The 2011 Asian Bio-Hydrogen and Biorefinery Symposium
(2011ABBS)

BOGOR, REPUBLIC OF INDONESIA
13–15 OCTOBER 2011

ORGANIZED BY

THE INDONESIAN INSTITUTE OF SCIENCES (LIPI)
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WEBSITE; www.lipi.go.id

ASIAN BIOHYDROGEN ASSOCIATION

ASEAN-NET
ASEAN NETWORKING FOR BIOPROCESS AND BIOREFINERY TECHNOLOGY
INVITATION

The challenges and solutions to development of technology for sustainable energy is a major issue that bridges the academic endeavors of the scientific community to the real problems of the global community. In this regards, bio-hydrogen stands as a remarkably useful energy carrier source for alleviating the pressures of limited resources as well as promoting the use of environmentally friendly energy. Produced from renewable resources such as water and organic wastes by biological means, biohydrogen represents a hopeful solution to some of the everyday problems that people face in terms of energy needs, not only in Asia, but also all around the world.

Currently, we are involving in organizing The 2011 Asian Bio-Hydrogen and Biorefinery Symposium (2011ABBS), which will be held during Oct. 13-15, 2011 in Bogor, Indonesia, with a theme of “Advanced Biohydrogen and Biorefinery Technology”. This is a specially designed conference, which covers a wide range of critically important themes from advanced biohydrogen and biorefinery technologies. It aims to become one of the region’s largest events of 2011 in the field of advanced biohydrogen and biorefinery technology, which provides a great opportunity to share in what has happened, be part of what is happening and influence the future direction in one of the fastest growing industry sectors and make new friends.

Follow the successful path of the 2010 symposium held in Taichung, Taiwan, and 2010 Asean-Korea symposium and workshop held in Jakarta, Indonesia, the participants brought in a large number of papers covering a wide range of topics on the subject of “Biohydrogen as a sustainable energy source” and “Green Bioprocess and Biorefinery Technology”; we are proud to announce 2011ABBS.

The symposium was organized by Indonesian Institute of Sciences (Lembaga Ilmu Pengetahuan Indonesia, LIPI), “Asia Bio-HyLinks” (an Asia-based bio-hydrogen association) and “ASEAN NBT (ASEAN-Networking for Bioprocess and Biorefinery Technology). The aims of this symposium were to facilitate the communication and exchange of ideas, evaluate current progress on early-stage findings and inform and identify promising research and development directions in the field of biohydrogen and biorefinery in Asian countries.

High quality papers will be selected and published in special issue of the International Journal of Hydrogen Energy. The 2011ABBS will be an excellent opportunity for having constructive discussions and for participants to develop fruitful cooperation amongst themselves.

TOPICS

On behalf of the organizing symposium, I am pleased to welcome you to join us and give a paper in these topics include

• Biomass to hydrogen and biochemicals
• Molecular biology approaches
• Biohydrogen by dark/photo fermentation
• Bioreactor design
• Biohydrogen applications
• Biorefineries and its applications
## Tentative Programme of the Symposium

<table>
<thead>
<tr>
<th>Dates</th>
<th>Activities</th>
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<tbody>
<tr>
<td>Oct. 13 (Thursday)</td>
<td>Registration&lt;br&gt;ABHL Meeting (closed door) at night</td>
</tr>
<tr>
<td>Oct. 14 (Friday)</td>
<td>Conference Meeting</td>
</tr>
<tr>
<td>Oct. 15 (Saturday)</td>
<td>Technical tour</td>
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</tbody>
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## Important Date of the Symposium

<table>
<thead>
<tr>
<th>Dates</th>
<th>Activities</th>
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<tbody>
<tr>
<td>May 30 (August 15)</td>
<td>Call for papers&lt;br&gt;(Indonesian participants)</td>
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<tr>
<td>June 15 (27 July)</td>
<td>First announcement&lt;br&gt;(Indonesian participants)</td>
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<tr>
<td>July 15 (August 30)</td>
<td>Abstract due&lt;br&gt;(Indonesian participants)</td>
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<tr>
<td>July 31 (5 September)</td>
<td>Abstract accept notification&lt;br&gt;(Indonesian participants)</td>
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<tr>
<td>September 15 (30 September)</td>
<td>Full paper due&lt;br&gt;(Indonesian participants)</td>
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<tr>
<td>October 1</td>
<td>Final announcement</td>
</tr>
<tr>
<td>October 13-15</td>
<td>Conference dates</td>
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## Registration Fee

