kamena de F.

6.5.2 Daabi ne Ɔhyɛ

Ɛdaa adi sɛ daabi a ne mɔɔfem no yɛ /n/ ne ɔhyɛ a ɛyɛ /n/ nhyehyɛ mu no, sɛ adeyɛ no fi kuw II ne III mu a, Ofie de SF na ɛka adeyɛ no bere a Akwamu ne Kamena de FS.

6.5.3 Nkɔe/Mmae Anamɔntu Nsianim

Nea ɛdaa adi bio nso ne sɛ, sɛ nkɔe ne mmae anamɔntu nsianim`/bɛ/ ne /kɔ/ a ekita F ne adeyɛ a wɔaka aku ho anaa adeyɛ kuw II hyia a, Ofie ne Kamena de S na ɛka mmɔho no bere wɔde F na ɛka adeyɛ asennua no. Akwamu de FS na ɛka mmɔho ne adeyɛ asennua no.

6.5.4 Daakye Kabea Mɔɔfem Tuon ne Adeyɛ Tuon Nhyehyɛ

Daakye kabea mɔɔfem /bɛ/ tuon ne adeyɛ tuon nhyehyɛ mu no, ada adi dwumadi yi mu sɛ S a daakye kabea mɔɔfem wɔ (Dolphyne, 2006) no ne adeyɛ kuw II anaa III a ne tuon nhyehyɛ yɛ FS (Abakah, 2005b) hyia a, S a daakye kabea mɔɔfem wɔ no tene koyi F a ɛwɔ asensin (baworo) a edi kan wɔ adeyɛ no so. F no beyɛ tuon agyanka nanso ɛmfa fam gyina mma mmom ɛno nso tene koyi S a ɛwɔ asensin (baworo) a etwa to wɔ adeyɛ no so ma ɛkɔyɛ agyanka wɔ nifa fam wɔ Ofie mu nkutoo.

6.5.4.1 Bio, sɛ daakye kabea mɔɔfem bata ebia-tumi tebeasɛm ‘tùmí’ ho a, edi dwuma sɛ ɔhyɛ akwansrɛ nsem (Owusu, 2014) na ɛnkyerɛ sɛ dwumadi bi bekɔ so daakye mmom ɛkyerɛ tumi a ɔyɛfo no betumi adi dwuma a adeyɛ no rekyerɛ no. Eyi nso mu no, daakye kabea mɔɔfem S no tene koyi F a ɛwɔ asensin (baworo) a edi kan wɔ adeyɛ no so. F a ɛbeyɛ agyanka no nso tene koyi S a ɛwɔ asensin (baworo) a etwa to no ma ɛkɔyɛ agyanka wɔ Ofie mu.

6.5.5 Tuon ne Ɔdede Nhyehyɛ

Ɔdede nhyehyɛ mu no, S a ɛwɔ ɔdede edinnsiananmu ne ɔdede edin asemfua ntam tene kɔ ɔdede edinnsiananmu no so wɔ Ofie ne Akwamu mu bere a ɛtene kɔ asensin (baworo) a edi kan wɔ ɔdede edin asemfua no so wɔ Kamena mu. Mmom ɛkɔba sɛ [+fam] baworo /a/ yɛ nsianim wɔ ɔdede edin asemfua/kasasin mu a, S no tene kɔ nsianim baworo no so na ɔdede edinnsiananmu no fa agyamafa tuon wɔ Ofie mu. Akwamu mu no, S no tene kɔ nsianim baworo no so na Kamena mu no ɛtene kɔ baworo (asensin) a edi kan wɔ ɔdede edin asemfua no so wɔ bere a ɔdede edinnsiananmu no fa tuon agyamafa.

