

# REZULTADU PESKIZA LEHE (*Mucuna Pruriens*) (L.)DC.) IHA TO'OS NAIN SIRA-NIA TO'OS (OFDTs) Tinan 2014-2015

Salvador De Jesus



Seeds of Life  
Fini ba Moris

Australian Aid



## Abstratu

Lehe (*Mucuna Pruriens*) (L.)DC.) kategoria ba ai-horis fore (legume). Fatin balun iha Timor Leste konsumi hanesan ai-han wainhira iha tempu rai hamlaha, maibé nia prosesu tein ka da'an la hanesan ho fore sira seluk. Lehe tenke tisi to'o dala haat (4) ka dala lima (5) tanba moruk los. Iha Timor Leste ema barak mak hatene lehe ho naran lokál oioin hanesan Kemak ema bolu Gabe, Makasa'e ema bolu Gala, Idate (Laherek), Tokodede (Dibia) no seluk tan. Iha Honduras to'os na'in sira uza lehe hodi hadi'a rai nia bokur nomos hamate du'ut. Populasaun Timor Leste 85% moris hanesan agrikultór ho sistema halo to'os mak hanesan tesi no sunu rai. Liu husi sistema kuda lehe iha ita nia rai bele hamenus tempu serbisu to'os na'in sira-nian nomos hamenus erosau no aumenta rai nia bokur.

## Introdusaun

Lehe (*Mucuna Pruriens*) (L.)DC) nia abut bele hamosu (bakteria rhizobium) no hetan nitrojéniu husi anin, no nia tahan ho kain sei sai mulsa ka adubu matak ba ai-horis ne'ebé kuda hamutuk. Lehe tahan bele mos fó han ba animal hanesan bibi, karau no kuda, no nia musan bele tein sai ai-han ba ema. N. Sanginga, et al. (2000).

## Objetivu

- Atu buka hatene kona-ba impaktu husi kuda lehe hodi hamenus du'ut nia moris ka hamate du'ut.
- Atu buka hatene impaktu lehe ba aumenta rai nia bokur no mos hadi'a rai nia testura no estrutura no mos prevene erosau, aumenta infiltrasaun bee iha rai laran.

