

BANGKOK, NOVEMBER 4-5 2013



2ND ASEAN ACADEMIC SOCIETY INTERNATIONAL CONFERENCE

Passage Towards ASEAN Community 2015
Bridging Science, Technology, and Humanities

International Conference on
Business, Economics, and Social Sciences
(ICBESS 2013)

Abstract Book

Organized by
Indonesian Student Association in Thailand (PERMITHA)
Embassy of Republic Indonesia
International Studies Center, Kasetsart University
Faculty of Agriculture, Kasetsart University



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Preface

On behalf of the Organizing Committee of the 2nd ASEAN Academic Society International Conference (AASIC), it is an honor to welcome you all to the International Conference on Pharmaceutical, Medical, and Health Sciences (ICPMHS 2013). The main conference, the 2nd AASIC, consists of a keynote speech, plenary speeches, and also parallel presentations which focus on medical and health sciences as well as related fields.

The 2nd ASEAN Academic Society International Conference having a theme of "Passage Towards ASEAN Community 2015: Bridging Science, Technology and Humanities" consists of three International Conferences of which one of them is ICPMHS 2013. The theme stresses on bridging of all community of experts in research and innovation in facing of ASEAN Community 2015. All papers submitted to the 2nd AASIC have been reviewed by more than 15 international scientific committee members from over 10 different countries ensuring the quality of the accepted papers.

The ICPMHS 2013 is organized by Indonesian Student Association in Thailand, in cooperation with the International Studies Center and Faculty of Agriculture of Kasetsart University, with a partial financial sponsorship by the Embassy of The Republic of Indonesia in Bangkok. I would like to express my deep gratitude to above mentioned organizations that made the conference possible. In addition, I would like also to thank all International Scientific Committee for assisting the Organizing Committee to review papers submitted to the conference. This conference will not be possible without the participation of the authors, to whom I would like to express my thankfulness.

Last but not least, I would like to thank all of you for coming and wish you a pleasant stay in Bangkok and a fruitful conference.

Canggih Puspo Wibowo
Chairman of 2nd AASIC

					Photo Session	Photo Session
15.30-15.45	Coffee break at Cathering Room					
	ICPMHS-45	ICPMHS-46	ICBESS-36	ICBESS-30	Campus Tour	
	ICPMHS-47	ICPMHS-50	ICBESS-43	ICBESS-31		
	ICPMHS-49	ICPMHS-56	ICBESS-44	ICBESS-33		
	ICPMHS-52	ICPMHS-58	ICBESS-47	ICBESS-35		
15.45-17.45	ICPMHS-53	Photo Session	ICBESS-49	ICBESS-37		
	Photo Session		ICBESS-52	ICBESS-38		
			ICBESS-53	ICBESS-54		
			Photo Session	Photo Session		
19.30-21.30	Gala dinner at Maruay Garden Hotel					

Venue

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Conference Venue

Ruang Khao Grand Conference Hall, Vachiranusom Building
 Faculty of Agriculture, Kasetsart University Bangkokhen Campus
 50 Ngam Wong Wan Road, Ladyaow, Chatuchak, Bangkok
 10900

