

# Tingapange Bwanji Mng'oma Watimatabwa Tosuntha Zisa



**A zimayi a ku Nessuit Project (Rift Valley, Kenya), a kumata mng'ona ndi ndowe za ng'ombe ndi dothi.**

Zinthuzi zoonjerezerapo zidaperekedwa ndi Roy Dyche ndi Paul Latham



## 1. KUPANGA MNG'ONA WA MATABWA

**Dulani matabwa molingana. Matabwa awa ndi a mulitali.**



**Palani matabwa kuti mulumikize bwino.**



**Lumikizani timatabwa tiwiri tatifupi kuti mupange gebulo (ya ku tsogolo ndi kumbuyo). Dulani mutu wa msomali (kapena wongolani msomali pamwala ndi nyundo) kuti mbali zonse za msomali zikhale zosongoka. Polumikiza khomelani timatabwa ndi msomali woongoka konsekonse.**



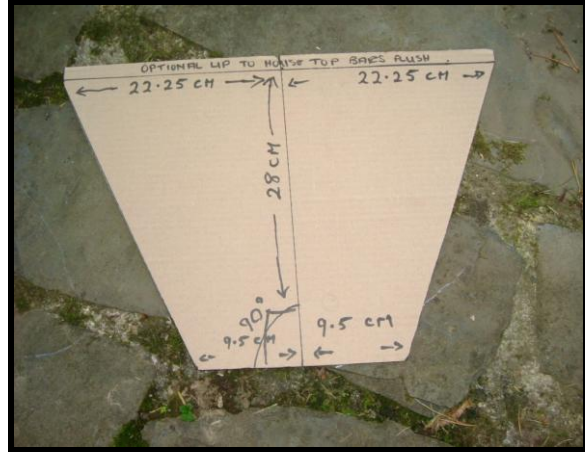
**Amakhala wokwingwinyala matabwa akalumikidzidwa (kutsogolo ndi kumbuyo).**



**Dulani mbali zokwingwinyala kuti zikhale zolingana.**



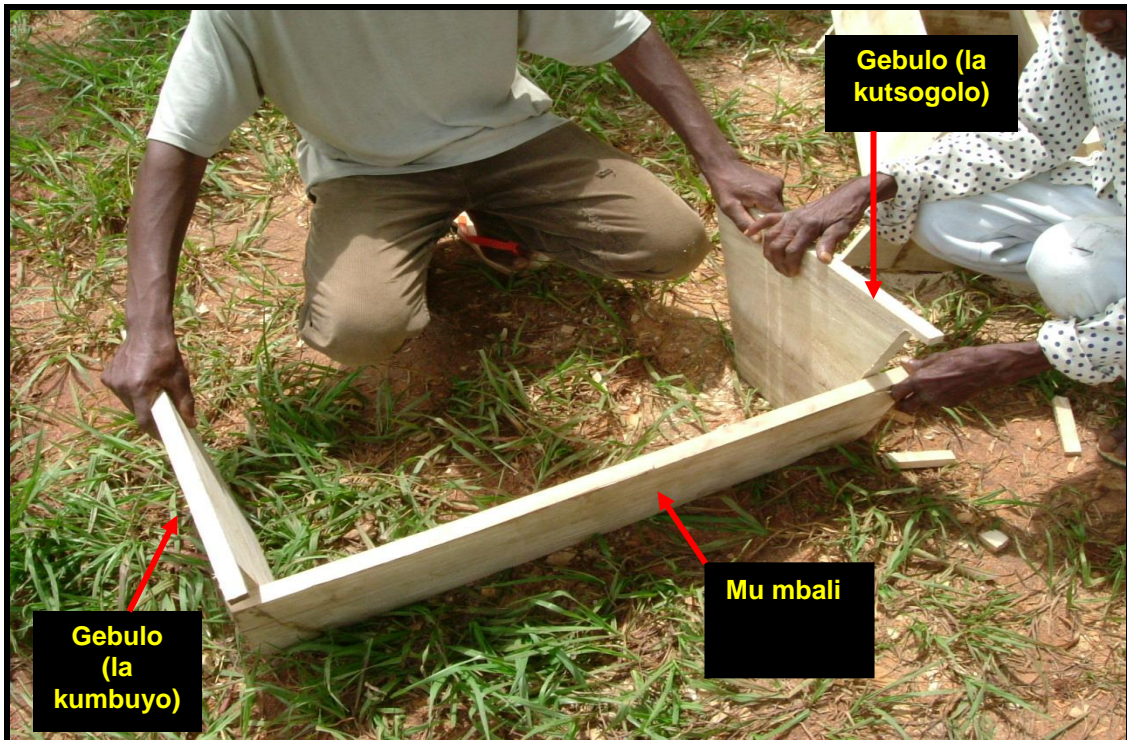
**Gwiritsani ntchito muyeso wabwino. Ichi chidapangidwa kuchokera ku katonii. Kuyedza kuyambira pakatikati kumathandiza kupeza ngodya zabwino.**



