TROPICAL PLANT CURRICULUM PROJECT

Supporting Universities to Partner Across the Pacific
U.S. Agency for International Development

Sam Ratulangi-University-Manado
Udayana -University-Denpasar
Bogor Agricultural University- Bogor
Texas A&M University

Presented at
Advisory Working Group (AWG) Workshop
Pemerintah Indonesia – Amerika; Program Kerjasama USAID Bidang Pendidikan
“Strengthening Comprehensive Partnership”
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TROPICAL PLANT CURRICULUM PROJECT

TROPICAL PLANT CURRICULUM (TPC) PROJECT

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• Official starting date: May 2011
• End November 2013
TROPICAL PLANT CURRICULUM PROJECT

TROPICAL PLANT CURRICULUM (TPC) PROJECT

MAIN ACTIVITIES;

- Curriculum: Enrichment of Courses
- Researchs
- Extensions
- Commercializations

Objective & Expected Outcomes

To strengthen cooperation between Indonesian universities and TAMUS faculty to establish university curricula in environmental sciences, especially related to biodiversity, that are strong in science and having demonstrable practical application for economic benefit, food security, and environmental conservation:
Objective & Expected Outcomes

Expected Outcomes??

- Courses developed and/or syllabi shared among Institut Pertanian Bogor, Universitas Udayana, and Universitas Sam Ratulangi by year 3 in the following areas: tropical forest plants, economics of biodiversity and food security, regulation of forests and rights to plant genetics, analysis of plant compounds for health, plant geography in Indonesia, and processing and marketing tropical plant products; and

- At least one hundred (100) students per university enrolled in a biodiversity course at Institut Pertanian Bogor, Universitas Udayana, and Universitas Sam Ratulangi by year 3 (for a total of at least three hundred (300) students).

Daun salam
(Eugenia polyantha Wight)
**TROPICAL PLANT CURRICULUM PROJECT**

### Objective & Expected Outcomes

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#### Objective & Expected Outcomes

To establish university-led community education programs that lead to a broad popular understanding of the need and ways to conserve natural resources as a path to assuring the health and welfare of future generations of Indonesians and fellow humanity.

- **Expected Outcomes**
  - Fifteen hundred (1,500) community members trained in biodiversity by the end of year 3 (about five hundred (500) each through Institut Pertanian Bogor, Universitas Udayana and Universitas Sam Ratulangi)

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*Gedi (Abelmoschus manihot L)*
**TROPICAL PLANT CURRICULUM PROJECT**

**Objective & Expected Outcomes**

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**Objective & Expected Outcomes**

To increase jobs, incomes, productivity and product quality in enterprises based upon underutilized and little known plants, while conserving and protecting biodiversity.

**Katuk (Sauropus androgynus)**

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**TROPICAL PLANT CURRICULUM PROJECT**

**Objective & Expected Outcomes**

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**Expected Outcomes??**

- Fifteen (15) such entrepreneurs will operate by the end of year 3 (about five (5) in the regions of Institut Pertanian Bogor, Universitas Udayana, and Universitas Sam Ratulangi, respectively).

**Takokak (local name)/Turkey berry**

(Solanum torvum Sw)
**TROPICAL PLANT CURRICULUM PROJECT**

**SUSTAINABILITY?**

Curriculum: Focus on course enrichment
- Identification and development of existing curriculum and course content at each university, associated with tropical plant (underutilized plants)
- Development of shared course/topics, and
- All modules will be uploaded to Distance Education (SEAFAST: [http://de.seafast.ipb.ac.id/login.html](http://de.seafast.ipb.ac.id/login.html))

Community extension
- Involving Vocational High School for Agriculture

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Terima kasih

*Thank you*