Gala Dinner

Maruay Garden Hotel
 1 Phaholyothin Road, Senanikhom, Chatuchak, Bangkok 10900



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ABSTRACT

Pulmonary tuberculosis (pulmonary TB) is an infectious disease caused by the *Mycobacterium tuberculosis*. Prevalence of pulmonary tuberculosis in Central Java, Indonesia remains high (74.52%). Smear-positive pulmonary TB cases in Wonogiri district in 2012 have increased (48.4%). Prevention activities is essential to break the chain of transmission of pulmonary TB by knowing the factors that influence it, especially in the sphere nearest the patient's family. The purpose of this study is to analyze the history of household contact with pulmonary TB incidence in Wonogiri district. It is observational analytic study with case-control study design. Sample cases were all patients with smear-positive pulmonary TB who had a history of contact in Wonogiri district. Control samples were all people with smear-negative pulmonary TB who had a history of contact in Wonogiri. The total sample were 136 respondents. Statistical analysis showed that the variables associated with the incidence of pulmonary tuberculosis were prolonged contact (OR = 3.975, 95% CI = 1.887 to 8.375), working outside the home (OR = 2.496, 95% CI = 1.243 to 5.001), history of sharing a room (OR = 8.816, 95% CI = 3.767 to 20.681), the closeness of the family relationship status (OR = 2.908, 95% CI = 1.173 to 7.212), preventive behavior (OR = 26.5, 95% CI = 10.412 - 67.449). It is important for Tuberculosis Control Program manager in Wonogiri district to perform case detection rate from household contacts every month. For patients who have a history of TB contact need to improve health behaviors for the prevention of pulmonary TB.

Keywords: household contact, pulmonary tuberculosis.

[ICPMHS - 19]

ANTICANCER ACTIVITY OF BRUCEINE

A ISOLATED FROM THE SEEDS OF *BRUCEA JAVANICA* ON HELA
CELL

19

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ABSTRACT

Brucea javanica seeds has been used traditionally to treat cancer, even though the scientific base of this has not been completely investigated. Bruceine A from *Brucea javanica* exhibit biological activities as a antimalarial, antitumor, antiviral and antiameobic activities. This study is to examine the anticancer activity of Bruceine A from *Brucea javanica* seeds include cytotoxic activity and induced p53 protein expression on HeLa cell. Cytotoxicity test of Bruceine A from *Brucea javanica* seeds has been performed by counting method of the cell directly with trypan blue exclusion dye. Analysis of induced p53 protein expression on HeLa cell was detected by using immunocytochemistry technique. Cell that stained positive p53 protein showed that there was nucleus or cytoplasm stained with brown color, while the one stained negative p53 protein would be purple. From cytotoxicity test results of Bruceine A from *Brucea javanica* seeds against HeLa cell, value IC₅₀ obtained as big as 76.4 µg/ml. From observation of p53 protein expression on HeLa cells by immunocytochemistry staining, it can



Certificate of Participation

This certificate is awarded to

Dwi Sutningsih

As

2nd Presenter

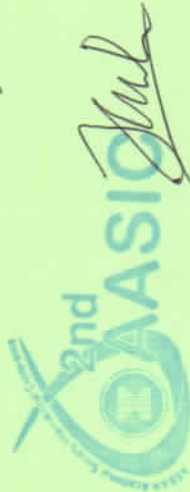
In the International Conference on Pharmaceutical, Medical, and Health Sciences (ICPMHS 2013) "Passage Towards ASEAN Community 2015: Bridging Science, Technology and Humanities" held in Bangkok, on November 4-5, 2013.

Education and Culture Attaché
Embassy of Republic of Indonesia



Dr. Yunardi
Dr. Yunardi

Chairman of 2nd AASIC



Canggih Puspo Wibowo



Bangkok, 16 October 2013

No. : 137/B/PERMITHA/X/13
Subject : Notification of Acceptance of the 2nd ASEAN Academic Society
International Conference (AASIC) Bangkok, Thailand 2013

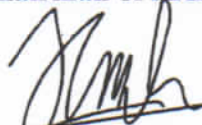
Dear Mr./Mrs./Ms. **Dwi Sutningsih and Susiana Purwantisari**,

We are glad to inform you that your paper entitled "*Anticancer activity of Bruceine A isolated from the seeds of Brucea javanica on Hela cell*" has been ACCEPTED for oral presentation in the 2nd ASEAN Academic Society International Conference (AASIC) on November 4-5, 2013 in Bangkok, Thailand. Please be informed that **the final camera ready** of the full paper formatted according to the template provided on the conference website <http://aasic2013.permitha.net/> must be sent by email to the aasic@permitha.net before **21 October 2013**.