**Boolani kapena dulani ngati 'V' (lisakule kupyola kukula kwa cholemba) polowera mbali imodzi mulifupi. Popewa tizirombo tolowa mumng'oma musakulitse polowera (isapitirire 8mm m'mwamba).**



**Mng'oma ndi wosavuta kulumikiza zonse zikatha. Apa mng'oma ukulumikidzidwa ndi misomali. Kenaka yikani thabwa la pansi.**



**Kupanga mng'oma wathunthu.**



**Anthu ena amapanga ming'oma yotalika magebulo pang'ono kusiyanana ndi matabwa a mumbali kuti zigwirane bwino ndi timatabwa tapamwamba.**



**Chifukwa cha kotalika magebulo timatabwa tapamwamba mba tikukwanira bwino.**

**Anthu ena amayika timatabwa mumng'oma kuti tapamwamba tikwanire bwino mumbali.**



**Kathabwa**

**Timatabwa tapamwamba tikufanana ndi matabwa amumbali**

## 2. KUPANGA MNG'OMA KUCHOKERA KUZIPANGIZO ZOPEZEKA WAMBA.

**Sikofunika kupanga mng'oma kuchokera ku matabwa okwera mtengo.** Zipangizo zambiri zopezeka wamba zikhoza kugwiritsidwa ntchito mwa pamwamba zedi. Uwu ndi mtengo wa chiwale (kanjedza).



Mukhoza kupanga magebulo ndi zidutswa za matabwa, ndipo mumbali ndi pansi gwiritsani ntchito zipangizo zopezeka wamba. Mng'oma uwu wapangidwa ndi timitago towongoka bwino.

**Timitago towongoka bwino.**

**Gebulo lopangidwa ndi tizidutswa tamatabwa.**



**Mng'oma uwu wa timatabwa pamwamba wapangidwa mwaukatswiri popanda misomali kapena matabwa kuchokera kwa "Grande Ruche" wa ku Congo. Zipangizo zofewa zikumangidwa pamodzi ndi timitengo tosongola.**



**Kupewa tizirombo tolowa mumng'oma wa nsugwi mipata iyenere kutsekedwa.**



**Mng'oma uwu wa ku Uganda wapangidwa kuchokere ku mapesi. Ndiwomatidwa ndi dothi lotsakanidza, phulusa ndi ndowe.**



**Mng'oma uwu ndi wolimba wa ku Uganda walukidwa kuchokera ku nsugwi.**



**Pansi ndi mumbali mwa ming'omayi muyenera kumatidwa kuti mukhale mdima ndi keteteza nyerere ndi tizirombo tina kulowa mkati.**



**Sikoyenera kupanga denga ndi zipangizo zokwera mtengo, bola dengalo likuteteza mng'oma ku mvula. Dengali lakutidwa ndi pulasitiki.**



**Dengali lapangidwa ndi timatabwa ndi mphatsa. Pakati payalidwa pulasitiki, kuthandiza kuti madzi asalowe. Pamwamba pake pakutidwanso ndi pulastiki.**



