



Bandung International Scientific Meeting on Parasitology & Tropical Diseases

Abstract Book

Challenges In Parasitology In The Fraction Hobel From Basic to the Diagnostic & Clinical Application

Faculty of Medicine, University of Padjadjaran | Jl. Eijkman no. 38 Bandung

Abstract Book



Challenges in Parasitology in The Era of Globalization:

From Basic to the Diagnostic & Clinical Application

Editor: Emma Mardliyah Lia Faridah

Diterbitkan oleh: Fakultas Kedokteran Universitas Padjadjaran

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Message From The Chairman of Committee

Dear Colleagues,

On behalf of the Organizing Committee it is our great pleasure to invite doctors, scientist, and health practitioners to participate in the Bandung International Scientific Meeting in Parasitology and Tropical Disease 2015, with the special issue on "Current Development on Prevention, Diagnostic and Treatment of Infectious Diseases/Tropical medicine". This meeting will be held in Bandung with several well known speakers in the country and also foreign speakers. Experts on Parasitology and Infectious Diseases/Tropical medicine will also contribute to this meeting. The active participation of Faculty of Medicine, Jenderal Achmad Yani University, Maranatha Christian University, Bandung Islamic University, P41 (Perkumpulan Pemberantasan Penyakit Parasitik Indonesia) PDSPARKI (Perhimpunan Dokter Spesialis Parasitologi Klinik Indonesia) PEI (Perhimpunan Entomologi Indonesia), PETRI Bandung Branch (Perhimpunan Peneliti Penyakit Tropik & Infeksi Indonesia) members and other health professionals, especially medical specialist, hopefully will make this meeting beneficial for the health care system.

Tropical diseases such as malaria, Neglected Tropical Diseases (NTDs) as well as mosquito-borne diseases, toxoplasmosis, diarrhea, typhoid fever-Salmonellosis, etc., are still becoming a major problem in developing countries, including Indonesia. Infection can be present in both community and hospital settings. The increasing prevalence of nosocomial infection may affect both hospital management and patient care.

According to the management of infectious/tropical diseases, antimicrobial agents, anti parasites, and vaccines are the core subject to be discussed. Resistance to antimicrobial or antiparasitic agent still poses a major threat to modern health care. Resistance of many pathogens to these agents may lead to treatment constrain and drawbacks of the infection. In regards to this issue, vaccine will be an important option. Microorganisms, including parasites, have shown limitless abilities to develop new mechanisms of resistance. One solution to prevent the increase number of resistance is the rational use of antimicrobial and anti parasitic agents.

In this meeting we offer you a well-balanced scientific program in parasitology and tropical medicine, which is beneficial for clinicians and clinical parasitologists. We are hopeful that the meeting will give participants insights on the important and recent issues in parasitology and tropical medicine.

We are looking forward to welcoming you in Bandung.



Imam Megantara, dr., SpMK., SpTHT-KL., M.Kes Chairman

Bandung International Scientific Meeting on Parasitology and Tropical Diseases 2015

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Message from The Chairman of P4I Bandung Branch

As the Chairman of The Indonesian Association of Parasitic Disease Control (P4I) Bandung Branch, it is my great pleasure to cordially welcome all member of P4I and other participants to the Bandung International Scientific Meeting on Parasitology and Tropical Medicine to be held in Bandung from today until the 3rd of May 2015.

The theme "Challenges in Parasitology in the Era of Globalization: From Basic to the Diagnostic & Clinical Application" is most apt to this Meeting as we now face newer health problems such as new emerging diseases and the re-emergence of old diseases requiring better diagnostic and clinical treatment.

Evidently, our South East Asian tropical continent and the rest of the world is currently facing challenging health problem and diseases, creating unnecessary poverty, which are more and more complex and which require multi-sectoral, and multicountry cooperation to tackle and prevent.

