

Aron karaaoan ao kamauan te kereboki:

Te boki ibukin buokaia taan akawa n te Betebeki



Aron karaaoan ao kamauan te kereboki: Te boki ibukin buokaia taan akawa n te Betebekē

Katauraoaki ao n baarongaaki iroun: Steven W. Purcell, Southern Cross University
Banna iaon aron karaaoan te kereboki iroun: Jipe Le Bars, Secretariat of the Pacific Community

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Taeka n Kakaaitau

Te karabwarabwa nakon Chris Barlow, Ian Bertram, Aymeric Desurmont ibukin aia boutoka ao taeka n ibuobuoki ibukin te boki aei. A raweaki tamnei n kabane n te boki aei ioun Steven. Purcell ao a riai moa bubuti ibukin te kariaia iaon kabonganaan tamnei aikai n aanga aika a mwaiti n roko moa ioun Steven. Purcell. A reke rongorongo ma aron karaaoan kereboki man ana ibuobuoki Theo Simos, Karibanang Tamuera ao Poasi Ngaluafe. Ti karabwaia taan karao kereboki ake a tia n anga rongorongo iaon aia anga ni karao kereboki ao riki Helmut Waicane, Malato, Fred Ho, Kuolong Chen ao Amanaaki Tukuafu. E karaoaki te boki aio man ana mwane ni buoka Australian Centre for International Agricultural Research (ACIAR) ao man aia boutoka ana taan rabakau te SPC. E rairaki te boki aio nakon te taetae n Kiribati ioun Dr Temakei Tebano ao ni manga rinanoaki ioun Karibanang Tamuera Aram.

Aan karaaoan te boki aei

E baarongaaki te boki aei ibukin buokaia taan kereboki n aban nako te Betebeke. Aekan kereboki ake a kaotaki n te boki aei bon ngaai ake a rang n akaakawaaki riki n aban te Betebeke.

Te taeka ae Aron Karaoana ke Karaoana ae nanonaki n te boki aei bon aanga ke mwakuri ake e oneaki iai te kereboki ae menaai nakon te kereboki are e a tia arona ni kamwauaki are e aranaki bwa te kamwau-n-kereboki ke te kereboki. Inanon waakin karaaoan te kereboki ao bon iai te bwenabwena, taoronakina, kamwaana, kabweeariana ao ai te tataawa ibukin kamwauana.

Mwaitin boon te kereboki are ana anganaki taan akawa e bon nakon aeka ni kereboki ake a kaboonakoi, buburaraia ao nakoraoin aron karaoaia. Bukin aio bwa taan kabo kereboki n aban Aatia a tangirii kereboki aika a tamaroa ao n katika te nano taraaia ma kangkangiia ngkana a kamwaaki. Ma ngaia are, a bubura riki boon kereboki ake a karaoaki raoi ao a uarereke boon ake a aki rang n karaoaki raoi.

A mwaiti taan akawa aika a aki ataa raoi aron karaaoan te kereboki nakon are e na rang n tamaroa iai. N tokina ao a kona n rangi ni uarereke boon aia kereboki mairouia taan boobwai.

A mwaiti aanga ake a kona n kabonganaaki ibukin karaaoan te kereboki n te aro bwa e na rang n tamaroa. Ao te boki aei e bon anganiia taan akawa n aia kaawa nako te kabanea n tamaaroa ibukin katauraoan te kereboki.

Moan Rongorongo

Rinanin kereboki n te Betebek aika a kakaawaki ibukin te iokinibwai

E raka iaon 1000 rinanin kereboki ma tii 20 ke e mwaiti riki aika a anaanaaki riki n aban nako te Betebek. A toa ma araia n taetae aika a mwaiti ao iai naba araia n onoti-n-tiaienti, araia are te moan bon aran te utu ao te kauoua n ara e bon onoti nakon te aeka n kereboki teuana ma teuana.

Mwaitin boon te kereboki e bon nakon te aekaki teuana ma teuana, aron buburana, ao aron nakoraoi karaoana (e oti aei man matan kunna, boina, ao namakinana iaan te bai). A na kabwaranakoaki riki rongorongan aikai n mwakoro aika imwiina.

Tamnein kereboki n te mwakoro aei a kaotaki iai tamnein kereboki ake a rangi n tamaaroa aron karaoaia.

Tein boon te kamwau-n-kereboki n te Betebek e bon irekereke ma buburan te kereboki ao nakoraoi karaoana.



Arana n kabuta:
Tetanoika
Arana n onoti-n-tiaienti:
Holothuria scabra
Boon ae mwau:
US\$16–45 n te kiro



Arana n kabuta:
Teikakoora
Arana n onoti-n-tiaienti:
Holothuria lessoni
Boon ae mwau:
US\$16–45 n te kiro



Arana n kabuta:
Temaimamma
Arana n onoti-n-tiaienti:
Holothuria fuscogilva
Boon ae mwau:
US\$45–85 n te kiro

Moan Rongorongo



Arana n kabuta:
Teromamma
Arana n onoti-n-tiaienti:
Holothuria whitmaei
Boon ae mwau:
US\$25–65 n te kiro



Arana n kabuta:
Teburaerae
Arana n onoti-n-tiaienti:
Thelenota ananas
Boon ae mwau:
US\$25–65 n te kiro



Arana n kabuta:
Tewaeura
Arana n onoti-n-tiaienti:
Actinopyga mauritiana
Boon ae mwau:
US\$25–40 n te kiro



Arana n kabuta:
Teikaatiibu
Scientific name:
Actinopyga lecanora
Boon ae mwau:
US\$25–55 n te kiro



Arana n kabuta:
Teroro
Arana n onoti-n-tiaienti:
Actinopyga palauensis
Boon ae mwau:
US\$25–55 n te kiro

Moan Rongorongo



Arana n kabuta:
Teburaeroro
Arana n onoti-n-tiaienti:
Actinopyga miliaris
Boon ae mwau:
US\$25–55 n te kiro



Arana n kabuta:
Teikaura
Arana n onoti-n-tiaienti:
Actinopyga echinates
Boon ae mwau:
US\$25–65 n te kiro



Arana n kabuta:
Tetaika
Arana n onoti-n-tiaienti:
Bohadschia argus
Boon ae mwau:
US\$12–25 n te kiro



Arana n kabuta:
Tekare
Arana n onoti-n-tiaienti:
Stichopus herrmanni
Boon ae mwau:
US\$8–55 n te kiro



Arana n kabuta:
Tekiriin
Arana n onoti-n-tiaienti:
Stichopus chloronotus
Boon ae mwau:
US\$25–65 n te kiro

Moan Rongorongo



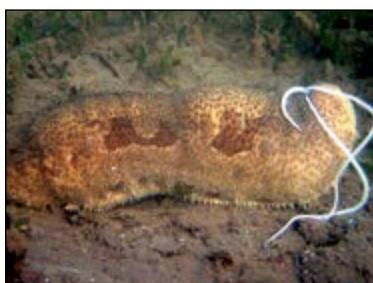
Arana n kabuta:
Teraakon
Arana n onoti-n-tiaienti:
Stichopus monotuberculatus
Boon ae mwau:
US\$10–15 n te kiro



Arana n kabuta:
Tekanimnim
Arana n onoti-n-tiaienti:
Bohadschia vitiensis
Boon ae mwau:
US\$8–20 n te kiro



Arana n kabuta:
Terebanti
Arana n onoti-n-tiaienti:
Holothuria fuscopunctata
Boon ae mwau:
US\$6–8 n te kiro



Arana n kabuta:
Tetiaoka
Arana n onoti-n-tiaienti:
Bohadschia marmorata
Boon ae mwau:
US\$8–18 n te kiro



Arana n kabuta:
Tenaeta
Arana n onoti-n-tiaienti:
Holothuria coluber
Boon ae mwau:
US\$8–16 n te kiro

Moan Rongorongo



Arana n kabuta:
Tentabanebane
Arana n onoti-n-tiaienti:
Holothuria atra
Boon ae mwau:
US\$4–15 n te kiro



Arana n kabuta:
Ntabanebanen teora
Arana n onoti-n-tiaienti:
Holothuria atra
Boon ae mwau:
US\$6–15 n te kiro



Arana n kabuta:
Tenautonga
Arana n onoti-n-tiaienti:
Holothuria edulis
Boon ae mwau:
US\$4–8 n te kiro



Arana n kabuta:
Teaintoa
Arana n onoti-n-tiaienti:
Thelenota anax
Boon ae mwau:
US\$8–18 n te kiro



Arana n kabuta:
Teuee
Arana n onoti-n-tiaienti:
Pearsonothuria graeffei
Boon ae mwau:
US\$3–5 n te kiro

Moan Rongorongo

Bonganaia kereboki nakon te oo-tabwanin

A kakawakawa kereboki iaon te kariburibu ao aon rakai ao n kang amwarake aika uarereke ake a irengan ma te tano ao te riburibu. A kang man n aoraki, nimroona aika a mate ao maan aika a bingjingii ao n manga kaotinakoa te tano ae e itiaki.