6.5.6 Tuon Nsesamu

Ɔfa yi de tuon nsesamu too gua na ɛdaa di sɛ, sɛ edinnsiananmu a enni n'ankasa ne tuon ne adeyɛ kuw I hyia a, ɛfa tuon a ene adeyɛ ne tuon bɔ abira. Ɖdaa adi sɛ, Akuapem mu no, edinnsiananmu no nyinaa ne adeyɛ kuw I tuon bɔ anim gye sɛ biakofo ne dodow edinnsiananmu a ɛtɔ so abien wɔ Kamena mu nkutoo na ɛfa tuon a ene adeyɛ asennua no tuon mmɔ anim. Ɖdaa adi bio nso sɛ, sɛ edinnsiananmu no ne adeyɛ kuw II anaa III hyia a, wɔ Akuapem mu no biakofo ne dodow edinnsiananmu a ɛtɔ so abien nkutoo na ɛfa tuon a ene asensin a edi kan wɔ adeyɛ no mu bɔ anim.

6.6 Adwenkyere

Nhwehwemu a akɔ so wɔ Akuapem mu yi da no adi sɛ ɛnye fɔnɔlɔgyi dwumadi no nyinaa na mitumi kaa ho asem wɔ Akan kasa nkorabata yi mu. Senea ɛbeyɛ na Akuapem kasa betu mpɔn wɔ nhwehwemu fam na aboa ama nkyirimma nso ahu senea kasa yi te wɔ fɔnɔlɔgyi mu nti, misusuw sɛ asuafo ne kasahonimdefo nso beyɛ

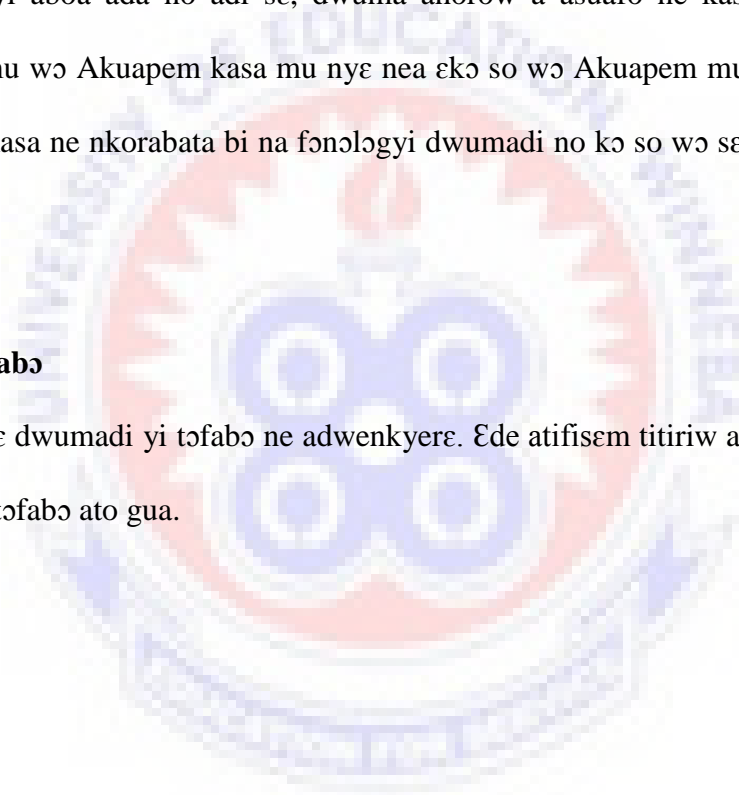
nhwehwemu atoa nea maye yi so de ahwe fa binom a mantumi anka ho asem wo me dwumadi yi mu.

Bio, misusuw se, se kasahonimdefo ne asuafo a wodi dwuma wo fonology mu ani ba Akuapem kasa yi ho, di dwuma no wo ntotoho kwan so senea madi kan ahye ase yi a, ebeboa ada nneema binom a ahintaw wo Akuapem kasa yi mu adi na aboa ma Akan kasa (Akuapem, Fante ne Asante) no nso adu akyi.

Dwumadi yi aboa ada no adi se, dwuma ahorow a asuafo ne kasahonimdefo adi wo fonology mu wo Akuapem kasa mu nye nea eko so wo Akuapem mu nyinaa mmom, eye Akuapem kasa ne nkorabata bi na fonology dwumadi no ko so wo senea dwumadi yi ada no adi no.

6.7 Muabo

Ofa yi ahwe dwumadi yi tofabo ne adwenkyere. Ede atifisem titiriw a ada adi dwumadi yi mu nyinaa tofabo ato gua.



