

2-8 Seminar

“Expert Talk on Building a Sound Material Cycle Society in Malaysia”

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1. Outline of the seminar

The seminar which title is “Expert Talk on Building a Sound Material Cycle Society in Malaysia” is going to be held in Bilik Anggerik building in University of Malaya, Kuala Lumpur March 29, 2013.

In Malaysia once solid waste was managed by local authority, but from several years ago, the solid waste in whole Malaysia became to be managed by National Solid Waste Management Department (NSWMD) (JPSPN in Malay language). Practical management transaction is performed by PPSPPA, for example, the organization contracts private company on cleansing business for each of three divisions in Malaysia. Since the central government can control solid waste management everywhere in Malaysia, new policy of solid waste management is distributed to whole Malaysia easily.

Now, Malaysia is promoting 3R for waste reduction. Waste buy back system is the system that the government buys recyclable waste from a citizen and pay money for the citizen. In the new city, Putrajaya, where government offices locate is there, we visited such buy back recycling centers and watched many citizens brought the recyclable waste to the facility for sell. In the area without any buy back center, school functions as the center. A certain bank company participates in this system in payment of sales proceeds to citizen. If the citizen has an account with the bank, the money is paid to the account. Indonesia has similar waste buying system but it is all controlled by not government but community. Besides that, methane gas collection facility on landfill site has been already constructed and operated, and introducing incinerator is now considered. In this situation, director general, Dr. Dato’ Nadzuri presents current solid waste management and future perspective of solid waste management in Malaysia.

As the next speaker, Dr. Fujiwara of Okayama University gives a presentation of Japanese 3R history and also introduction of research progress in solid waste management toward low carbon society. Iskandar area, which is located at the north edge of Malaysian peninsular, is the biggest development project of new industrial and living area in Malaysia. It is expected that population in 2030 year will increase up to 3 million people. Green city concept is emphasized in planning of Iskandar area, which consists low carbon society, preservation of the eco-system in large wet land in symbiotic society, and waste reduction and recycling in sound material-cycle society. Objective of our research is to consider a solid waste management with low carbon emission. The research result is presented in the seminar.

As the third speaker, Mr Yamada, the director general of Environmental Bureau of Okayama city, gives presentation on solid waste incineration technology. Mr. Yamada has experience to be director of the Konan Cleansing Center with municipal solid waste incinerator, therefore, he will suggest important points when incinerator is introduced.

The final presenter is Dr. Agamuthu, professor, University of Malaya. He presents about necessity of Center of Excellence (COE) in Asian and Pacific Area, and current status of promotion to World Bank. In terms of solid waste management, staking and exchanging information and consultation with and dispatch of experts are necessary but accessing them is sometimes difficult. COE should become a hub of information and human resources among Asian and Pacific countries.

2. Program

9:15 – 9:30 Registration

9:30 – 9:35 Opening address by Moderator (Prof. Agamuthu, *University Malaya*)

9:35 – 9:40 Welcome speech by Japanese side (Prof. Fujiwara, *Okayama University*)

9:40 – 12:20 Expert talk

9:40 – 10:10 **“Solid Waste Management in Malaysia – Current practice and 10 years to come”**

Y.Bhg. Dato’ Dr. Nadzri bin Yahaya, *Director General of Solid Waste Management Department*

10:10 – 10:40 **“Japanese history on 3R and study on Low-carbon city Iskandar Malaysia”**

Prof. Takeshi Fujiwara, *Deputy Director of Waste Management Research Centre, Okayama University*

10:40 – 11:10 **“Incineration practice in Okayama city, Japan”**

Mr. Koichi Yamada, *Executive Manager of Environmental Bureau, Okayama City*

11:10 – 11:40 **“Establishment of Center of Excellence (CoE) in Asian countries”**

Prof. Agamuthu A/L Pariatamby, *Professor of Institute of Biological Sciences, University of Malaya*

11:40 – 12:20 Discussion session

12:20 – 12:30 Closing address (Y.Bhg. Dato’ Dr. Nadzri bin Yahaya, *Director General of Solid Waste Management Department*)