



COMSTech – LIPI International Workshop on Tropical Medicine and Natural Product

Wednesday, 2 June 2021. Via Zoom Meeting

A. Background

To explore the topic of tropical medicine and natural products, Indonesian Institute of Sciences (LIPI) in collaboration with COMSTech (OIC Standing Committee on Scientific and Technological Cooperation) will conduct an International Workshop on “Tropical Medicine and Natural Product” on 2nd June, 2021. This workshop will be divided into 2 sessions to discuss about biodiversity exploration for traditional medicine and natural products, and also natural products and industrial applications. Furthermore, we are also expecting potential collaboration between countries, especially OIC member states to conduct research related to tropical medicines and natural products for the treatment of communicable and non-communicable diseases.

As a OIC member state, Indonesia is currently developing potential vaccine candidates. The vaccine, *Vaksin Merah Putih*, developed jointly National Research and Innovation Agency, Ministry of Health, Bio Farma, Eijkman, and universities in Indonesia. Along with vaccine development, many research institutions in Indonesia are working on compounds from herbal ingredients that have the potential to treat Covid-19. Based on the research that has been done, some local Indonesian plants are predicted to be candidates for COVID-19 inhibitors. Previously, Indonesian Institute of Sciences (LIPI) had found Immunomodulator, an immune-enhancing supplement derived from red ginger, *Cordyceps*, *Sambiloto*, *meniran* and *sembung* leaves. This herbal medicine is medicinal and increases the body's immune system to fight viral infections. Immunomodulators have been tested at the Emergency Hospital for Covid-19, Wisma Atlet Kemayoran, Jakarta on June 8, 2020.

Natural products from plants, marine organisms, and microorganisms, are the richest source of drug candidates. Currently over 40% of clinically used drugs have natural origin. Nature is the sustainable source of biologically active molecules, and recent developments in chromatography and spectroscopic techniques made it possible to fully utilize their potential. This COMSTech-LIPI joint workshop is aimed to discuss most



recent developments in this field, and to foster productive collaboration between the researchers in OIC member states.

B. Objectives

- a) To identify and explore the biodiversity potential of traditional medicine and natural product in health and disease management.
- b) To encourage and strengthen collaboration among OIC member states in research, innovation, and development of various therapeutic products.
- c) To provide affordable biotechnology products for OIC member states.

C. Speakers and Moderator

Speaker

- 1) Dr. Laksana Tri Handoko, Chairman of National Research and Innovation Agency (BRIN)
- 2) Prof. Dr. M. Iqbal Choudhary, Coordinator General COMSTECH as well as a Director ICCBS – Pakistan
- 3) Prof. Dr. Ibrahim Jantan, Universiti Kebangsaan Malaysia
- 4) Prof. Dr. Andria Agusta, Research Center for Chemistry, Indonesian Institute of Sciences (LIPI)
- 5) Mr. Kilala Tilaar, CEO of Martha Tilaar Group
- 6) Dr. Nadeem Khalid (CEO at Herbion Pakistan)
- 7) Prof. Dr. Edi Meiyanto, Gadjah Mada University (UGM)

Moderator

- 1) Dr. Delicia Yunita Rahman, Research Center for Biotechnology, Indonesian Institute of Sciences (LIPI)
- 2) Dr. Anggia Presetyoputri, Research Center for Biotechnology, Indonesian Institute of Sciences (LIPI)



D. Participants

Open for public, this international workshop is targeted to be attended by OIC member state, researchers, academia, related Ministries/Institutions, Universities, Media and general public.

E. Date and Venue

The webinar will be held on Wednesday, 2 June 2020, 09.00-12.35 PST Time and/or 11.00-14.35 GMT +7 via Zoom meeting and YouTube Live Streaming on COMSTECH & LIPI channel

Please kindly register to <http://bit.ly/registrationLIPICOMSTECH2021>

F. Contact Details

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G. Tentative Agenda

TENTATIVE AGENDA

COMSTECH – LIPI

International Webinar on Tropical Medicine and Natural Products

09.00 AM PST/11.00 AM IDN, June 2nd, 2021

TIME	Duration (min)	PROGRAMS	FACILITATOR
09.00 – 09.05 AM PST 11.00 – 11.05 AM IDN	5	Opening & Greetings by MC	MC
09.05 – 09.15 AM PST 11.05 – 11.15 AM IDN	10	Welcome Remarks by Coordinator General COMSTECH, Director ICCBS – Pakistan	Prof. Dr. M. Iqbal Choudhary
09.15 – 09.25 AM PST 11.15 – 11.25 AM IDN	10	Opening Remarks by Chairman of BRIN	Dr. Laksana Tri Handoko
09.25 – 09.30 AM PST 11.25 – 11.30 AM IDN	5	Introduction of the Presentation Session by Moderator	Moderator: Dr. Anggia Prasetyoputri (LIPI)
09.30 – 11.00 AM PST 11.30 – 13.00 PM IDN	90	<p>Topic 1: <i>Biodiversity Exploration for Traditional Medicines and Natural Products</i></p> <p>Speaker 1: Prof. M. Iqbal Choudhary</p> <p>Speaker 2: Prof. Ibrahim Jantan</p> <p>Speaker 3: Prof. Andria Agusta</p>	Prof. Dr. M. Iqbal Choudhary (Coordinator General COMSTECH, Director ICCBS – University of Karachi, Pakistan)



			Prof. Dr. Ibrahim Jantan (Universiti Kebangsaan Malaysia) Prof. Andria Agusta (LIPI)
11.00 – 11.05 AM PST 13.00 – 13.05 PM IDN	5	Introduction of the Presentation Session by Moderator	Moderator: Dr. Delicia Yunita Rahma (LIPI)
11.05 – 12.35 PM PST 13.05 – 14.35 PM IDN	90	Topic 2: <i>Natural Products and Industrial Applications</i> Speaker 1: Dr. Nadeem Khalid Speaker 2: Mr. Kilala Tilaar Speaker 3: Prof. Edi Meiyanto	Dr. Nadeem Khalid (CEO at Herbion Pakistan) Mr. Kilala Tilaar Prof. Dr. Edi Meiyanto (UGM)
12.35 – 12.40 PM PST 14.35 – 14.40PM IDN	5	Closing by MC	