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NKEKAHO A

NSĔMFUA BI NKYERĔASE

- ¹Adwenemusem: Eyi kyere obi atrimuposem/adwene bi a ode ato gua na afoforo/nnipa dodow no ara agye atom se ne dwumadi di mu perepere wo okwan biara so.
- ²Nhyehyekwan: Eyi kyere okwan ne senea adwenemusem no dwumadi nhyehye te.
- ³Nnyegyei Ahosodi Fonologyi: Eyi kyere se, tuon a ewo nnyegyei aba (konsonante anaa baworo) mu no di ne ho so na enka nnyegyei aba no ho.
- ⁴Kasahonimdefo: Eyi ye nnipakuw/onipa a wɔakwadare anaa wɔwɔ nimdee wɔ kasa ho wɔ akwan ahorow pii so.
- ⁵Ahyensode Soronko: Eyi kyere su soronko a nnyegyei aba bi wo anaa kuw a nnyegyei aba a won ye no ye pe nkutoo wo mu.
- ⁶Ahyensode: Eyi kyere su bi a nnyegyei bi wo na yetumi de kyerekyere mu ma eda nso fi afoforo ho.
- ⁷Mpempensode: Eyi kyere mpempenso a nnyegyei (baworo) bi anoden kodu.
- ⁸Nnyegyei aba: Eyi ye konsonante anaa baworo a yede di dwuma wo okasa mu.

- ⁹Ayɔnkofa Nsensan: Eyi yɛ nsensan a ɛka tuon mpɛmpɛnsode ne nnyegyeyi aba bom na ɛkyerɛ mpɛmpɛnsɔ a dwɛɛdwɛɛwa no kodu wɔ nnyegyeyi (baworo) yɛ mu.
- ¹⁰Aforosan Ohye Nhyehyɛ: Eyi nhyehyɛ a ɛhwɛ sɛ tuon mpɛmpɛnsode a ɛyɛ pɛ na ɛbɛn ho wɔ kasammara mu bɛda nso.
- ¹¹Ntɔso Nnyegyeyi Fɔnɔlɔgyi: Eyi ahyɛnsode a ɛda nnyegyeyi aba so na ɛkyerɛkyerɛ nnyegyeyi aba no mu, sɛ ɛbia; tuon ne hwemmɔ.
- ¹²Tuon Faako tim: Eyi kyere sɛ, sɛ tuon soafo bi yera wɔ ɔkasa mu a, ne tuon a ɛso no nyera mmom etim faako a ɛwɔ no.
- ¹³Tuon Agyanka: Eyi tuon a ne soafo ayera anaa enni soafo biara.
- ¹⁴ANOFafa: Eyi nnyegyeyi (konsonante ne baworo) ahyɛnsode a anofa abien no boa ne yɛ mu. Anofafa, anobatase ne anofafa bata dadamu-bɛtɛɛ konsonante ne kurukuruwa baworo na ɛwɔ kuw yi mu.
- ¹⁵SE-AKYI: Eyi nnyegyeyi (konsonante ne baworo) ahyɛnsode a sɛ tɛkrɛma (ano anaa mfinimfini) no ne se-akyi ne dadamu denden

beae hɔ di ahyia a yetumi ye. Dadamu denden ne se-akyi konsonante ne anim baworo na ɛwɔ kuw yi mu.

¹⁶Anim:

Ɛye nnyegyeyi (konsonante) ahyensode a se tekrema n'ano ne se-akyi beae hɔ di ahyia a, yetumi ye. Se-akyi konsonante nkutoo na ɛwɔ kuw yi mu.

¹⁷DADAMU-BƐTƐƐ:

Ɛye nnyegyeyi (konsonante ne baworo) ahyensode a ne ye mu no, tekrema n'akyi puw kɔ dadamu-bɛtɛɛ beae hɔ, kurukuruwa/akyi baworo ne dadamu bɛtɛɛ konsonante na ɛwɔ kuw yi mu.

¹⁸Baworo Beae Ahyensode:

Ɛye ahyensode a egyina hɔ ma beae a yeyɛ baworo nnyegyeyi kuw bi.

