



39th Meeting of National Working Group on Indonesian Medicinal Plant

PROCEEDING



INTERNATIONAL CONFERENCE AND TALK SHOW ON MEDICINAL PLANT

Effective, Safe and Qualified Herbal Medicine for Diabetes Mellitus Treatment



Jakarta, 19th – 21st of October 2010

Organized by :

Agency for the Assessment and Application of Technology (BPPT)
National Working Group on Indonesian Medicinal Plant (POKJANAS TOI)
Association of Indonesian Herbal Medical Doctors (PDHMI)

Supported by :

Deutscher Akademischer Austausch Dienst (DAAD)

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Medicine for Diabetes Mellitus Treatment”**

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WELCOME MESSAGE

Praise and gratitude towards Allah who has given His Grace so that the International Conference and Talk Show on Medicinal Plant could be conducted in BPPT Jakarta on the 19th – 21st October 2010.

This International Conference and Talk Show on Medicinal Plant which is also the 39th Meeting of National Working Group on Indonesian Medicinal Plant is organized by BPPT in collaboration with the National Working Group on Indonesian Medicinal Plants (POKJANAS TOI), Deutscher Akademischer Austausch Dienst (DAAD) and the Association of Indonesian Herbal Medical Doctors (PDHMI). This Conference is an effort to develop the national herbal medicine industry and as a venue for researchers, policy makers, clinicians, industrialists and observers of the herbal medicine to gather and discuss the issues regarding herbal medicine.

The theme of this Conference is “Effective, Safe and Qualified Herbal Medicine for Diabetes Mellitus Treatment”. This theme was chosen because diabetes mellitus is one of diseases that could become a serious threat to public health in the future and currently herbal medicine has not been optimally utilized for the treatment of various diseases, especially diabetes mellitus. This Conference is expected to provide an overview of recent advances in herbal medicine technology, herbal medicine role in the treatment of diabetes, the problems faced by the herbal medicine industry and alternative solutions.

This conference has brought together 88 research papers from researchers of various institutions with a variety of topics, ranging from the cultivation aspects to clinical trials which provide an overview of the research currently conducted by research institution in Indonesia. Through this Conference, it is expected that research institutions with similar interest could collaborate to accelerate research in Indonesian and also as a venue for facilitating collaboration between research institutes, universities and industries.

The committee realizes that there are still many shortcomings that may be less than satisfactory to many parties. Criticisms and suggestions are expected to improve this organization of seminars in the future.

On this occasion the committee expressed the highest appreciation to the guest speakers, papers contributors, participants and sponsors for their cooperation in organizing the International Conference and Talk Show on Medicinal Plant

Jakarta, 19th of October 2010

Organizing Committee

International Conference and Talk Show on Medicinal Plant



The Agency for the Assessment and Application of Technology
BADAN PENGKAJIAN DAN PENERAPAN TEKNOLOGI (BPPT)
BPPT Chairman

His Excellency The Minister of Science and Technology, Mr. Suharna Surapranata

The Director of Deutscher Akademischer Austausch Dienst (DAAD), Indonesia

Chairman of The Association of Indonesian Herbal Medical Doctors (PDHMI)

Distinguished Speakers from China, Malaysia and Republic of Korea

Chairmen of Pharmaceutical Industries,

My colleagues and all participants,

Ladies and Gentlemen,

Assalamu Alaykum wa rahmatullahi wa barakatuh.

Good morning, Selamat Pagi, Salam Sejahtera untuk kita semua.

May God Almighty blesses us in conducting this event

Let us start by expressing our gratefulness to God almighty. His bless and mercy has given us opportunity to be here in the great and special event of **International Conference and Talkshow on Medicinal Plants** which focus on the theme of “Effective, Safe and Qualified Herbal Medicine for Diabetes Mellitus Treatment”.

I am delighted to welcome all distinguished guests, invited speakers and participants. To speakers coming from overseas, welcome to Jakarta and welcome to Indonesia. Jakarta is very wet at the moment, due to heavy rain in the last couple of months. I hope this will not discourage you to enjoy your visit to Jakarta.