Ma ngaia are, a rang n boongana kereboki ibukin kakaraunian menan amwarake ake a tiku iaon tano. Ao mimiia kereboki a bon kona naba ni buoka maiuraoin te nimroona/uteuten taari ma te ane.

Iai kereboki aika a taatauniia ibuakon te tano. Ni karoan aei, ao a kakibea te tano n te aro are e tiku n itiaki ao n tamaaroa.

A kaakanaki naba kereboki irouia maan aika a mwaiti, ma ngaia are a rang n boongana ibukin te tiein n amwarake i taari. Iai iika tabeua, te aa, mwanai, oon ao mannikiba aika a kaakana te kereboki, riki inanon uareerekeia.

Anaakin kereboki n akea te katautau e na bon kona n roota aron mwaitiia ake a na manga bungiaki nakon are i mwina. E na raka roroon aon tano ao man rootaki aron maiun te naa n nimroona/uteuten taari ao te naa n ane.



Moan Rongorongo

Anua aika a raraoi ibukin anaan te kereboki

A akawaaki kereboki n aban nako te Betebeke ma iai aaba tabeua aika a aki kariaia iokinibwaiana nako tinaniku.

Ko bon riai n iira tuan abam ibukin anaan ao kaboonakoan te kereboki. Kai-ni-baaire aikai ana buoka kateimatoaan mwaitin te kereboki ibukim ao ibukiia rooro aika a na roko.

Tuua ma anua aika moan te tamaroa:

- ✓ Tii rikoi buburan kereboki n aron rinaniia aika a kakaokoro.
Katikui ake a uarereke n te aro bwa a na tiku n rikirake ao n manga rikoaki nakon ririki akana imwiina.



- ✓ Tii kabonganai baim ibukin rikoan te kereboki. Tai urua te ane ao te keang.
- ✓ Tii rikoi kereboki nakon te mwaiti are ko kainnanoui. Katikui tabeua bwa a na manga kaabung ibukin ririki aika a na roko.



- ✓ Katikui aeka n kereboki ake a rang ni karoko mwaitiia ke n riaanibwai n iai i abara bwa e aonga n kaawakinaki teimatoan te reita-ni-maiu.
- ✗ Katoka anaan te kereboki n te bong ke kabonganaan te kaeti ngkana e katabuaki kamanenaia iaan tuan abam.

Moan Rongorongo

Taabo ake a iokinibwaia te kereboki ao aron kabonganaana ibukin te amwarake

Ngkana a tia n kamwaaki ao n kamwauaki kereboki, ao a aranaki ngkanne bwa te 'kamwau-n-kereboki' ke te kereboki.

Angii kereboki ake a kabooakinako man aban te Betebeke a bon iokinibwaiaki nako Tiaina. Te moan tabo bon Hong Kong, ma angija a uotaki nakon taabo n boobwai n kaawan Tiaina ake i nuukan te aba. Aaba riki ake a iokinibwaiaki nako iai kereboki man te Betebeke bon Taiwan, Korea ao Amerika (USA).

Te Kereboki bon te amwarake ae e rangi ni bobuaka ao man kangaanga aron reeroken kanakiia. A rang n boobuaka n taabo n boobwai i Aatia. A kabooaki n te rawaaawata irarikin te bai n bakoa ao amwarake riki tabeua ake a tia aroia n kamwauaki.



Moan Rongorongo

Taan kabonganaa te kereboki i Aatia a tangira are e etiruru, akea ikuakin kunna, e turu matana (ibukiia aekaki ake a roroo), a aki boiboi ao man aki onrake n te taoro. A na bon rang n bubura boon kereboki ake iai bwaai aikai irouia.



Taan kang kereboki i Tiaina a kana te kereboki ae renganaki ma te tiooti n taai n amwarake aika a kakaawaki. Te kereboki bon teuana mai buakon kanaia I-Tiaina man bwain taari aika kakaawaki n aia baka n amwarake ke n aia bootaki.



Aron katauraaoan ao karaaoan te kereboki

Ibukin tera bwa n na rang n katamaroa raoi aron karaaoan te kereboki?

Boon te kereboki are e iokinibwaiaki nako tinaniku e na rangi n materaoi ngkana e rangi n tamaraoa aron karaoana. Are nanona bwa a riai taan boobwai n anganiko naba te boo ae tamaraoa riki ibukin tararuaan raoi ao karaaoan raoi am kereboki.

A riai n itiaki raoi kereboki ake a kamwauaki, n aki uruaki ao n taraa raoi.



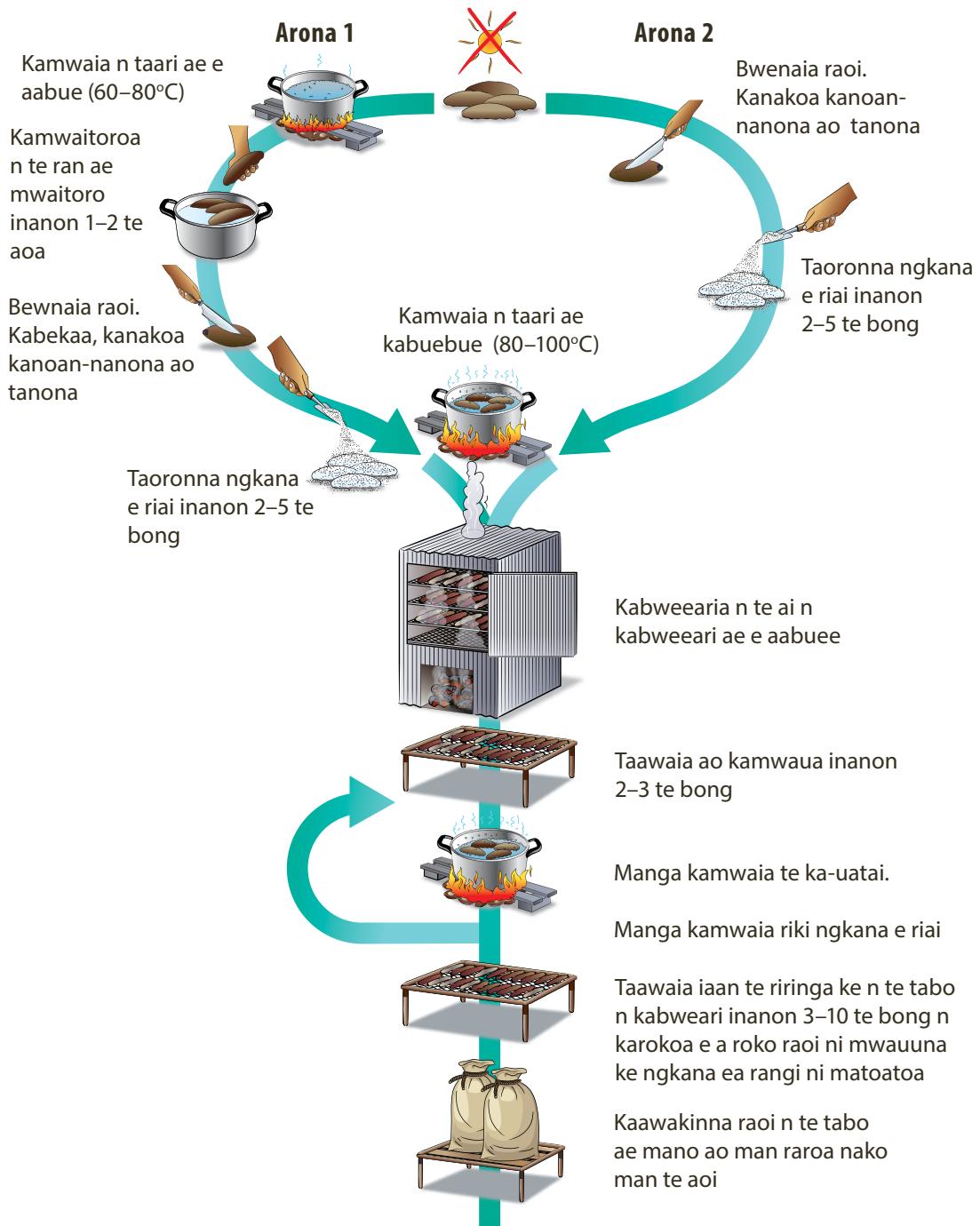
E na tangira riki aia tai kaain am utu ae maan ibukin katamaroaan ao karaaoan raoi te kereboki. Ma uringnga bwa e na mwaiti riki am mwane n reke man am man are ko rikoia mai taari.