<table>
<thead>
<tr>
<th>Participants</th>
<th>Payment</th>
<th>Note</th>
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<tbody>
<tr>
<td>Domestic Expertise:</td>
<td>Rp. 400.000</td>
<td>(Including conference lunch + snack*2)</td>
</tr>
<tr>
<td>Students:</td>
<td>Rp. 250.000</td>
<td>(Including conference lunch + snack*2)</td>
</tr>
<tr>
<td>International</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expertise: (Package)</td>
<td>USD 450</td>
<td>Registration (200) + 3 nights hotel (Hotel Santika)+ tour (including Reception + Conference dinner<em>2 and lunch</em>2 + Snack*2)</td>
</tr>
<tr>
<td>Students: (Package)</td>
<td>USD 250</td>
<td>Registration (100) + 3 nights hotel (Hotel Santika, by two person share one room) + tour (including Reception + Conference dinner<em>2 and lunch</em>2 + Snack*2)</td>
</tr>
<tr>
<td>Expertise Registration</td>
<td>USD 200</td>
<td>Including reception + conference dinner<em>2 and lunch</em>2 + snack*2</td>
</tr>
<tr>
<td>Students Registration</td>
<td>USD 100</td>
<td>Including reception + conference dinner<em>2 and lunch</em>2 + snack*2</td>
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<tr>
<td>Tour fee</td>
<td>USD 25</td>
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Another accommodation option hotel: Permata Hotel (Rp. 440,000/ night /room)
ABOUT THE ORGANIZERS

1. INDONESIAN INSTITUTE OF SCIENCES (LIPI)

Scientific activities in Indonesia started in the 16th century by Jacob Bontius, who studied the flora of Indonesia and known for his work titled Rompius with Herbarium Amboinese. At the end of the 18th century was formed Bataviaasch Genootschap van Wetenschappen. In 1817, C.G.L. Reinwardt founded the Botanical Gardens of Indonesia (S'land Plantentuin) in Bogor. In 1928 the Dutch East Indies government established Natuurrwetenschappelijk Raad voor Nederlandsch Indie. Then in 1948 was turned into Organisatie voor onderzoek Natuurwetenschappelijk (Organization to Investigate the Nature of Science, known as OPIPA). The agency is carrying out its duties until 1956.

In 1956, through Law no. 6 of 1956 the Indonesian government established Science Council of Indonesia (MIPI) with the basic tasks:
2. Giving consideration to the government in terms of science policy.

Then in 1962 the government established the National Research Affairs Department (DURENAS) and put the MIPI in it with an additional task: to build and nurture some of the National Research Institute. And in 1966 the government changed the status of DURENAS into the National Research Institute (LEMRENAS).

In August 1967 the government dissolved LEMRENAS and MIPI with Presidential Decree no. 128 in 1967, then based on the MPRS Decree no. 18/B/1967 government established Indonesian Institute of Sciences (LIPI) and accommodate all the tasks LEMRENAS and MIPI, with the basic tasks as follows:

- Guide the development of science and technology that is rooted in Indonesia to be utilized for the welfare of the people of Indonesia in particular and mankind in general.
- Seeking scientific truth which the scientific freedom, freedom of research as well as recognized and guaranteed freedom of the pulpit, to the extent not contrary to Pancasila and the 1945 Constitution.
- Preparing for the establishment of Indonesian Academy of Sciences (since 1991 the main task is then handled by the State Minister for Research and Technology with the Presidential Decree no. 179 in 1991).

In line with the development of national capabilities in science and technology, organization of scientific institutions in Indonesia has also experienced growth and development. Therefore it is necessary to conduct a review and adjustment of the basic tasks and functions and organizational structure LIPI accordance with the stage and direction of development of science and technology, the Presidential Decree no. 128 years of 1967, dated August 23, 1967 as amended by Presidential Decree no. 43, 1985, and in order to improve further, dated January 13, 1986 established the Presidential Decree no. 1 year 1986 on the Indonesian Institute of Sciences, and recently by presidential decree no. 103 in 2001.
Vision:

Being a world-class scientific institution that promote the establishment of a just nation's life, intelligent, creative, and dynamic integrative supported by science and technology that humanist.