This gathering hopes to draw regional and internationally renowned scholars involved in Parasitology and tropical diseases problems, to discuss and share their experiences to pave the way for effective measures to alleviate poverty and attain health, harmony and prosperity in South East Asia and beyond. This scientific meeting will also hopefully address the strengthening and networking of all institutions and individuals involved in tropical disease problems, by joining together to form a federation of tropical medicine at regional level.

Once again, welcome to Bandung, and enjoy the exciting event and discover the unique mountainous atmosphere of Bandung, and the cultural heritage of West Java.



Prof. Dr. Ridad Agoes, dr., MPH, SpParK Microbiology and Parasitology Faculty of Medicine Padjadjaran University Bandung - Indonesia

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PROGRAM OUTLINE

Friday, 1st May 2015

07.00-08.00	Regis	stration (1stfloor)
08.00-08.30	Oper	ning Ceremony
		/note Speech
08.30-09.00		management in Indonesia H. M Subuh
	Plenary 1: Global Programm Its Relev	ne on Parasitic Diseases Control and vance to Indonesia
		Limpakarnjanarat
09.00-10.30	R	e as Comorbid in HIV/AIDS Patients
	Source Eradication, Pilot St	Control & Elimination of Malaria by tudy on Mass Drug Administration by Based Combination Therapy
		ong Jianping
	Symposium 1 Trends in	n malaria prevention in the future ator: Ridad Agoes
		lalaria Drug Resistance in Indonesia
10 20 11 20		n Syafruddin
10.30-11.30	Future of Natura	I Products against Malaria
		usy Tjahjani
		ine for Malaria
	F	Heny Arwati
11.30-13.00		Lunch
		aria elimination in Indonesia
		eguh Wahyu Sardjono
		Control Strategy in Indonesia
		Asik Surya
13.00-14.00	Lasting Insecticidal Net (LL Malaria Elin	nbination Therapy (ACTs) and Long- IN) in Low Endemic Area to Achieve nination in Indonesia
		ta Kusriastuti
	A Public-Private Partnershi	p Reduces Malaria Burden in Timika, Papua.
	Gol	vert Waramori
	Works	The second s
	Malaria & Filaria	Mostly Needed Point of Care Test in The Field for A Management of
14.00-17.00	Microscopic Examination Agnes Kurniawan, Rawina Winita, Hendry Astuti (1st floor)	parasitic Diseases Bachti Alisjahbana New Update in Management of Malaria, Based on The National Program Guidelines
	(1 1001)	Yovita Hartantri 6 th floor)

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Coffee Break P4I & PDSPARKI Organization Meeting

Saturday, 2nd May 2015

	Plenary Session
	Moderator: Bachti Alisjahbana
	Plenary 4: Globalization and Threat of Tropical Parasitic Diseases
	Pratap Singhasivanon
08.00-09.30	Plenary 5: Lymphatic Filariasis Global Status and Its Elimination in Indonesia
	Anand B. Joshi
	Plenary 6: Schistosomiasis in Southeast Asia
	Mohammad Sudomo
09.30-09.45	Coffee Break
	Symposium 3 Elimination of Helminthic Diseases Moderator: Chairil Anwar
	Management of Preventive Chemotherapy Treatment Filariasis
	through Belkaga Campaign Sitti Ganefa
09.45-10.45	The Very High Prevalence of Intestinal Parasites in Kalena Rongo Village, Southwest Sumba, 2014
	Saleha Sungkar Co-evolution of Mycobacterium tuberculosis wih The Human
	Innate Immune System
	Aarjan van Laarhoven
	Symposium 4 Elimination Protozoa Intestinal & Mycology
	Diseases
	Moderator: Imam Megantara
10.45-11.30	Management of Protozoa Intestinal Infection in Indonesia
10110 11100	Hadi Jusuf
	Mycology in Immunocompromize patients
	Suzzane van Dorp
	Symposium 5: Vector Control
	Moderator: Ridad Agoes
	Insecticide Resistance in Some Urban Insects (Blatella
11.30-12.30	germanica, Musca domestica, and Aedes aegypti) from Indonesia Intan Ahmad
	Vector Control in Indonesia
	Upik Kesumawati Hadi
12.30-13.30	Lunch
	Symposium 6 Dengue Elimination
NAMES AND DESCRIPTION	Moderator: Bachti Alisjahbana
13.30-14.15	Curent situation of Dengue Infection in Indonesia

