

W O R K S H O P O N

WASTE REFINERY



AND
LAUNCHING OF WASTE REFINERY INDONESIA NETWORK

Yogyakarta
February 18-19, 2009

CONDUCTED BY:



Gadjah Mada University

IN COLLABORATION WITH:



HÖGSKOLAN I BORÅS
VETENSKAP FÖR PROFESSION

UNIVERSITY OF BORÅS
SWEDEN



BORÅS
STAD

MUNICIPALITY OF BORÅS
SWEDEN



REGENCY OF SLEMAN
YOGYAKARTA SPECIAL PROVINCE

SUPPORTED BY:



SWEDISH EMBASSY
FOR THE REPUBLIC OF INDONESIA



RATIONALE

The increase of population and change of lifestyle lead to the increase in complexity of waste management. The involvement and participation of all stakeholders (society, education institution, government, industries, private sectors, etc) are absolutely required to develop an effective and efficient system for managing waste. Moreover, waste should be considered as an invaluable resource for various products for environmental protection and conservation which is in line with the concept of sustainable development.

In many developed countries, waste has been an important resource having a high economic value. Synergy and integration among government regulation, people awareness, application of science and technology, is one of the key success for that. Their experience, knowledge, and applied & developed systems may be used as a basis for developing models of waste management in other parts of the world, especially Indonesia.

For the above reason, Indonesia has been initiating a collaborative work with Sweden in the field of waste management and waste utilization/resource recovery known as *Waste Refinery*.

The collaboration has been in place since three years ago with the involvement of two education institutions (Gadjah Mada University, Indonesia and University of Borås, Sweden) and two local governments (Sleman Regency, Yogyakarta Special Province, Indonesia and Borås Municipality, Sweden). This collaboration covers various activities, including education, social awareness, research, and demonstration plant. This collaboration is expected to be expanded to the whole regions in Indonesia through a Waste Refinery Indonesia Network. Through this network, representatives of universities, local governments, NGOs, industries and other stakeholders from different regions can exchange experience, knowledge & perspectives and empower community related to waste management issue and propose a proper solution for respective regions. This network is also considered to be a very important media for dissemination and implementation of Indonesian Regulation on solid waste management (No 18, 2008) which has to be implemented in all regions by 2015.

AIM

This workshop provides a media for representatives of different regions to exchange experience on environmental and waste management and development of master plan of waste management in respective regions. Sweden experience, knowledge, and current environmental management system may be used as a model that can be shared during the workshop and may further be considered to be applied and adapted for the local condition.



EXPECTED OUTCOME

Following the workshop, it is expected that draft on environmental and waste management for some regions, which is in line with the concept of Regulation No 18, 2008, are developed. Additionally, the Waste Refinery Indonesia (WRI) Network is formally in place. At the local/region level, there are Waste Refinery Regions (eg. Waste Refinery Bandung, Waste Refinery Papua, Waste Refinery West Kalimantan, etc) for the WRI to work more efficiently.

PARTICIPANTS

- Representatives of related ministries (Ministry of Foreign Affairs, Ministry of Home Affairs, Ministry of National Education/Directorate General of Higher Education, Ministry of Environment, Ministry of Energy and Mineral Resources)
- Representatives of Local Governments
- Representatives of universities and research institutes
- Non Government Organizations
- Private institutions
- Industries

The workshop is attended by Swedish team representing University of Borås, Borås Municipality, Ministry of Trade and Foreign Affairs, SP research institute, Borås Energy and Environment, and The Embassy of Sweden for the Republic of Indonesia.



PROGRAMME

Day 1

- Opening Speeches by the Rector of Gadjah Mada University and the Ambassador of Sweden for the Republic of Indonesia
- Dissemination of Indonesian Regulation No 18, 2008 by representative of Indonesian Ministry of Environment
- Environmental Review: Sweden experience by Director of Swedish SP Research Institute
- Launching of The Waste Refinery Indonesia Network
- Sharing of experience on environment and waste management by representatives of some Indonesian regions (Sleman Regency, West Kalimantan, Bali, Jakarta, etc)
- Exhibition
 - Environmental management in Sweden
 - About Sweden

Day 2:

- Presentation and discussion on master plan of environmental management in some selected regions and plan for the implementation
- Laboratory demonstration on biogas production from municipal solid waste
- Field tour to waste management of UGM campus, Sleman Regency, and Yogyakarta Province.
- Exhibition
 - Environmental management in Sweden
 - About Sweden

ORGANIZING COMMITTEE

This workshop is organized by Gadjah Mada University in collaboration with Sleman Regency supported by University of Borås, Municipality of Borås, and the Embassy of Sweden for the Republic of Indonesia.

For further information, one may contact the following:

waste_refinery@chemeng.ugm.ac.id

Siti Syamsiah (UGM) +62 818 270 705, ssyamsiah@chemeng.ugm.ac.id

Sarto (UGM) +62 812 275 1709, sarto@chemeng.ugm.ac.id

Heru Saptono (Sleman Board of Planning) +62 815 7999543, r_sapto@yahoo.com

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