Rakan am mane n reereke man karaaoan raoi am kereboki e na bon kauarerekeea naba am tai n nanako n akawa ma ea raka riki am kareke tainti nakon are ko bon tatane iai ni kakarekea.



Aron katauraaoan ao karaaoan te kereboki

Taraia raoi bwa a na aki uruaki rabwatan am kereboki



Aron katauraaoan ao karaaoan te kereboki

Baikara au bwai n mwakuri aika N na kainnanoi?



Te biti ae kakang

Te kai ibukin
kakibean te
kereboki n tain
kamwaakina

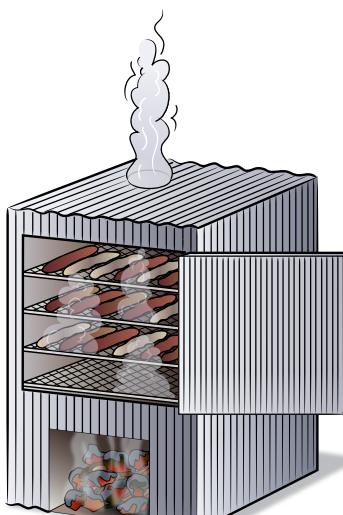
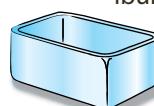


Te kai naeaeki ae ai
aron tein te riena ibukin
aeakan te kereboki
ngkana e mwai



Te bwaata ae e buubura ke te turam ae
te 200 n riita (44 te kaaran) ae koreaki
mai nuukana ao n kaitiakaki raoi

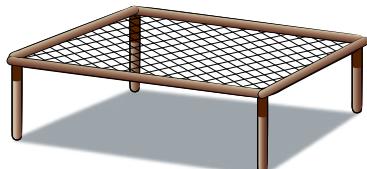
Te taoro ae e aki rang n
mtemte ao am kaonteina
ibukin am kereboki ake a
na taoronaki



Te bwai n kabweeari
ngkana iai



Te baobao n
tataawa



Kaai aika a uarereke
ibukin kaukan mwiin
bwenaan te roo ao
te mai mamma ao te
tuain ibukin manga
kainana



Te baiki ke baiki
ibukin kawakinan
am kereboki
ngkana a mwau

Aron katauraoan ao karaaoan te kereboki

Aron tararuan te kereboki man moan anakina mai taari

A riai n kaawakinaki raoi ao n kamwaitoroaki kereboki inanon te booti ke n te buua ae kakanoa n taari. Ngkana ko kaawakin n te booti ao katanii man te riringa!



Tai kataia n kaibetaotaoi, mwiina a na manamana ke n uruaki kuniia.

- Boota Teromamma (black teatfish) ma Temaimamma (white teatfish) n neia ae ti teuana.
- Booti utuu ake a roroo (Actinopyga) n neia ae ti teuana
- Boota teburaerae bon irouna ke n ikotia ma tewaeura
- Kaokoroa Tekare bon irouna n aki ikoikotia ma aeka ni kereboki ake tabuea

Taraia raoi bwa e na bon aki ikuaki ke n uruaki kunin am kereboki

A kakai rootaki ke n maranako rabataia aeka n kereboki tabeua riki ngkana a rootaki n te kabuehue ke n te mwautakataka. Kaawakin raoi aekaki aikai n te turam ae kakanoa n taari ae mwaitoro ao man tan raoi man te riringa iaon te booti ao man onoono-raniia.

Aron katauraaoan ao karaaoan te kereboki



Tekare



Teaintoa



Tekiriin

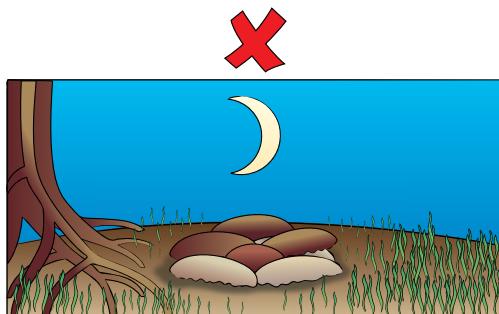


Teraakon

Ibukin **Tekare**, **Tekiriin** ao **Teraakon**, e tamaroa riki ngkana a kaawakinaki n te mwaitoro ke taari ae kamwaitoroaki n te aiti ke a nneaki n te aiti n karokoa te tai are a nang kamwaaki iai. Tai kabekai n karokoa te tai are a nang kamwaaki iai bwa mwiina ao a maenako naba rabwataia ao irikoia. A bon kona naba n kaawakinaki n te aiti tenaa ni mamma (te teatfish), **Teburaerae** ao **Tetaika**, ngkana a kona.



Ko riai ni karoai naba konam ni kabekai ao ni kamwai imwiin okim n akawa n te bong naba anne. Ngkana ko aki kona n karoai konam n te bong naba anne, ao e rangi n tamaaroa ae ko katikui ni kaawakin konam i taari n te tairiki anne n te tabo ae ia bubuti ao n aki kona n takaroro n tain te ora ke ni kaawakin n te turam ae e kakanoa n taari.



Aron katauraoan ao karaoaan te kereboki

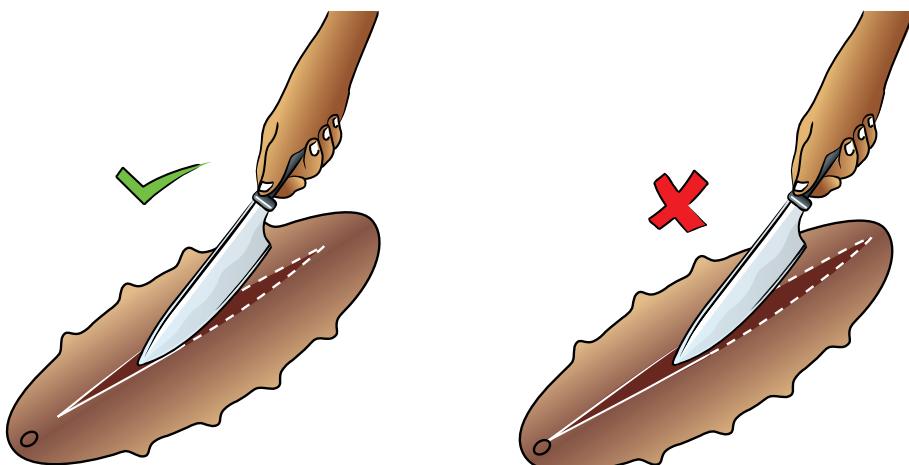
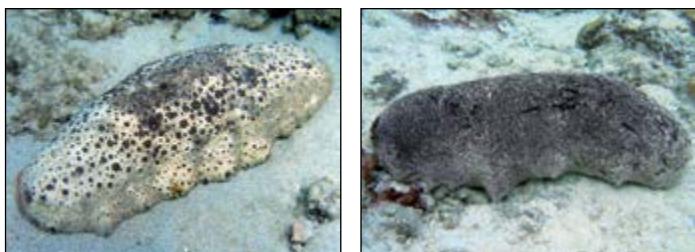
Aron Te Kabekabeka

Kauring tabeua

- ✓ Taratara raoi ngkana ko bwenai am kereboki. E tangiraki te kereboki ae e bon eti raoi aron koreana ao man koreaki raoi n nnena n aron utuun te kereboki irouia taan boobwai mai Aatia.
- ✓ Tai korokoro ni katabwena man wiina nakon kabekarana/kiina.
- ✓ E raoiroi riki te bwenabwena ae uarereke nakon ae ananau.
- ✓ Taraia raoi bwa ko na kanakoi kanoannanona ni kabane ma tantanona. Katikui ana mwaati-reti ke kokoranna.
- ✓ Ngkana e na raka iaon tebongina maanin am tai n akawa ao taoron am kereboki ke kamwaitoroi n te aitiburaoki ma tai kaburaoki bwa mwiina a na uruaki ao n buakaka.