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15.00-15.30

17.00-21.00

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Dengue Vaccine a Need for South East Asian Countries Kusnandi Rusmil

Workshop

14.30-16.30

in AIDS Cases with Diarrhea Agnes Kurniawan, Ika Puspa Sari, Sri Wahdini (1stfloor)

Parasitology Examination

Update in Management of Opportunistic infection in HIV Rudi Wisaksana and Uun Sumardi Treatment Strategy for Wise Use of Echinocandin in HIV Critically III Patient Uun Sumardi (6thfloor)

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16.30-17.00 17.00

08.00-17.00

Coffee Break Closing

Tour de Bandung

Sunday, 3rd May 2015

ORAL PRESENTATION FRIDAY, 1st May 2015

SESSION 1 (10.30-11.30) CR 1

O-01 Molecular Detection of Larvae/Microfilariae Brugia malayi in Mansonia Mosquitoes from Batumarta X, South Sumatra

Dalilah, Muhaimin Ramdja, Chairil Anwar, Ahmad Ghiffari

O-02 The Role of Host Immunity in Lymphatic Filariasis

M. Muhsin, M. Mulyadi, M. Y. Fong

O-03 Comparative Study for Filarial Detection by Using Microscopic and Serological Assay with BmR1 and BmXSP1 Recombinant Antigen as an Evaluation of Filariasis Elimination Program at Kp Sawah and Pamulang, South Tangerang District

Silvia F. Nasution, Rahmah Noordin, Syahida Arifin

O-04 Infestation's of Intestinal Helminth by The Children at The Coastal Area of Siak River Pekanbaru

Lilly Haslinda, Esy Maryanti, Suri Dwi Lesmana, Suci Aryanti

O-05 The Effect of Interleukin-10 (IL-10) in Pregnant Women Infected by Ascaris lumbricoides After Administrating Daily Low Dose Vitamin A Supplement (6,000 IU): A Randomized Placebo-Controlled Trial Rizal Subahar, Heri Wibowo, Saleha Sungkar, Agus Aulung, Widiastuti, Marcellus Simadibrata

SESSION 2 (13.00-14.00) CR1

O-06 Taeniasis in Bali : Molecular Identification of Taenia which Come from Patient Who Visited Department of Parasitology Faculty of Medicine Udayana University 2009-2014

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The Role of Host Immunity in Lymphatic Filariasis

M. Muhsin^{1,2}, M. Mulyadi¹, M. Y. Fong²

¹Faculty of Medicine Syiah Kuala University, Banda Aceh-Indonesia ²Department of Parasitology Faculty of Medicine University Malaya, Kuala Lumpur-Malaysia

Lymphatic filariasis (LF) is a chronic neglected tropical disease and continues to present challenge to current elimination programs. It is estimated that 1.3 billion people live in endemic areas for LF with 120 million people infected worldwide. There are three species that cause LF in humans: *Wuchereria bancrofti, Brugia malayi* and *B. timori*. The role of host immunity in reducing inflammation, number of worms, circulating microfilaria and in preventing disability still leaves a big question mark and requires further research. Both types of human immunity, innate and adaptive immunity, are believed to take an important part in controlling or even worsening the disease. Local and systemic inflammation which involves various cell types and molecules has long been recognized to occur in patients with filariasis, especially in early phases of infection as well as in-the chronic stage. Several cell types are involved in the immune response against filarial infection and are important for worm clearance as well as inducing the pathology. This review discusses some of these cell types and their role in host immunity against filarial infection.