Mission:

1. Creating great science (science has a significant impact) and the invention that can encourage innovation in order for alleviated economic competitiveness;
2. Encouraging increased use of knowledge in the process of creating good governance in order to establish NKRI;
3. Participate in process of enlightenment and cultural life of society based on scientific principles and rules of scientific ethics;
4. Strengthening the role of Indonesia (who supported science) in the international association;
5. Strengthening institutional infrastructure (strengthening management and systems).

Duty:

Carry out administration tasks in the fields of science in accordance with the provisions of the legislation in force.

Functions:

1. Assessment and formulation of national policies in the field of scientific research.
2. Implementation of fundamental scientific research.
3. Implementation of inter and multi-disciplinary research focused.
5. Coordinate activities in the performance of duties LIPI.
6. Service and guidance to government institutions in the field of science.
7. To provide guidance and general administrative services in the field of general planning, administration, organization and governance, personnel, finance, filing, coding, and household equipment.

2. ASIA-BASED BIO-HYDROGEN ASSOCIATION

The association is promoting for education, research and the implementation of biohydrogen energy to all stake holders in ASIAN member countries

Asian Bio-HyLinks Founders

1. Dr. Nan-qi Ren, Professor, Harbin Institute of Technology, China
2. Dr. Jun Miyake, Professor, Osaka University, Japan.
3. Dr. Mi-Sun Kim, Principal researcher, Korea Institute of Energy Research, Korea
4. Dr. Chiu-Yiu Lin, Professor, Feng Chia University
5. Dr. Jo-Shu Chang, Professor, National Cheng Kung University
6. Mr. David Tee Liang, Director of ACED, Nanyang Technological University, Singapore
7. Dr. Herbert H.P. Fang, Professor, The University of Hong Kong, China
8. Dr. Kazuhisa Miyamoto, Professor, Osaka University, Japan
3. ASEAN NETWORKING FOR BIOPROCESS AND BIOREFINERY TECHNOLOGY

ASEAN established research collaboration between the countries participants on bioprocess and biorefinery technology which is under the ASEAN-COST (ASEAN Committee on Science and Technology) programmes. Following by the symposium and workshop on Bioprocess and Biorefinery, February 2010, website ASEAN-NBT has created for communication and reporting the activities of each participant (www.test.biorefineryasia.org). The Association is also based for ASEAN Scientist for building the networking.

PARTICIPANTS

The Symposium has been primarily designed for the specialists and professionals from the member countries of the Asia Bio-hylink and others. The participants may be from the government departments, academic and research institutions and agencies that are actively involved in the research, study and promotion of Bio-hydrogen and Biorefinery Technology.
The selection of the participants will be strictly based on merit and the quality of the resume of presentation material.

VENUE

The international Symposium will be organised at IPB-Convention Centre, Bogor, Indonesia. Website: www.ipbcc.com

RESOURCE PERSONS

Resource persons for the Symposium will comprise eminent experts from China, India, Indonesia, Japan, Korea, Taiwan and other countries.

PUBLICATION OF JOURNALS/PROCEEDINGS

High quality papers will be selected and published in special issue of the International Journal of Hydrogen Energy. The 2011ABBS will be an excellent opportunity for having constructive discussions and for participants to develop fruitful cooperation amongst themselves.

ABOUT BOGOR
Bogor is a city in West Java Province, Indonesia. The town is located 54 km south of Jakarta, and its territory was in the middle area of Bogor Regency, the extent of 21.56 km², and its population 923,000 inhabitants (2010). Bogor known is the rain city, because it has a very high rainfall. The city consists of 6 districts of Bogor, which is divided again over a number of 68 wards. In the Dutch colonial era, Bogor is known as “Buitenzorg” which means "no worries" or "securely".

Anniversary and the city of Bogor, Bogor Regency is commemorated annually on June 3, based on June 3, 1482 is the day of the coronation of King Siliwangi as king of the Kingdom of Pajajaran.

Bogor (means "palm") has long been known to be the center of education and national agricultural research. This is where the various institutions and research centers of agricultural and biological stood since the 19th century. For instance, The Indonesian Institute of Sciences (LIPI) and Bogor Agricultural University established since the beginning of the 20th century.