Aron kabekaan Temaimamma ao Teromamma

Bwenai raoi am kerboki mai akuuia. Kaeta raoi am korokoro ao man katuka 2 nakon 3 rababan te tabonibai (3–5 cm) ae e na aki koreaki i moan wiina ao bukina. Taraia bwa e na boorarabaua raoi moa imwaain koreakina.

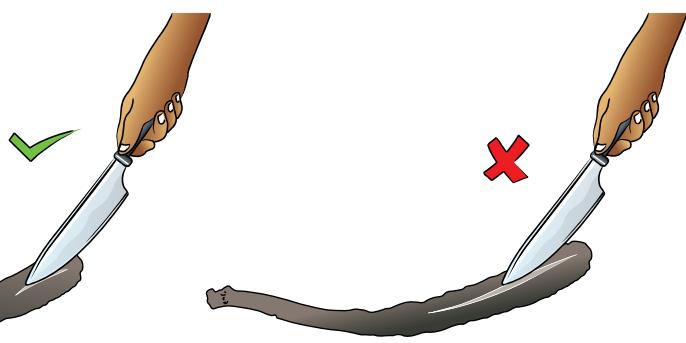


Tai bwenaia man wiina nako bukina

Aron katauraaoan ao karaaoan te kereboki

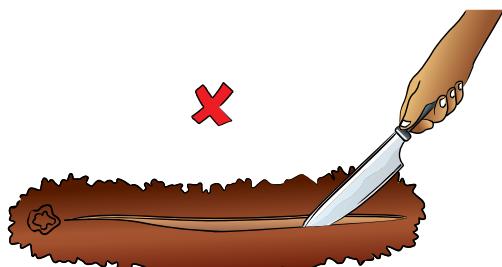
Aron kabekaan Tenaeta

Ibukiaa utuu ake a ananau n aekan Tenaeta ao ko kona n bwenaia n uoua te tabo mai iaan birotoia. E tamaroa riki ngkana e kabekaaki imwiin moan kamwaana n te aro are a na bon tiku n aron teeia n taraa raoi. Tai mwaninga n kanakoa raoi te tano mai nanoia.



Aron kabekaan Teburaerae, Teaintoa ao Terebwanti

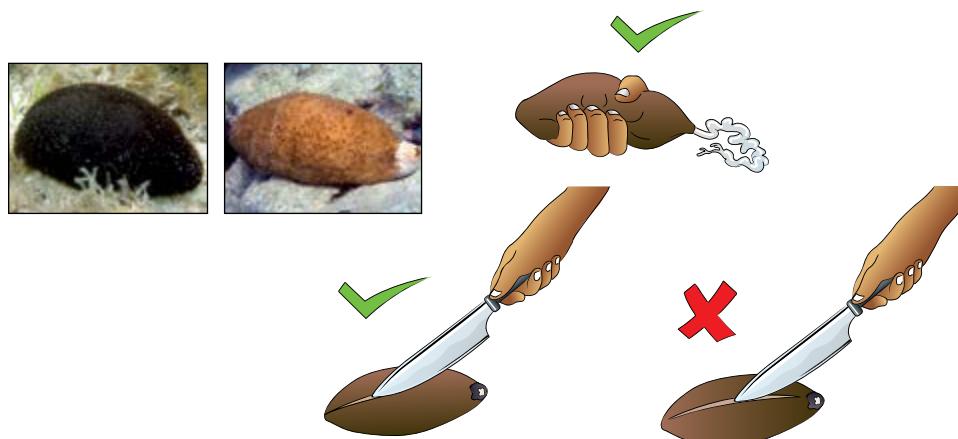
Karaao te bwenabwena ae eti man abwabwaki nako aan biroton te man. Katuka tao 3 rababan te tabonibai (5 cm) are e na aki koreaki i moan wiina ao bukiina.



Aron katauraaoan ao karaaoan te kereboki

Aron kabekaan Teburaeroro ao Teikatiibu

Ko a bon tii koon naba kereboki aikai ao a beka naba man otinako kanoan-nanoia, ao ko a kamwaii naba. Ma kereboki ake a aki koreaki a na aki rang n kakai-mwau. Te anga naba teuana kona bon kamwa moa am kereboki n te ran ae kabuehue, imwiina koa karaoa naba te korokoro ae e uarereke nako aan birotona irarikin kabekarana ao ko a kabekaa naba. E tangiraki riki ae e mronron taraana irouia kaain Aatia ma tiaki are e boo-rababaua



Aron kabekaan Kereboki riki ake tabeua

Karaoa te korokoro ae tao 2–3 rababan te tabonibai iaan te man n wiina ke kiina, ma tiaki n kau-uatabo! Titiraki bwa te aekakira ae e tangiria riki am tia kaboobwai.

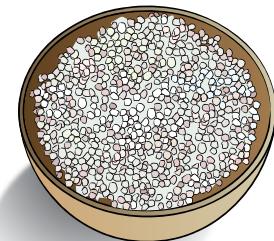


Aron katauraoan ao karaaoan te kereboki

Aron te Taoro

E kanakoa te ran te taoro man rabwatan te kereboki. E na bon karawawata naba te kereboki imwiin kamwaana ao kamwauana, are nanona bwa e na reke riki am mwane ae e mwaiti ngkana e kabooakinako am kereboki n te rawaawata.

E riai n kabonganaaki te taoro are e aki rang n mte ke are e tanotano. E kona n urua kunin te kereboki te taoro are e rangi n mte. Te taoro are e aki n rangi n mte e bon karaurau rinnakona inanon irikon te kereboki, aei are e bon tangiraki riki.



Te taoro ae tanotano



Te taoro ae e mte

Iai uaaekaki aron taoronakin te kereboki:

Te taoro ae mwaimwai:

Nnei kereboki inanon te turam ke te bwaoki ae e in ao n karemarenai n te taoro. A na bon nako ranin rabwataia kereboki n te aro ae e mwaiti, n tokin te tai ao a na bon neinei n te taoro. Kabonganaa 1 te kiro te taoro n katoa 3 te kiro te kereboki. E tikiraoi te kawai aei ngkana ko aki kona n kamwai am kereboki n te tai ae waekoa imwiin rikoia.

Te taoro ae mwau:

Imwiin kamwaan ao kabekaan am kereboki, katokai iaon te taoro inanon te bwaoki ae iai bwangabwangan aana. Kabaraakii iaon mwiin koreaia. Taoron marenan kereboki.

E na timtim ranin rabwataia n bwangabwangan te bwaoki ao n aki rangi n mwaimwai rabawatan kereboki. Kabonganaa 1 te kiro te taoro n katoa 1 naba te kiro te kereboki.