¹⁹Ahyensode Nkabom Adwenemusɛm:

Ɛye adwenemusɛm a agyina beae a yeyɛ baworo ne konsonante nnyegyeyi so aka nnyegyeyi no abom de wɔn akɔ ahyensode kuw biako a ɛkyerekyerɛ nnyegyeyi no mu. Sɛ ebia; ANOFABA, SE-AKYI ne DADAMU-BƐTƐƐ wɔ baworo ne konsonante nyinaa wɔ kuw yi mu.

²⁰Dadamu-Bɛtɛɛye:

Ɛye konsonante a enni dadamu-bɛtɛɛ su wɔ ne ye mu nya su yi bi. Sɛ ebia; se-akyi

konsonante /n/ sesa beye dadamu-bete
konsonante /ŋ/.

²¹Kurukuruwa Biakoye:

Eye bere a baworo a enye kurukuruwa sesa ne baworo a ewo adeye asennua mu sae wo kurukuruwaye mu.

²²Nhyemu:

Eyi ye nnyegyeyi aba (konsonante anaa baworo) a wode hye nsemfua hoho a wofem fi kasa foforo mu senea ema asemfua no ne Akuapem asensin nhyehyee ye pe.

²³Nsemfuafem:

Eyi ye nsemfua a enni Akuapem mu na wotumi fem fi kasa foforo mu.

²⁴Tuon Fem:

Eye F a wofem fi asensin a ewo asemfua hoho mu dedaw de ka nhyemu baworo.

²⁵Konsonante Mfofreso Ntewso:

Eye konsonante a efofore so wo asemfua hoho mu na wokwati bi ne ka mu esiane senea Akuapem (Akan) asensin nhyehyee te nti.

²⁶Nnyegyeyi Beasesa:

Eye bere a nnyegyeyi (asensin) a ewo asemfua bi mu tumi sesa ne beae wo asemfua ne ka mu.

²⁷Tuon Kasa:

Eye kasa a ede tuon di dwuma.

²⁸Tuon Agyamafa:

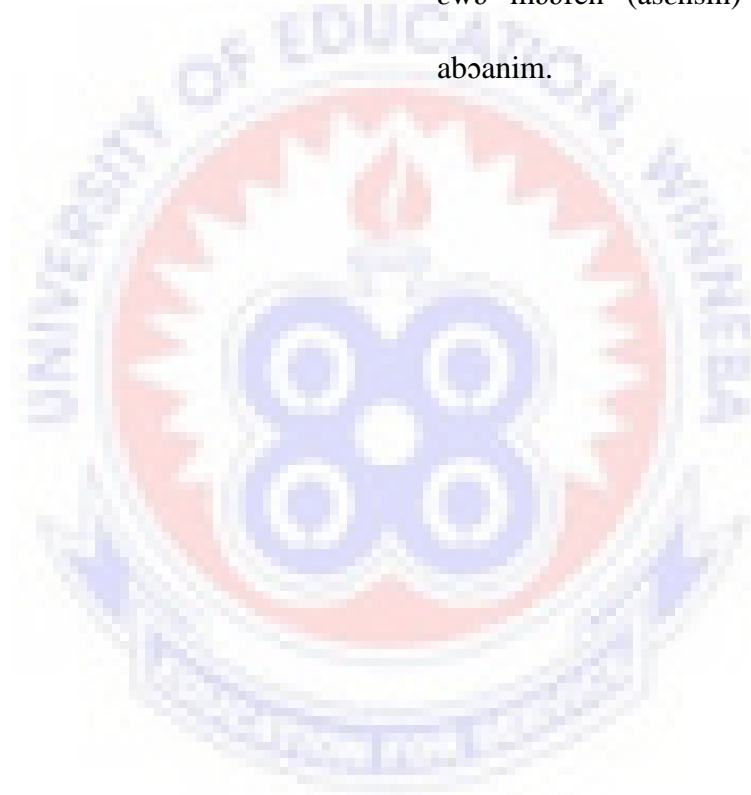
Eyi ye tuon a se asemfua bi nni ne tuon
potee a efa a wofa no saa ara de ka asemfua
no.