**Dengali la foleredwa ngati nyumba za lokolo. Mumbali ndi lolimba kotero njoka ndi tizirombo tina sitingalowe, ndiponso ndilosavuta ponyamula.**



**Denga la mng'oma lingapangidwe ndi nsugwi zong'abidwa – monga denga la nyumba iyi ya lokolo ya ku Kenya.**



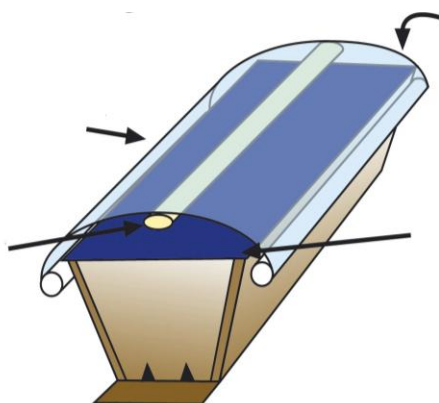
**Nsugwi za ng'ambidwa pakati ndiponso za yalidwa pamodzi motere –chimodzimodzi ngati lata. Kutirani nsugwi ndi pulasitiki powonjezera chitetezo.**



**Denga lophweka lingapangidwe kuchokera kupulastiki yayikulu ndi mitengo iwiri yomangiridwa mumbali mwa pulasitiki. Mitengo ikukokera pulastiki pansi.**

4. Vindikirani pamwamba ndi masamba a nthochi kapena masamba ena.

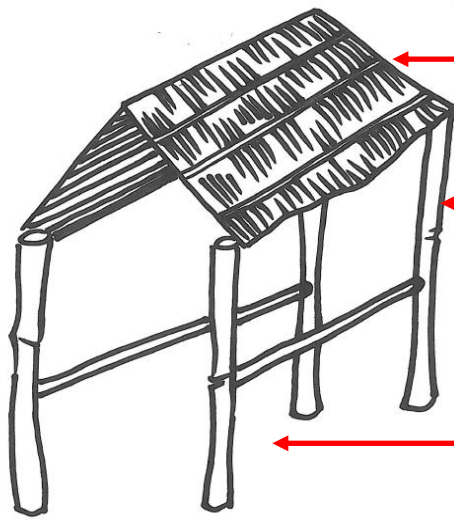
2. Nsugwi yothandizira pamwamba pa pulasitiki, kuti madzi adzingotaikira mumbali mwa denga.



3. Pulasitiki ndi mitengo yokokera pansi.

1. Pulasitiki ya vindikira pamwamba pa timatabwa.

**Kufolera kutha kuteteza ming'oma ya njuchi ku dzuwa ndi mvula ngati simungathe kupanga denga lokwanira bwinobwino.**



**Denga lofolera ndi ziwale pamwamba.**

**Sanamira ya nsugwi.**

**Mng'oma wa yikidwa pansi pa denga.**

**Mng'oma wopangidwa ndi timitengo wapachikidwa pa nthandala ya timitengo tomangiriridwa pamodzi komwe mawaya amagwira. Ichi chimathandiza kuti ming'oma isaonongeke. Ming'oma ikhoza kusunthidwa ponyamula kuchotsa pa nthandala, kupeputsa pogawa njuchi.**