In this very important moment, allow me to thanks to the committee who has been working verry hard to bring this event into reality. I also would like to express a special thank to the **Assosiation of Indonesian Herbal Medical Doctors** (PDHMI) who has been actively involved and support to this event. And to **Deutscher Akademischer Austausch Dienst (DAAD)** or **German Agency for Academic Exchanges** as a main sponshor, gratitude thanks and most appreciation shall be adressed.

Ladies and Gentlemen,

I would like to draw your attention that BPPT as a research agency under coordination of the Ministry of Research and Technology, highly supports the development of herbal medicines as one of the BPPT program on health and pharmaceutical sector especially in fulfilling the national self- sufficiency on medicines. Beside Health and medicine, BPPT is conducting other focused program, namely food, energy, ICT, transportation, defence, environment, and manufacturing.

I would like to highlight here that herbal medicine development is strategic choice for developing country like Indonesia where mega biodiversity is one of its comparative advantages. Currently, chemical and semi-chemical drug industries has been dominated by global pharmaceutical industries in developed countries. For this reason, competition in this area is not beneficial for Indonesian pharmaceutical industries where its industrial structure in general, is still very weak and need to be further developed. The choice to promote program on herbal medicine development is the fact that this program has strong national capacity building from upstream to downstream processes by using locally available resources and involving various stakeholders.

Ladies and gentlemen,

This is our main mission to relate the most suitable technology to significantly increase the added value of our bioresources in order to support our national herbal medicine industries. Knowledge and technology would be a fundamental tools in the development of herbal medicine industries which enable to support national economic growth (known as knowledge based economy).

I do realise that to achieve the noble goal is not trouble-free. We need an active participation of all players not only from government institutions as fasilitatory and regulatory bodies, but also from private sectors, academicians as well as researchers to work hand-in-hand toward the best

in the utilization of knowledge and local resources in natural product development.

Ladies and gentlemen,

Since the enthusiasm of back to nature have been gaining popularity and acceptance in recent decade, national herbal medicine industries should become one of the pillars of national economic development. This is also supported by the fact that Indonesia has a second largest biodiversity in the world, with more than 30,000 species of plants. The number of herbal medicine industries keep increasing, numbering to 1,500 companies, big and small corporation. According to Herbal Medicine Entrepreneur Association (**GP Jamu**) data in 2007, not less than 3 million people works on herbal medicine sector from upstream to downstream industries. The market share of herbal medicine has growing significantly, up to 15-20% yearly.

We all hope that herbal medicine will not only fulfil local and national market, but more than that will expand to other countries, as export commodity.

Ladies and gentlemen,

As I have just mentioned before, BPPT, through the **Centre of Pharmaceutical and Medical Technology** - fully supports the herbal medicine development. I hope throughout this great forum, all stakeholders involved in the utilization of medicinal plants will stumble on the best and most suitable ways to develop our biological resources as health products. We would like to utilize our biodiversity as source of natural products to prevent and cure diseases, especially degenerative diseases such as diabetes mellitus, and also to promote our well being. To PDHMI, the **Assosiation of Indonesian Herbal Medical Doctors** we would certainly relay on your share in using herbal medicine as part of formal health services.

At last, we should work closely with all experts and institutions who concern in this area not only from our national side but also from abroad. Therefore, BPPT is continually welcome to all collaborators from national as well as international institutions based on our mutual benefit for each parties involved.

Ladies and gentlemen,

Once again, I would like to thanks to the committee, sponshors, speakers and participants and wishing all a successful symposium.

Finally, by saying “*Bismillahirrohmanirrohim*”, in the name of GOD Almighty, the Most Gracious and the Most Merciful, I have the great pleasure to declare the **International Conference and Talkshow on Medicinal Plants** is officially opened.

Thank you very much for your passion and kind attention,

Wassalamu’alaykum warahmatullahi wabarakatuhu

BPPT Chairman,

Dr. Ir. Marzan Azis Iskandar

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