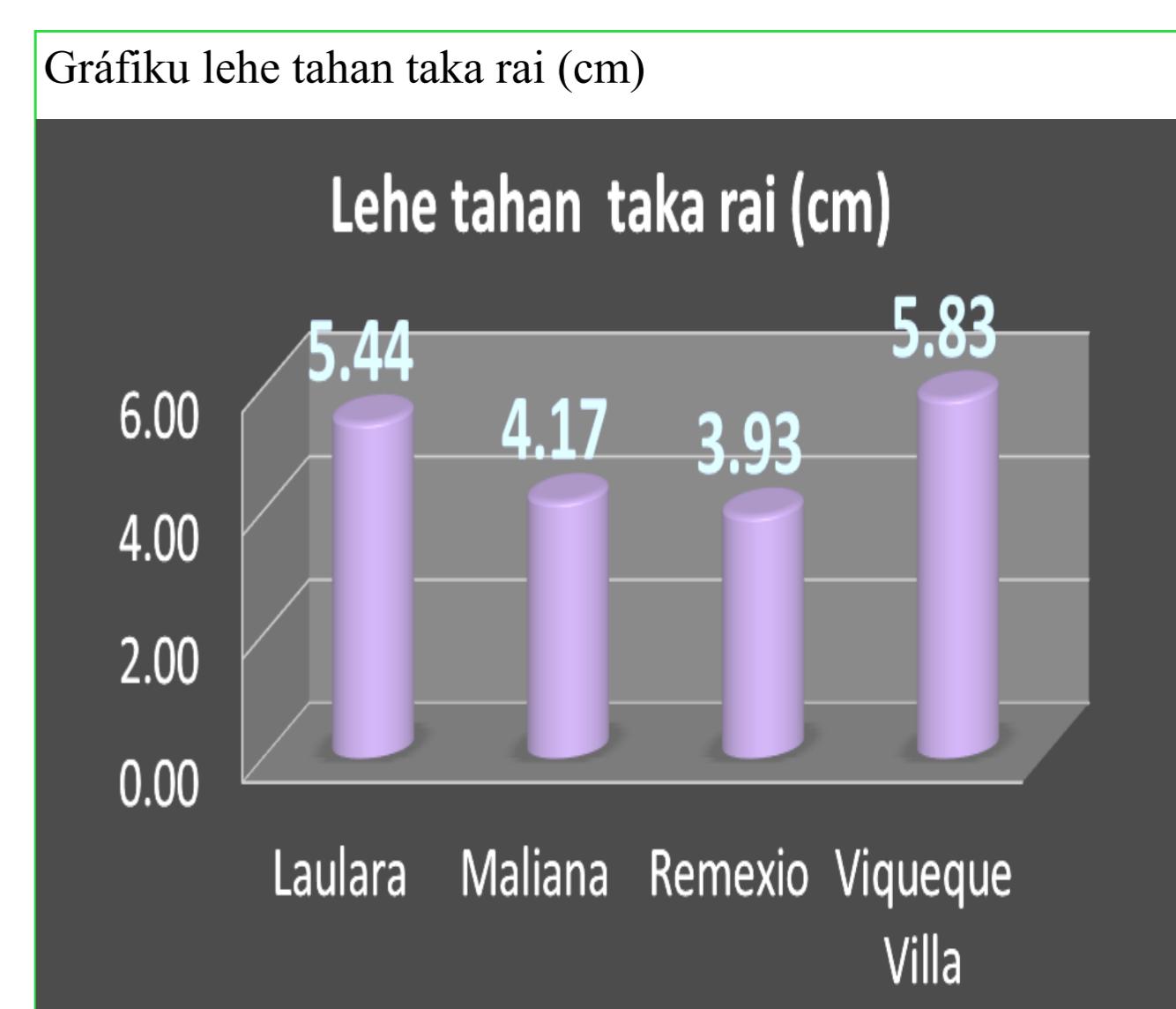
## Metodolojia Peskiza

1. Hasoru diretamete to'os na'in sira iha to'os ka uma.
2. Esplika objetivu husi programa.
3. Sukat kantaderu/demplot ho nia luan  $5m \times 5m = 25m^2$  kada variedade
4. Entrega fini lehe ba to'os na'in sira.
5. Foti sampel rai ho métodu randomize/acak hodi koko rai nia pH no testura, inklui GPS.
6. Marka fatin OFDTs ho GPS liu husi ODK.
7. Observasaun lehe hamutuk ho to'os na'in sira durante moris to'o kolleita.
8. Kolleita hamutuk no tetu rezultadu produsaun hamutuk.
9. Analiza dadus uza ANOVA (Unbalanced Model).

## Estabelese Kantaderu/Demplot OFDTs



Postu. Adm	Lehe tahan taka rai (cm)
Laulara	5.44
Maliana	4.17
Remexio	3.93
Viueque Villa	5.83



## Istória To'os Na'in

- Iha fatin balun to'os na'in sira laiha ona fini lehe atu kuda maibé sira konsege hetan filafali husi peskizadór sira no sira kuaze kontente tebes.
- To'os na'in iha Postu Administrativu Laulara mos hetan informasaun kona-ba conservasaun rai liu husi kuda lehe ne'ebé simu husi ONG Halarae (agora daudaun sei hala'o hela atividade hamutuk ho to'os na'in sira).
- To'os na'in barak mak hatene kona-ba tein lehe liu husi da'an no tisi nia musan hodi bele han ka konsumi iha uma laran.



## Konkluzau

- Lehe nu'udár ai-horis leguminosa ne'ebé bele uza hodi hamenus du'ut, hadi'a rai nia bokur, hamenus loron serbisu, aumenta infiltrasaun bee iha rai laran no seluk tan.
- Lehe mos bele da'an no hoban ka tisi hodi konsumu iha umakain (liuli iha área rurais)

## Rekomendasaun

- Bainhira kuda lehe iha ita nia to'os lalika sunu rai maibé lere ka tesi depois husik taka rai
- Presiza fó informasaun kontinua ba ita nia to'os na'in sira atu kuda lehe iha sira-nia to'os.

## Referénsia

- Buckles D., Trimophe B., and Sain G. *Cover crops in hillside agriculture farmer innovation with Mucuna*.
- Triomphe, B. 1996. *Seasonal nitrogen dynamics and long-term changes in soil properties under the Mucuna/maize cropping system on the hillsides of northern Honduras*.
- Tan, NH; Fung, SY; Sim, SM; Marinello, E; Guerranti, R; Aguiyi, JC (2009). "The protective effect of *Mucuna pruriens* seeds against snake venom poisoning!" *Journal of ethnopharmacology*.