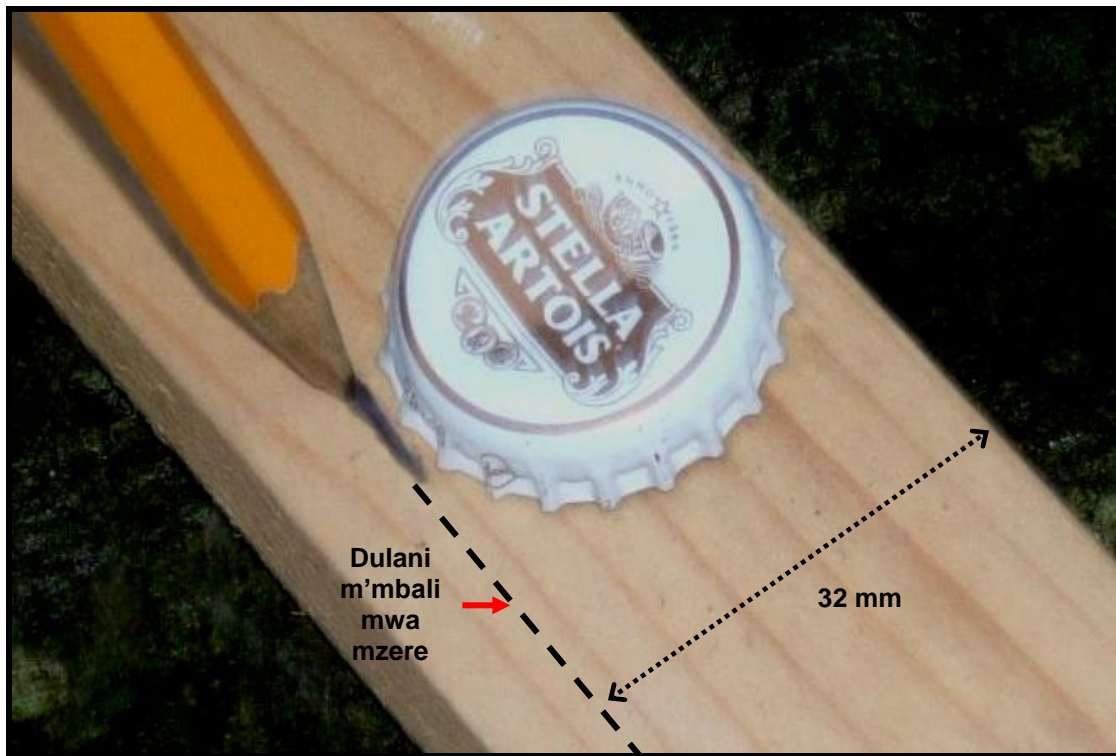


**Mawaya ayimitsa mng'oma.**

**Mitengo yamangidwa pamodzi kupanga nthandala.**

### 3. KUPANGA TIMATABWA TAPAMWAMBA

Mbali imodzi yovuta kwambiri ndi yokwera mtengo popanga mung'oma ndi kudula timatabwa tapamwamba. Nkofunikira kuti timatabwa tikhale 32 kapena 33 mm (3.2 kapena 3.3 cm) mulifupi. Gwiritsani ntchito chitsekerelo cha fanta poyedza timatabwa tamwamba mulifupi.



Timatabwa tambiri tili ndi mphako pakati. Ngakhale, anthu ambiri apambana kupanga timatabwa tapamwamba kuchokera kuzipangizo zopezeka wamba kusiyana ndi matabwa. Katabwa aka kapangidwa kuchokera ku chiwale kapena kanjedza.



**Katabwa kapamwamba aka kopanda mphako. Kadulidwa mosalala.**



**Timitengo, nsugwi kapena chinthu chilichonse chiyenera chidulidwe bwino.**



**Mzere ungapangidwe ndi kandulo wa sera la njuchi.**



**Wonani chithunzi ichi. Kambiranani ndi alimi anzanu. Timatabwa tapamwamba iti tapangidwa kuchokera ku nsugwi Kudzadza sera, imene ili nzeru yabwino kuyetsa. Ngakhale, mlimi adzapeza vuto kuti njuchi zimange chisa chimodzi ku kathabwa kamodzi chifukwa ndi tolakwika.**



**Kudula molakwika tapamwamba ndi chifukwa chachikulu chomwe chingabweretse mavuto pogwiritsa ntchito mng'oma wa timatabwa tapamwamba.**

**Ngati tapamwamba tadulidwa moyenera ndi khuthilidwa sera njuchi zidzamanga chisa chimodzi ku kapamwamba kamodzi. Ichi chizathandiza mlimi kukolola mosavuta ndi kusuntha zisa pakati pa ming'oma ndi kusamalira njuchi mwanjira imodzi ngati mng'oma wamatabwa.**