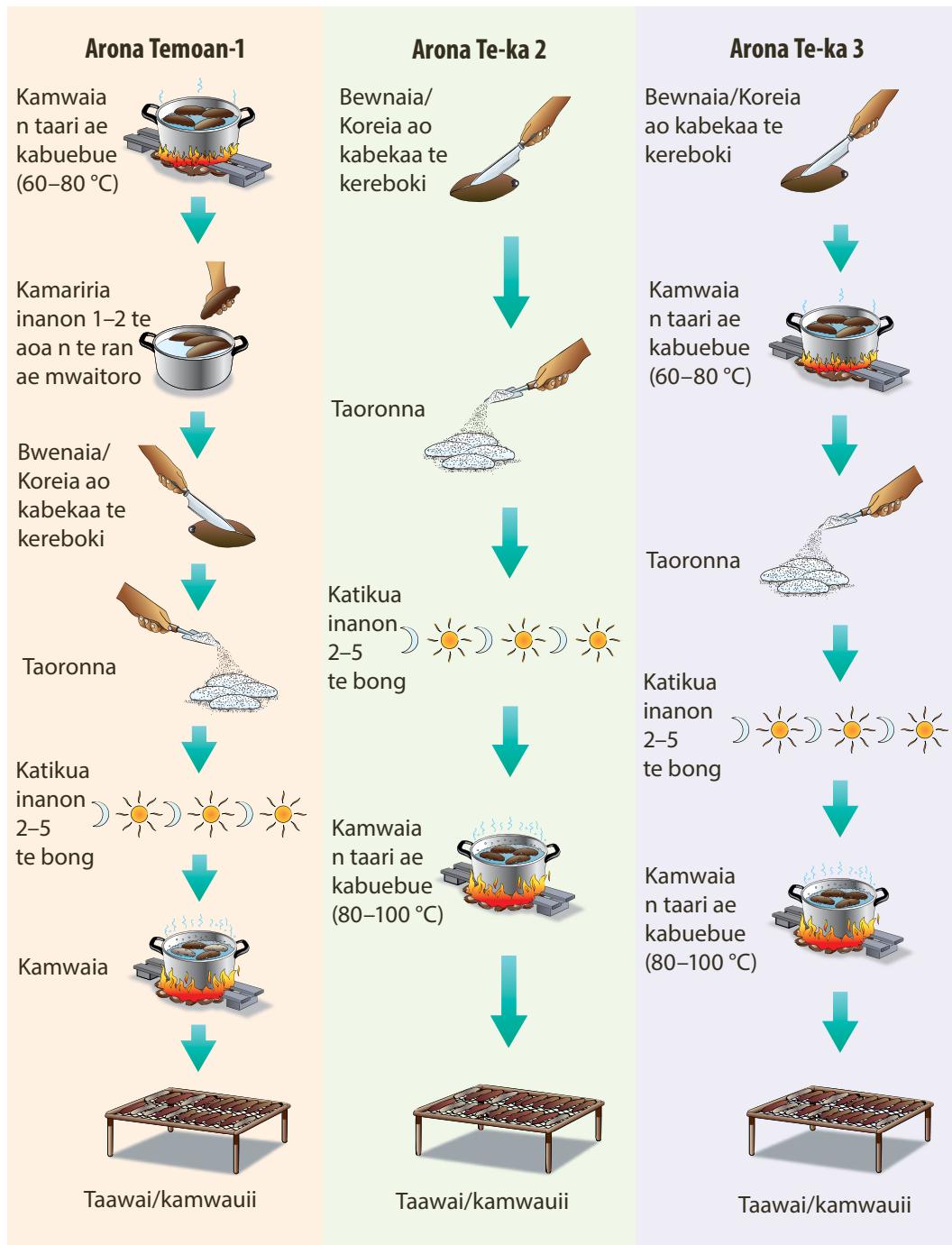
Imwiin kabonganaan te taoro iraua te tai, kaitiakia ao manga kabonganaa.

Ngkana ko taoron kereboki imwiin kabekaia ao imwaain moan kamwaakiia, waekoa nnei inanon te turam ma te taoro imwiin rikoia.

N anguin te tai ao taan karao kereboki a taorona te kereboki imwiin moan kamwaakiia, aei are e totokoa kabonganaan te taoro ae e mwaiti. Ngkana kona karaoa aei, ao tataningaa moa maririn te kereboki imwaain ae ko taoronii.

Aron katauraoan ao karaoaan te kereboki

Aron taoronakin te kereboki



Aron katauraaoan ao karaaoan te kereboki

Tai booti n taoron kereboki aika a kaokoro! Bon tii booti n taoron kereboki ake tii teboo inanon nneia ae ti teuana.

Ma ko bon kona naba ni booti n taoronii aekaki ake tabeua.

- Booti n **taoron Teromamma** ao **Temaimamma**. Ko riai n kanoai rabwatan maan aikai n te taoro. Karaui nnei n te taoro ao kabaraakii iaon mwiin bwenaakiia.



- Booti taoron tenaa n kereboki ake a roroo (*Actinopyga*) ao tai renganii ma aekaki ake tabeua bwa a kona n bitii matan ake tabeua n karorooi. Ngkana ko kabongana te taoro ae mwau ao, kararai ni barakii iaon mwiin bwenaakiia.



Aron katauraaoan ao karaaoan te kereboki

- Taorona Teburaerae n tii ngaia ke n ikotia ma Tewaeura.



Kaawakin kereboki n te taoro inanon 2–5 te bong

Tai taorona Tekiriin bwa e na tae matana n te taoro ao ma ni bua matana are e roo. A aki taorona naba Tekare taan karao kereboki tabeman, ma e bon kona n taoronaki imwiin kamwaanaa.



Tii taorona Tekare imwiin kamwaana!

Ibukin Teaintoa, tii taoron inanon 2 te bong tokin maanna bwa mwiina a na bua mataia ke aia kara.



Tii uabong (2 te bong) n taoronaki

Tera ae ko na karaoria ngkana akea am taoro?

Ngkana akea am taoro are e kiritanotano, ao an kamwai naba am kereboki. Ma ngkana akea te taoro ao e na abwabwaki riki tain kamwauia kereboki ao a na beebeete riki nakon are a taoronaki, ao e na uareereke riki am mwane ni kona n reke.

Aron katauraaoan ao karaaoan te kereboki

Aron Kamwaan te Kereboki

A mwaiti aanga ibukin kamwaan te kereboki.

E kona n uruaki kunin te kereboki ngkana e rang n kabuebue aina.

Te kabanea n tamaroa n anga e na bon kamwaaki moa 1 te tai, ao e a kamwauaki naba inanon 2–3 te bong, manga kamwai riki te kauatai ao te katentai ngkana e riai.

Kauring tabeua:

- ✓ Ibukin moan kamwaakiia ao ko kona n kamwai n te ran ae e kabuebue
- ✓ Kabwakai moa am kereboki n te ran ae e aabue imwaain ae ko kaburoa ranna.
- ✓ Kabonganaa taari ibukin te kaburoburo ao tiaki te ran ae mam.
- ✓ Kaokoroi n kamwaii aeka n kereboki n aron utuuia nako.
- ✓ Kuarereke riki tain kamwaan kereboki ake a uarereke nakon ake a buubura.
- ✓ Kaboonganaa te kuro/kamwaa ke te bwaata ae bubura ma kanaana ae mwaiti.
- ✓ Taraia bwa a na aki uruaki kunin kereboki inanon tain kakibekibeana ke n tain aekakina.
- ✓ Teboki kereboki n te ran n kanakoi taoroia imwiin kamwaakiia.

Ko kona n kabonganaa te ewanin ibukin am aia ibukin kamwaan am kereboki. Tai aiana te tongo bwa e kakaawaki ibukin te otawanin.

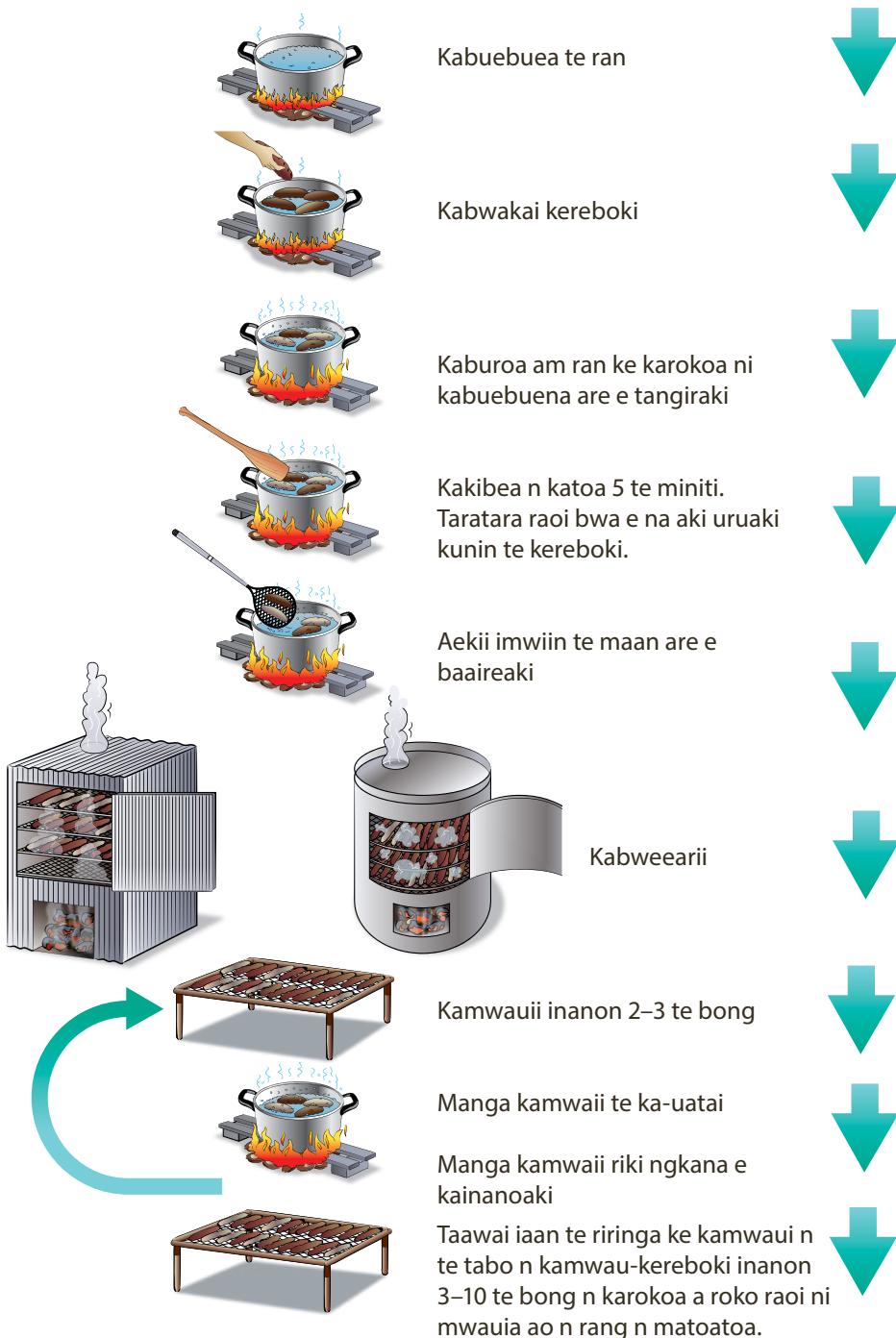
Te aekakira te ran ae I riai n kabonganaa?

