

PENGAJIAN TEKNOLOGI BUDIDAYA,
PENANGANAN PASCAPANEN, PENYIMPANAN
BENIH SERTA STRATEGI PEMASARAN JAGUNG
UNTUK PENINGKATAN PENDAPATAN PETANI



PENELITI UTAMA

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SUMMARY

1. Title : The assessment of the technology of seed storage, cultivation, post-harvest and trading strategy of maize for the increment of farmers' income.
2. Implementing Unit : NTT AIAT
3. Location : 9 villages in 3 District in West Timor of East Nusa Tenggara Province
4. Objectives :
 - To assess maize-culture technologies that productive with low inputs.
 - To analyse post-harvest technologies that can reduce the aflatoxin contain in maize seed
 - To examine the effectiveness seed storage technology that can reduce maize seed damage and maintain seed germination above 90% during 9 month storage period
 - To evaluate an existing maize trading that could increase farmer's benefit.
5. Description of Project : Generally, the substantial problem for subsistent farmers and maize farming system in dry-land region is an availability of high quality seed in planting season
The quality of maize seed can cause low density and plant performance in the field and in turn can cause maize low yield. On the other hand, subsistent farmers in NTT have no cash to buy maize seed every year. Improving maize storage technology that has characteristic of low cost, simple and able to maintain maize seed quality during 9 month storage period is really important for subsistent farmers to increase maize production and yield.
6. Methodology : Maize seed germination evaluation will use Nested Design Method with 6 replications,
Some components of maize cultivation technology will be examined using Split Plot Design Method with 6 replications,
Maize post-harvest assessment will use Split Plot Design Method with 6 replications
Maize trading evaluation wil be run using Descriptif Method in 2 villages in each the three Districts in West Timor of East Nudsa Tenggara Province
7. Expected output of the year : Stage 1: to discover an effective maize storage technique that can maintain maize and mung-bean seed germination more than 90% after 9 months stored.
Stage 2: high vigour and performance of maize and mung-bean seeds on the field
8. Duration : 1 years (2015)
9. Proposed Budget : Rp. 140.000.000,-
(One hundred and forty million rupiah)