²⁹Kasammara Dwumadi:

Eyi ye dwuma a tuon tumi boa di wo
Akuapem kasammara mu.

³⁰Tuon Nsesamu:

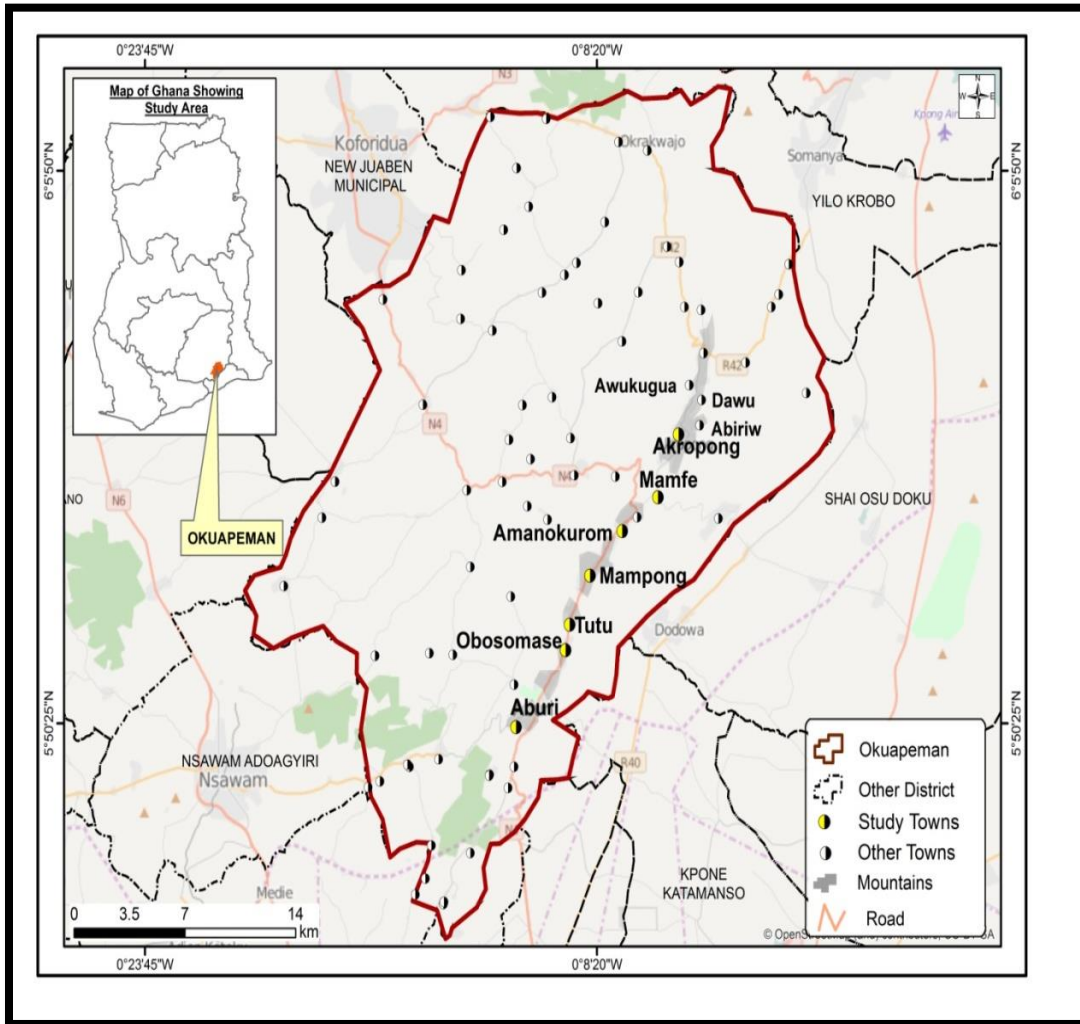
Eye mɔɔfem a enni n'ankasa tuon fa tuon a
εwo mɔɔfen (asensin) a etoa no so no
aboanim.