Kataia kaboganaa taari ibukin kamwaan am kereboki ao tiaki te karau ke te ran ae mam. E na bon tiku aron matan te kereboki n taari ao n kateimatoaa naba kunin te kereboki bwa e na aki kakai-uruaki.

Ma ngkana arona bwa ko aki kona n kabonganaa taari ibukin kamwaan am kereboki ao an kaboganaa ngkanne te ran ae mam.

Aron katauraaoan ao karaaoan te kereboki

Kakaaiwenean te kaburoburo/kamwai ao te tataawa



Aron katauraaoan ao karaaoan te kereboki

Tao kabuebuera te ran ae e riai ibukin kamwaan te kereboki?

Iai uoua kawai aika ko kona n katai.

Te Moan Kawai - A

Moanna ma taari ae
mwaitoro (20–30 °C)



Nnei am
kereboki



Kaburoa ke karokoa
n te kabuebue are e
tangiraki



Kamwaia nakon te maan are e
tangiraki. Ibukin kamwaakina are te
kauoua ao te kateniua ko a kona ni
kaburoa raoi ranna.

Te Ka-Uoua n Kawai - B

Moanna ma taari ae
e aabuee (40 °C)



Nnei am
kereboki



Karakaa aiana ni karokoa n
te kabuebuea ae e nakon
70–90 °C (tai kaburoa ranna)



Kamwaia nakon te maan ae tangiraki.
Ibukin kamwaakina are te kauoua ao
te kateniua ko a kona ni kaburoa raoi
ranna.

Aron katauraoan ao karaoaan te kereboki

Tao e na maannra tain kamwaan te kereboki?

Maanin Temaimamma ao Teromamma

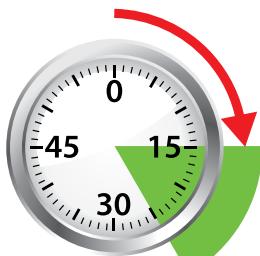
Kamwaii n te maan ae 10–20 te miniti n te moan kamwai, maanin taina e na tauaki mangke e moan buro te ran ke ngkana e a roko n kabuebuena. A mwai ngkana a mronron n aekan te ben.



10–20 te miniti

Kereboki ake a roro (*Actinopyga*) ma utuuna nako

Kamwaii n te maan ae 15–25 te miniti n te moan kamwai, maanin taina e na tauaki mangke e moan buro te ran ke ngkana e a roko n kabuebuena. Ngkana ko aki bwena Teikatiibu ao Teburaeroroo (hairy blackfish) imwaain kamwaakia, ao karaua kakibekibea bwa a aonga n aki rebwetaua ao n uruaki.



15–25 te miniti

Aron katauraaoan ao karaaoan te kereboki



Aron kamwaan kereboki ake a buuburakaei

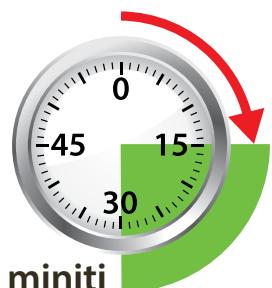
Kamwaii n te maan ae 20–30 te miniti n te moan kamwai, maanin taina e na tauaki mangke e moan buro te ran ke ngkana e a roko n kabuebuena.

20–30 te miniti



Aron kamwaan aekaki n kereboki riki ake tabeua

Kamwaii n te maan ae 15–30 te miniti n te moan kamwai, maanin taina ena tauaki mangke e moan buro te ran ke ngkana e a roko n kabuebuena. Rangi ni karauraua aron kakibean Tekare ke bon tai kakibea n tain kamwaakina bwa a rang n kai uruaki kunia.



15–30 te miniti



Aron katauraaoan ao karaaoan te kereboki



Ko riai n kamwaii kereboki te kauatai ngkana ko kona. Te kauoua ni kamwai e na riai ni karaoaki 2–3 te bong imwiin kamwauaia. Te aro aei are a kona n waekoa n nako iai ranin kereboki man irikoia ao n konaa riki n kakai-mwauu. Manga kamwaan te kereboki e bon anganiko am tai n katamaaroaa aron tein am kereboki bwa ko kona n manga kaetii raoi aron teia. Imwiin manga kamwaakiia ao kaetii raoi teia inanon maraurauia. Bon tii 10–30 te miniti maanin tain kamaakiia te ka-uatai mangke e moan buro ranna.



10–30 te miniti

N tabetai ao e tangiraki ae a na manga kamwaaki riki am kereboki te katentai. E kainnanoaki aei ngkana e tuai baabane raoi te taoro man am kereboki ke ngkana a bon tiku naba n ninibwaoua. Kamwauii raoi moa inanon 2–3 te bong imwaain kamwaakiia te katentai. Tii 5–10 te miniti maanin taina mangke e moan buro ranna.



5–10 te miniti

Aron katauraaoan ao karaaoan te kereboki

Kanakoan kiritanotanon Tetanoika (Sandfish) ao te Teikakoora (goldfish)

Iai te kiritanotano ae e riai ni kanakoaki man rabwataia aeka ni kereboki aikai imwiin kamwaakiia.



Iai aanga tabeua ibukin kanakoan kiritanotanon rabwataia kereboki aikai imwiin moan kamwaakiia. Aanga aikai a bon kamkaa teutana kunin te kereboki n te aro bwa a kona n waekoa ni kounako kiritanotano aikai.

1. Taun am kereboki ao kabwaroa te ranbue iaoia. Rabuna am tabo anne n te baeki bwa e aonga n teimaan kabuebuen te tano, katikuii nakon te bong are i mwiina. Katararakei am kereboki ngkana ko taunii.
2. Booti nnei kereboki n te bwaoki (container) ke te bwai teuana, taotaona matana n te bwai ae e rawaawata ao, katikuii kereboki inanona teuana te tairiki; ke
3. Kaawakin n ranna ae taari (itia ranna mai taari) n te tairiki anne.

Kabonganaa te burati ae matoa wiina ao buratin n kanakoi tantanoia n te bong are imwiina. Taraia raoi bwa a na bon baabane raoi tantanoia n nako



Te anga naba teuana bon kabwakaan baan te mwemweara aika a kammantiitaki inanon te ran n te moan tai are a kamwaaki iai kereboki. Aei e onea mwiin taunakin kereboki inanon teuana te tairki ao are a kona ngkanne n kaaraki tantanoia man rabwataia imwiin kamwaakiia.

Aron katauraoan ao karaaoan te kreboki

Aron Kabweearian te kreboki

A aki bane n kaakaraoa te kabweeari kaain te Betebek ibukin kamwauan aia kreboki. Ko kona n kaboonganaa te kai ke te eewanin ibukin aian am kabweeari.