As a reminder, please make sure that you have completed the registration process for AASIC 2013 by sending us **registration form and the payment** for the registration fee before **16 October (early bird)** or **23 October 2013 (normal)**. Note that if you submitted 2 papers, you are given 50% discount for the second paper payment. You may find further information about procedure and bank details on the conference website.

We look forward to seeing you in Bangkok in November! Thank you very much.

Sincerely yours,
Chairman of AASIC 2013



Mr. Cangghih Puspo Wibowo



KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS DIPONEGORO
FAKULTAS KESEHATAN MASYARAKAT

Jl. Prof. Soedarto, SH – Tembalang, Semarang Selatan, Kode Pos 50239 Telp. 7460044

SURAT TUGAS

Nomor: 5818 /UN7.3.9/KP/2013

Dekan Fakultas Kesehatan Masyarakat Universitas Diponegoro menugaskan kepada:

Nama : drh. Dwi Sutningsih, M.Kes
NIP : 197203081998022001
Jabatan /Gol. : Lektor/III d

Untuk menjadi oral presentation dalam acara The 2nd ASEAN Academic Society International Conference (AASIC2013) dengan Judul Artikel "Anticancer activity of Bruceine A isolated from the seeds of Brucea javanica on Hela cell", pada hari Minggu s.d Kamis, tanggal 3 s.d 7 November 2013, bertempat di Bangkok, Thailand.

Demikian surat tugas ini dibuat agar dilaksanakan dengan sebaik-baiknya, dan memberikan laporan setelah kegiatan tersebut dilaksanakan.

Semarang,
Dekan, 29 OCT 2013

Dra. VG. Tinuk Istiarti, M.Kes
NIP 195210171988032001



**KEMENTERIAN SEKRETARIAT NEGARA
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Nomor : B- 22334 /Kemsetneg/Setmen/KTLN/KL.00/11/2013 Jakarta, 4 November 2013
Sifat : Segera
Lampiran : -
Hal : Persetujuan penugasan
ke luar negeri

Yth. Sekretaris Jenderal
Kementerian Pendidikan dan Kebudayaan
u.p. Kepala Biro Perencanaan dan Kerja Sama Luar Negeri
di
Jakarta

Sehubungan dengan surat Kepala Biro Perencanaan dan Kerja Sama Luar Negeri Kementerian Pendidikan dan Kebudayaan nomor 157383/A2.3/LN/2013 dan nomor 157384/A2.3/LN/2013 masing-masing tanggal 29 Oktober 2013, dengan hormat diberitahukan bahwa Pemerintah menyetujui penugasan 5 (lima) orang Staf Pengajar Fakultas Kesehatan Masyarakat, Universitas Diponegoro ke luar negeri :

1. Ir. Martini, M.Kes – NIP 19650317 199303 2 001
2. Praba Girianjar, SKM, M.Biomed – NIP 19710904 199702 2 004
3. Lintang Dian Saraswati, SKM, M.Epid – NIP 19811104 200312 2 001
4. drh. Dwi Sutiningsih, M.Kes – NIP 19720308 199802 2 001
5. Dra. Retno Hestiningsih, M.Kes – NIP 19660208 199203 2 001

untuk menghadiri dan mempresentasi paper pada 2nd ASEAN Academic Society International Conference, di Bangkok, Thailand, tanggal 4 s.d. 5 November 2013.

Persetujuan Pemerintah ini diberikan dengan ketentuan sebagai berikut :

1. Biaya penugasan masing-masing ditanggung sendiri;
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3. Setibanya di Indonesia, yang bersangkutan agar menyampaikan laporan tertulis kepada Kementerian Sekretariat Negara.

Atas perhatian dan kerja sama yang baik, kami sampaikan terima kasih.

a.n. Sekretaris Kementerian Sekretariat Negara
Kepala Biro Kerja Sama Teknik Luar Negeri,


Rika Kiswardani

Tembusan:

1. Seskemsetneg, sebagai laporan
2. Dir. Konsuler, Kementerian Luar Negeri
3. Yang Bersangkutan

PD/402/ljm/Ch