NKEKAHO B

Asaase Mfoni a ɛkyerɛ Mmeae a wɔka Akuapem Twi

Asaase Mfoni 1

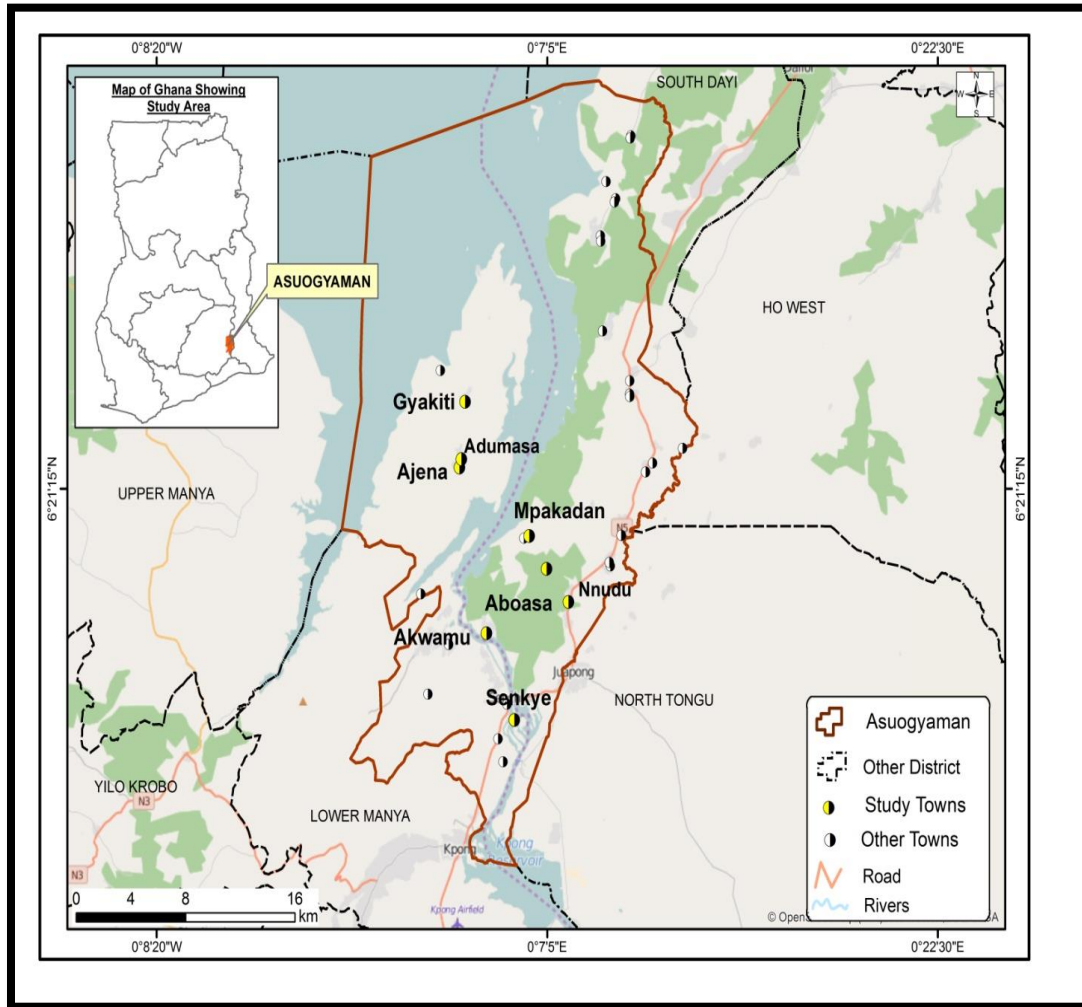


Beae a efi: Geography Department; *Remote Sensing and GIS Laboratory*, University of Ghana, legon.