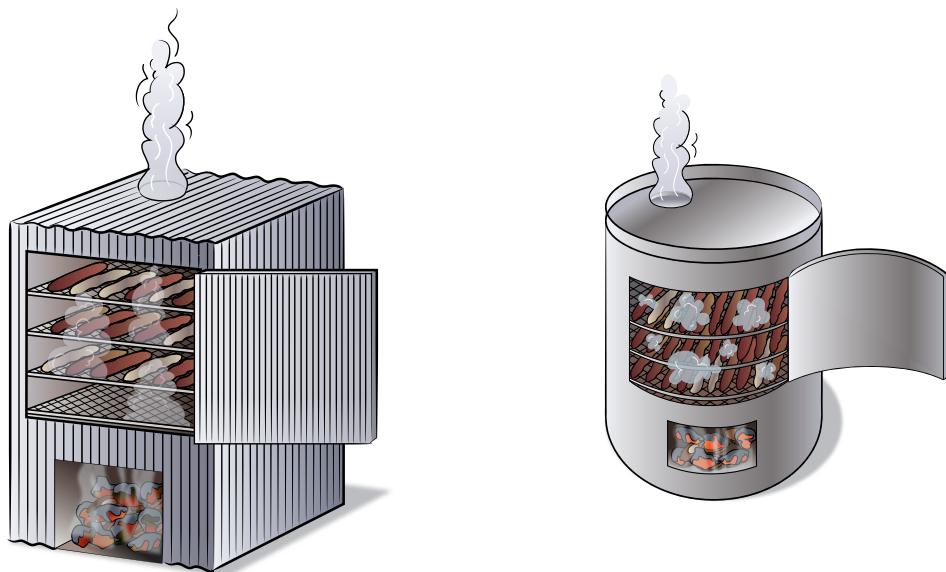
E rang n tikiraoi kabonganaan te kabweeari ngkana ko aki kabonganaa te taoro. E ibuobuoki naba te kabweeari n kamwau am kreboki riki n tain te kakarau.

Kauring tabeua:

- ✓ E tikiraoi te kabweeari ngkana ko aki kabonganaa te taoro.
- ✓ E tikiraoi boin te kabweeari ae beebete ma e a manga aki raoiroi are e katong boina. Ma ngaia are tai kabweearii am kreboki inanon te tai ae maan.
- ✓ Kabognanaa te ai n kabweeari ae uarereke ibukin kabweearian am kreboki.
- ✓ Kararoai am kreboki mai irarikin ain te kabweeari bwa a aonga n aki rang n kai rootaki n te kabuebue.
- ✗ Tai rang n kabatiaa kanaan am ai bwa e aonga n aki rang n kabuebue. Ngkana e rang n kabuebue ao e na bon kamatoatoa kunin am kreboki (bwatakataka) ao n kawaeremwea mwauna.

Ko kona n bon karaoa am ai n kabweeari ibukin kabweearian am kreboki. Karietai teutana am kai n tataawa aika a warawara maiaon te ai ao karaoa Teikakoora bwangabwangan aon am ai n kabweeari n te aro bwa e na kai otinako te bubu maiai.

Ko kona n kabweearii am kreboki imwiin te moan ke te ka-uoua n kamwai.



Aron katauraaoan ao karaaoan te kereboki

Aron kamwauan te Kereboki

A bon riai n kamwauaki raoi keraboki imwiin kamwaakiia.

Kauring tabeua:

- ✓ Taraia raoi bwa a na aki uruaki kunin kereboki ngkai a maraurau ao riki ngkana a wmena iaon te bao n tataawa.
- ✓ E riai n kamwauaki raoi te kereboki inanon tabeua te bong, ma e bon nakon kanoan te bong ao aron kamwauana are ko karaoia nako iai.
- ✓ Ngkana a aki rangi n mwau raoi am kereboki, manga kamwaii riki n aron kawai akana a kabwarabwaraaki mai moana.
- ✓ A bon riai n kamwauaki raoi kereboki n te aro ae a na rang ni matoatoa bwa e aonga n materaoi booia ao n totokoa naba te bwebwe inanon tain kaawakinaia.
- ✗ Tai kamwaua te kereboki n te kabuehue ae e rang n korakora bwa mwiina e na rang n matoatoa kunna ao n kiriaria n mwau nanona.

Karin mwakoro n kai aika a uarereke n Temaimamma ao Teromamma ao n kereboki naba ake a bubuubura bwa a aonga n uki nako rabwataia ao n waekoa ni mwau. A kona n tiku kaai i nanon te kereboki n tain kamwaakiia te kauatai ao te katentai. Imwiin kabanean kamwaakiia ao kanakoi kaai ao kaina rabwatan te kereboki inanon ana tai n mwau.

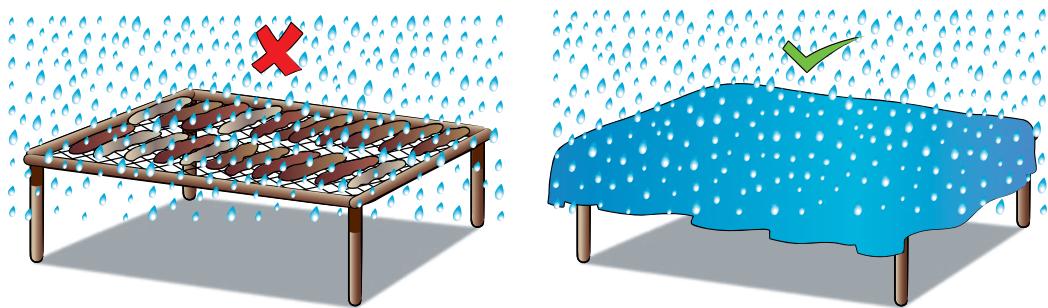


Kabonganaa te biti n katinakoi ranin taabo ake a kakanoa n te ran mai nanon rabwatan Temaimamma ao Teromamma imwiin kamwaakia bwa a aonga n mwau raoi.

Taawai iaan te riringa iaon te baobao n tataawa. Rabuna am kereboki ngkana e bwaka te karau ke kamwaei nakon te tabo ae e mano.

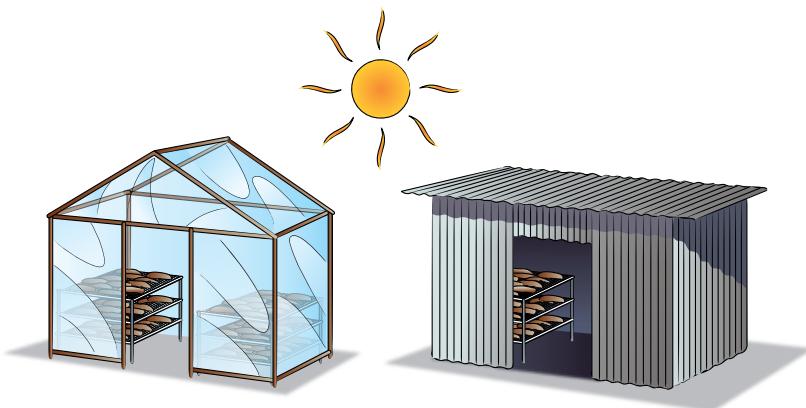
Aron katauraoan ao karaoaan te kereboki

E na bon kabuakakai kunin kereboki te karau. Ma ngaia are ko riai n taratara raoi bwa e na akea naba te timtim ni karau ae e na roko iaon te kereboki!



Ngkana ko maeka n te tabo ae kakabuehue ao n aomwaimwai ao e riai bwa ko na raarabun am kereboki n te bong. N tain te kakarau, manga kamwai ao taawai am kereboki n te aro bwa a na kakai mwau raoi riki.

Ko kona n kabongaaa te auti n tataawa ae e ooaki ao e rabunaki n te buratitiki (plastic) ke te kaabwa. Te auti n tataawa e bon taua kabuebuen taai ao e kamanoi kereboki man te karau



E bon riai n mena te kabuehue imarenan 35 ao 45 °C. Ngkana e raka kabuebuen am tabo n tatawa iaon te kabuehue aio ao a kona n kiri bwabwaoua rabwataia ibukina bwa a waekoa n kui. E bon kona naba ni manga otinako taoron rabwatan te kereboki iai.