Tourism and recreation

1. Bogor Botanical Gardens

A large research farm is located in the city of Bogor, Indonesia. The extent of about 80 hectares and has 15,000 species of trees and plant collections. There is two botanical gardens, Bogor Botanical garden and Cibodas Botanical garden. Each Botanical garden has uniqueness for specific plant conservation. Bogor Botanical garden is responsible for conserve the high land plants and Cibodas botanical garden is responsible for conserve the wet land plants and mosses.

2. Bogor President Palace

It is one of six Presidential Palace of the Republic of Indonesia, which has its own uniqueness. The uniqueness is due to aspects of historical, cultural, and fauna are outstanding. One is a beautiful deer imported directly from Nepal and stays awake from beginning until now.

3. Safari Park

Hilly tourist resort is located on the east side of Bogor city, surrounded by Mount Gede and Mount Pangrango. This area also serve as forest conservation including the safari park that park for breeding the specific animal such as white tiger and Jawa, Sumatra tiger.
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♦ Indonesian Institute of Sciences, Jakarta, Indonesia

Co-organizer:
♦ Asia Bio-HyLinks
♦ ASEAN Networking for Bioprocess and Biorefinery Technology

Advisory Committee:
♦ Prof. Dr. Lukman Hakim, Chairman of Indonesian Institute of Sciences
♦ Prof. Dr. Endang Sukara, Vice Chairman of Indonesian Institute of Sciences
♦ Prof. Dr. Bambang Prasetya, Deputy Chairman of Life Sciences, Indonesian Institute of Sciences
♦ Dr. Witjaksono, M.Si, Director of Research Center of Biotechnology, Indonesian Institute of Science
♦ Prof. Dr. Suprapedi, Head of Research and Development Unit for Biomaterial

Conference chairpersons
Chair:
♦ Dr. Dwi Susilaningsih, Researcher, Research Center for Biotechnology Indonesian Institute of Sciences
♦ Dr. Chiu-Yiu Lin, Professor, Feng Chia University, Taiwan
♦ Dr. Jun Miyake, Professor, Osaka University, Japan
♦ Dr. Mi-Sun Kim, Principal Researcher, Korea Institute of Energy Research, Korea

Co-chair:
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♦ Dr. Wahyu Dwianto, Researcher, Research and Development Unit for Biomaterial

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♦ Delicia Yunita Rahman, M.Si.
♦ Khairul Anam, M.Si.
♦ Dian Niverita W. S.Si
♦ Hani Susanti, M.Si
♦ Cahya Ningrum, M.Si
♦ Hery Syapari, S.Sos.
♦ Nina Kurnia S.AB
♦ Indah Purwaningsih, S.Si
♦ Muhamad Dzikri Anugerah
Manuscripts Preparations

1. Manuscripts must be in English, typewritten using Word, Arial Narrow, single space, 3 cm of left and right margin and 2.5 cm of top and bottom margin of a Letter paper size. Title is printed with a font size of 14 pt, Authors are of 12 pt, and Text is of 10 pt.

2. Manuscripts should be checked for spelling and grammar by a native speaker.

3. Manuscripts compositions:

3.1. Title
3.2. Complete name of Authors & addresses
3.3. Abstract
3.4. Key words
3.5. Texts: Introduction, Materials and Methods, Results and Discussion, Conclusions (and Suggestions), References, Appendix.


General Remarks for Manuscripts

1. Manuscripts accepted for presentations are those discussing/ containing results of research on wood science and technology, and reviews on specific topics.

2. Manuscripts have not been published elsewhere.

3. Manuscripts could be sent to the Editor address in the form of hardcopy and software file by mail; or electronic file through e-mail address: dwi.susilaningsih@lipi.go.id; dwisusisetyawan@gmail.com; delicia yr@gmail.com and cychu@fcu.edu.tw

Presentation Information: Accepted presentations will be allocated 15 minutes presentation time, which include 3 minutes for questions and answers to be held at the conclusion of each presentation.

Abstract Preparations
(font arial size 11pt single spacing)

1. Title
2. Complete name of Authors & addresses
3. Body text not more than 250 words
4. Keywords
REGISTRATION FORM

Name : ...........................................................
Email : ...........................................................
Phone/mobile : ...................................................
Institution : ......................................................
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Batch that will be followed:
♦ Industry/other
♦ Academia/Researcher
♦ Student

I want to participate following session (please select):

Oral Presentation ............................................. ☐
Poster Presentation ........................................... ☐

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