NKEKAHO D

Asaase Mfoni a ɛkyerɛ Mmeae a wɔka Akuapem Twi

Asaase Mfoni 2

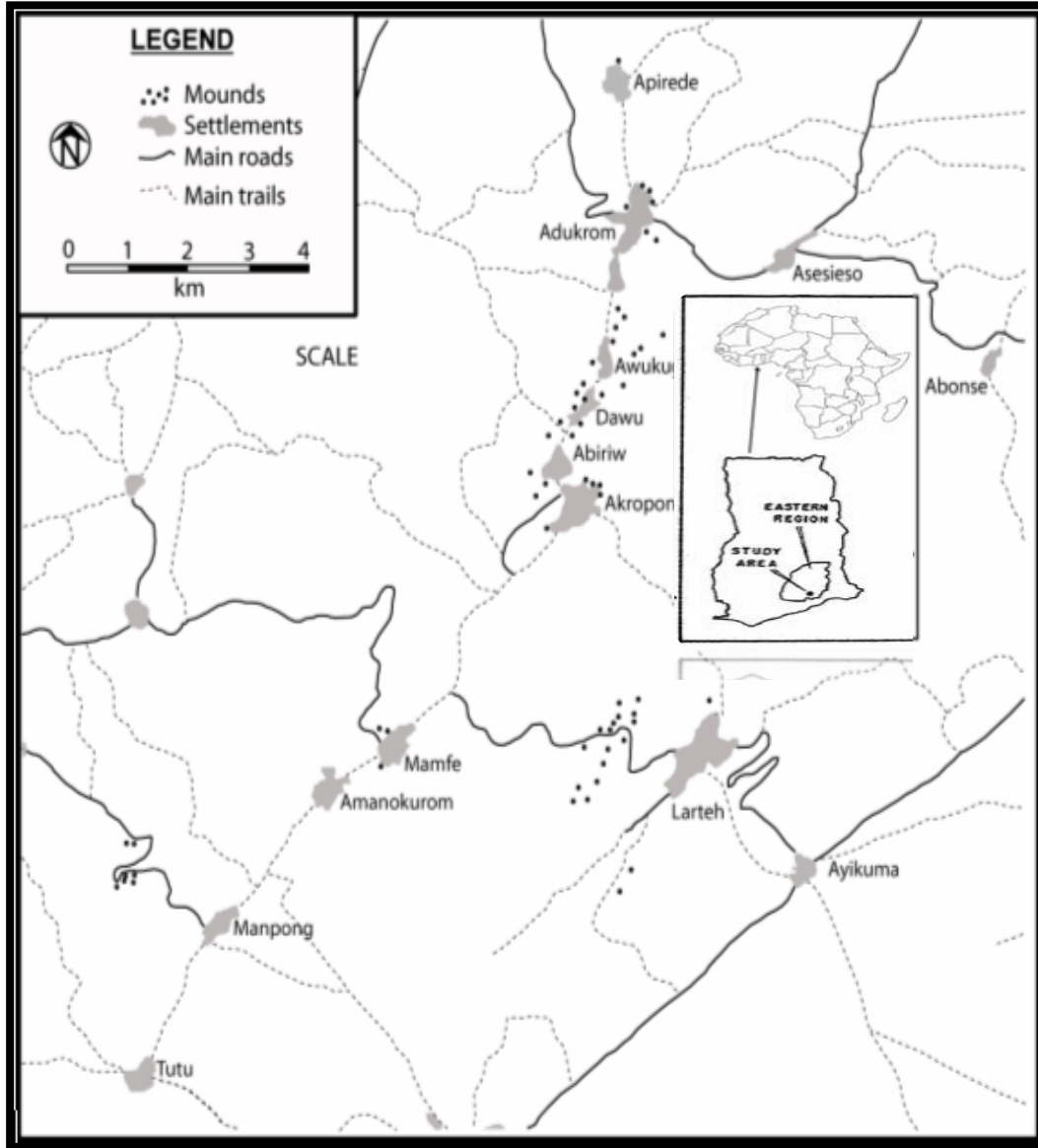


Beae a efi: Geography Department; Remote Sensing and GIS Laboratory, University of Ghana, legon.

NKEKAHO E

Asaase Mfoni a ɛkyerɛ Mmeae a wɔka Akuapem Twi

Asaase Mfoni 3



Beae a efi: <http://africanistes.revues.org/docannexe/image/117/img-1.pgn>

NKEKAHO Ɛ

Asaase Mfoni a ɛkyerɛ Beae a Akuapemfo wɔ

Asaase Mfoni 4



Beae a efi: www.Google Maps World Gazetteer & Google Route Planner.html