



**Research Cooperation between
Asia and Europe:
*Gadjah Mada University's Experience***

Prof. Dr. Sudjarwadi
Rector of Universitas Gadjah Mada

Dr. Rachmat Sriwijaya
Head of International Office Affairs UGM

Outline

- ❑ **To find common interest in research cooperation.**
- ❑ **Initiation for concrete cooperation (start small).**
- ❑ **Two examples (toward breakthrough and synthesizing available knowledge in campus, for community).**

To find common interest

Every partner will get benefit (**B**) → mutual benefit

B (promotion, financial, facilities, technology, HR, regulations, new knowledge,, new opportunities, links, .. ,and others).

Based on the respective individual condition of institution, one can find out partner to maximize the benefit.

Based on that frame of thought written above, than common interest can be derived through deep understanding on constraints available, related to potential and unique mission.

How to do the necessary action?

❑ To find out information on research centers and/or research groups and/or contact persons and/or a reputable person.

❑ Facilitating discussion for making concrete joint proposal → to be submitted to university and/or government and/or industry and/or donor agencies, and/or others,..., as appropriate (based on correct understanding on format and prospect).

Research in two formats

(one example for each format)

- ❑ Break through research.
- ❑ Synthesis of available knowledge in campus to arrange better management of resources in community.

Example 1

INDONESIA-NETHERLANDS HIGHER EDUCATION PARTNERSHIP (INHEP)

The initiatives of the formation of INHEP is to strengthen the cooperation between universities of Indonesia and the Netherlands (U to U) by conducting academic activities in higher education in four main areas, namely:

- Academic exchange,
- Joint Research,
- Establishment of Twinning program,
- Institutional development.

Universitas Gadjah Mada (UGM) and Rijksuniversiteit Groningen (RuG) become the focal point for the research cooperation

Plan of Operation:

- Partners will hold biannual meetings in Indonesia and the Netherlands respectively to discuss organizational issues and a broad range of issues in higher education.
- Partners will establish a Steering Committee (SC).

The Netherlands side: RuG and the other 9 Dutch research universities.

Indonesian sides: UGM and the other 9 Indonesian universities.

Design of Funding Scheme

Connection to existing programs, such as:

❑ **Indonesian side: Ministry of National Education of Indonesia, RISTEK, LIPI, BAPPENAS, and Indonesian universities.**

❑ **The Netherlands side: Ministry of Education, Culture, Sciences of the Netherlands, Ministry of Economics, KNAW, DGIS, NUFFIC, STUNED, and Dutch Universities.**

Working Design

- ❑ **From Indonesian side** the SC invites the research groups within the participating universities, consisting of senior, and young researchers, to choose concrete research topic from the themes mentioned before and to decide on the focus of their research → then suggest partners from Dutch universities to join in.

The SC draws up a list of the topics and helps to facilitate for building joint research groups.

- ❑ **From the Dutch side** emphasize is put on long term commitment and building up of not only human resources but also research capacity within Indonesian institution, resulting in several programs: for example: joint master & doctoral program, and joint publication.

Example 2

Research on waste refinery

- Many markets in Indonesia
- A single market throws waste ≥ 10 ton/day
- Waste as negative economic value
- Change the waste to positive economic value

Cooperation on waste refinery research

Four parties

- Universitas Gadjah Mada (Indonesia)
- Boras University (Sweden)
- A town in Sweden
- One regency in Sleman (Indonesia)

Enhancement

- In progress to wire (network) that cover 17 universities in Indonesia and their surrounding markets.

Research result can be used for the base of student community service (SCS) → university should do research based education and research based community service.

International SCS can create opportunities for young generation to gain wider experience to develop creative thinking to identity and solve world problems.

→ *(prosperity, security, equity, welfare)*

→ *(mutual understanding, peaceful world)*

International Student Community Service (SCS) as a media for applying research outcomes

- ❑ The SCS is an intra-curriculum activity collaborating the University's three basic principals (Tri Dharma) which is based on: Education, Research, and Community service.**
- ❑ The main focus is empowering the community.**
- ❑ Through the program, awareness is gained in purpose of using knowledge to better manage local resources.**

Implementation of International Student Community Service (SCS)

The SCS implementation will improve:

- Empathy → humanity
- Awareness on local community needs
- Multi-discipline cooperation
- Personal development
- Contribution to region/national goal/
global networking → spirit to encourage
learning community/society.

International SCS Program

UGM has created an International Student Community Service (SCS) Program to build knowledge-based society, at surrounding region and further enhance nation wide.

The Institute for Research and Community Services (LPPM) as the organizing body of the International SCS Program seeks an international-implementation model for the program, as well as increases the number of students from abroad that participate in the program.

One of the examples of the SCS theme

The community empowerment on Water Exploration With Renewable Energy in Giricahyo Village, Indonesia.

Several documents are showed below.

Photos:

Collaboration between Indonesian and Norwegian student in Community Service



Site visit



Photos:

**Norwegian Students
are watching water
pump installation.**



**Entering Water-pump
into Plawan Cave**



Photo:

Installing pipeline



Photo:

**Evaluation meeting
on the program in
local resident**



Photos:

**International SCS
Program Conducted
by Hanseo University
(Korea) Students**



**Orientation by the Vice
Rector for Education,
Research and
Community Service,
UGM.**



A sample of a file (photos) of Research Activities

Photos:

Research activity by UGM's students and European university student



Research activity by UGM's professors and European university professor



Universitas Gadjah Mada in 2007 stated chosen focus in responding the need of future Indonesia (Industry, government, community)

- ☐ Health → Cancer studies**
- ☐ Engineering and Science → Smart material**
- ☐ Agriculture → Food safety and security**
- ☐ Art and Humanity, Economic and Sociology → Social welfare**

Some Research Centers in Universitas Gadjah Mada

1. Asia Pacific Studies

www.psap.ugm.com

2. Disaster Studies

www.psba.ugm.ac.id

3. Economic and Public Policy Studies

www.paue.ugm.ac.id

4. Clinical Pharmacology and Drug Policy Studies

www.farklin.com

5. German Studies

www.pusman.ugm.ac.id

Some Research Centers in Universitas Gadjah Mada

6. Safety and Peace Studies

www.csps-ugm.or.id

7. Population and Policy Studies

www.cpps.or.id

8. Environment Studies

www.pplh.com

9. Regional Development Planning Studies

www.pspk-ugm.or.id

10. Rural and Regional Development

www.psppr-ugm.net

11. Transportation and Logistic Studies

www.pustral-ugm.org

Thank You

Visit us at www.ugm.ac.id

Contact person: Dr. Rachmat Sriwijaya

E-mail: head-oia@ugm.ac.id