Rongorongo riki tabeua

Katootoon tein kereboki ake a karoaki raoi ao ake a aki karoaki raoi



Actinopyga mauritiana

Tein ae e tamaaroa karoana



Akea uruakina



Tikiraoi bwenaana

Tein ae e buaakaka karoana



E bure koreana bwa
e koreaki mai aona



E rangi n abwabwaki
koreana



Holothuria lessoni

Tein ae e tamaaroa karoana



Wai-eti. Akea uruakina



Euarereke koreana mai
iaana

Tein ae e buaakaka karoana



E aki kaitiakaki raoi
babane raoi kiriwakawakana



E riao aron bwenakina
mai bukina

Rongorongo riki tabeua

Katootoon tein kereboki ake a karaoaki raoi ao ake a aki karaoaki raoi



Holothuria fuscogilva

Tein ae e tamaaroa karaoana



Wai eti



Tikiraoi bwenaana

Tein ae e buaakaka karaoana



E bwaoua aron Koreana



E maan n tiku iaan te riringa imwaain kamaakina E uruaki kunna



Holothuria whitmaei

Tein ae e tamaaroa karaoana



Akea uruakina
E tikiraoi bwenaana

Tein ae e buaakaka karaoana



Akea uruakina



E rangi n abwabwaki bwenaana.
ao e kiribwabwaoua



E bwatata n tain kabweeariana

Rongorongo riki tabeua

Katootoon tein kereboki ake a karaoaki raoi ao ake a aki karaoaki raoi



Holothuria fuscopunctata

Tein ae e tamaaroa karaoana



Waieti.
Akea uruakina

Tein ae e buaakaka karaoana



E riao bwenaana



E uruaki inanor karaoana



Bohadschia argus

Tein ae e tamaaroa karaoana



E uareereke bwenaana

Tein ae e buaakaka karaoana



Tikiraoi matana (karana)



E riao aron bwenaan



E bwatata ao e uruaki kunna

Rongorongo riki tabeua

Katootoon tein kereboki ake a karaoaki raoi ao ake a aki karaoaki raoi



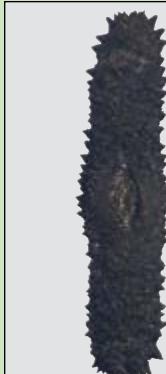
Stichopus chloronotus

Tein ae e tamaaroa karaoana



E tokatoka matana.
Akea uruakina

E tikiraoi bwenaana.
E tokatoka matana



Tein ae e buaakaka karaoana



E riao aron bwenaana.
E tae matana

E uruaki kunna



Thelenota ananas

Tein ae e tamaaroa karaoana



E tokatoka matana

Tein ae e buaakaka karaoana



E tikiraoi bwenaana



E mwaiti mwintekaoorontiku iaona



E ranginriao bwenaana.
E kainanoaeenamangakabaeaki

Rongorongo riki tabeua

Katootoon tein kereboki ake a karaoaki raoi ao ake a aki karaoaki raoi



Holothuria scabra

Tein ae e tamaaroa karaoana



E roo ao n tokā matana,
Akea uruakina



E uareereke bwenaana
mai aana

Tein ae e buaakaka karaoana



Mwiin te bewnabwena
ae e aki nako raoi



E uruaki kunna man aki
nakoraoin te taoro



Holothuria coluber

Tein ae e tamaaroa karaoana



E uareereke bwenaana.
Akea uruakina



Waieti ao e uareereke
bwenaana

Tein ae e buaakaka karaoana



E aki babane raoi tanona. Imwiin
kabekaana E kiribwabwaoua



E riao bwenaana

Rongorongo riki tabeua

Kaawakinan te kreboki ngkana e a tia ni mwauu

A riai n kaawakinaki raoi kreboki n te tabo ae e mwau, mwiina a na manga rootaki n te bwebwe ao n manga maraurau.

Kaawakin am kreboki n te baeki ae e mwau ao rabun bwa a na aki aoi. Ngkana akea am tabo ae e tan ibukin kaawakinan am kreboki ao katokai ieta ni kararoai ma aontano bwa a aonga n tiku n aroia.



Kamanoi am kreboki mairouia kimoa.

Rongorongo riki tabeua

Kaboonakoan am kereboki

Titirakinia aobitia man te Bootaki n Akawa ibukin rongorongoia taan kaboo kereboki.

Te kabanea n tamaaroa ibukin karekean te boo ae materaoi bon karekeia am taan boobwai aika a mwaiti are ko kona ngkanne n rinea ae e na anganiko te kabanea n tamaaroa n boo.

Ko na bon karekeia te mwane ae e mwaiti ibukin am kereboki ake a karaoaki raoi. Are nanona bwa a na riai am kereboki n:

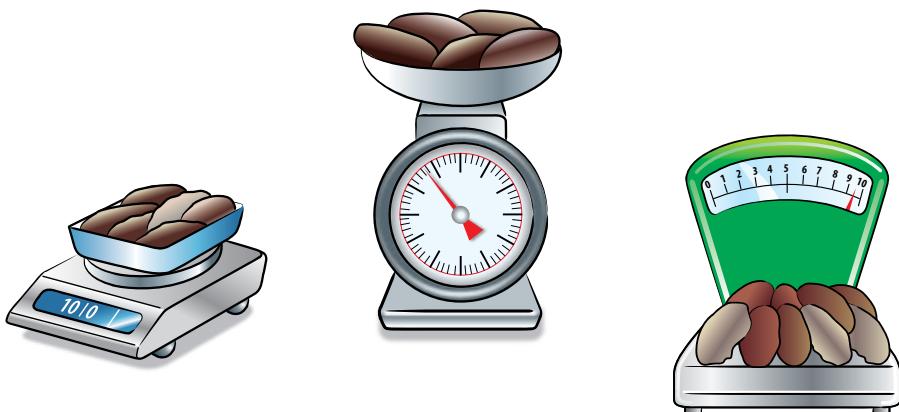
- ✓ Bwenaaki raoi n taabo ake a bon riai ao n kanakoaki tanotanoia.
- ✓ Aki uruaki
- ✓ A na eti raoi teia ao man aki bwabwaoua
- ✓ Ake a menan te taoro i tinanikuua
- ✓ A na mwau raoi
- ✓ Tikiraoi mataia ke aia kara

Tai kantaningaa te boo ae e materaoi ibukin am kereboki ngkana e aki eti aron bwenaakina, a uruaki, a kiribwabwaoua, e mwaiti mwin te taoro n rabwataia, a tae mataia, ke a aki rang n mwau.



Tuatua te boo ae e materaoi mairoun am tia kaboobwai ngkana e bon rangi n tamaraa aron karaaan am kereboki.

Rongorongo riki tabeua



Tuanga am tia kaboo kereboki bwa e na kabooa am kereboki n te kiro (kilogram) ao n kakoauaa naba rawatan am kereboki.



Ko kona naba n tuatua am ritiiti ibukin mwiin am katine kereboki. E na raii n oti rawaawatan am katine ma boon am kereboki nakon utuuia aika a kakaokoro.

Kauring tabeua ae a kakawaki

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Aron karaaoan ao kamauan te kereboki: Te boki ibukin buokaia taan akawa n te Betebeke

Ekaoaki te boki aei ibukin buokaia taan akawa n aban te Betebeke bwa a aonga n oota ao n ataa aron karaaoan te kereboki ae menaai nakon te kamwau ibukin te iookinibwai. E baarongaaki te boki aei ri-nanon te ACIAR project FIS/2010/096 – Evaluating the impacts of improving postharvest processing of sea cucumbers in the Western Pacific, bwa te bwai n mwakuri ao are e katurua riki iai te taratara iaoia taan akawa i Biti, Kiribati ao Tonga.

A kang kereboki kaain Aatia bwa amwarake aika a raka aroia ao riki n tian boobootaki ke ibukin naba te amwarake n bwai-n-aoraki. A riai n karaoaki raoi kereboki imwiin rikoia n karokoa a mwau n te aro bwa a na rangi n tamaroa mataia (karaia), teiia ao taraaia ibukiia taan boobwai mai Aatia. A na rang n materaoi boon kereboki ake a karaoaki raoi ma a na materaa boon ake a aki karaoaki raoi ibukiia taan akawa ao te iookinibwai.

E katangainai ao n kaoti te boki aei aanga ao aron karaaoan te kereboki nakon te kabanea n tamaaroa iaon tararuaana, aron te bwenabwena, aron kamwaakina, aron kabweeariana, aron kamwauana, aron kaawakinana ao ai kabonakoana. Iai naba tamnein maan aikai ngke a maiu ao ngke a mwau n aron utuuia ma rinaniia nako ao riki ake a ioiokinibwaiaki man aban nako te Betebeke, n ikotaki naba ma kaairua aika a aki toki n reke n tain karaaoan te kereboki.

