



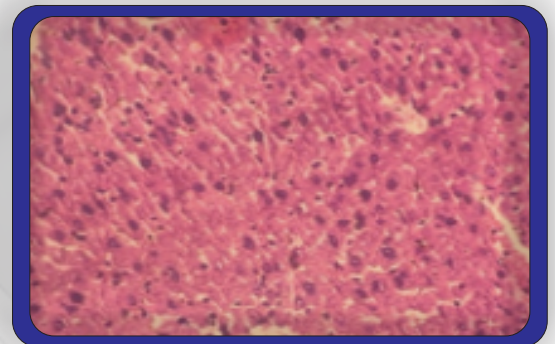
Faculty of Pharmacy

ISSN : 2088-0197
e-ISSN : 2355-8989



Indonesian Journal of Cancer Chemoprevention

Vbl.9, No.3, October 2018



**The Official Journal of
Indonesian Society for Cancer Chemoprevention**

INDONESIAN JOURNAL OF CANCER CHEMOPREVENTION

Editor in Chief

Ferry Sandra

(Faculty of Dentistry, Universitas Trisakti)

Board of Editors

Adam Hermawan

(Faculty of Pharmacy, Universitas Gadjah Mada)

Evanmarie Hey-Hawkins

(Institute of Inorganic Chemistry, Universität Leipzig)

Hiroshi Itoh

(Nara Institute of Science and Technology, Japan)

Ines Atmosukarto

(Australian national University)

Muhammad Da'i

(Faculty of Pharmacy, Universitas Muhammadiyah Surakarta)

Muthi Ikawati

(Faculty of Pharmacy, Universitas Gadjah Mada)

Nunuk Aries Nurulita

(Faculty of Pharmacy, Universitas Muhammadiyah Purwokerto)

Riris Istighfari Jenie

(Faculty of Pharmacy, Universitas Gadjah Mada)

Yashwant Pathak

(College of Pharmacy, University of South Florida)

Sri Handayani

(Indonesian Institutes of Science)

Yasumasa Bessho

(Nara Institute of Science and Technology, Japan)

Board of Reviewers

Arry Yannuar

(Faculty of Pharmacy, Universitas Indonesia)

Adek zamrud Adnan

(Faculty of Pharmacy, Universitas Andalas)

Edy Meiyanto

(Faculty of Pharmacy, Universitas Gadjah Mada)

Elfahmi

(College of Pharmacy, Institut Teknologi Bandung)

Indwiani Astuti

(Faculty of Medicine, Universitas Gadjah Mada)

Jun-ya Kato

(Nara Institute of Science and Technology, Japan)

Masashi Kawaichi

(Nara Institute of Science and Technology, Japan)

Mitsunori Kiriata

(Osaka Prefecture University, Japan)

Nico P. E. Vermeulen

(Vrije Universiteit Amsterdam)

Rolf F. Barth

(The Ohio State University)

Solachuddin Jauhari Arief

(International Islamic University Malaysia)

Sukardiman

(Faculty of Pharmacy, Universitas Airlangga)

Officers

Anindyajati

(College of Pharmacy, Institut Teknologi Bandung)

Dian Anita

(Cancer Chemoprevention Research Center, Pharmacy, UGM)

Gagas Pradani Nur Ilmawati

(Cancer Chemoprevention Research Center, Pharmacy, UGM)

Hilyatul Fadliyah

(Cancer Chemoprevention Research Center, Pharmacy, UGM)

Marsya Yonna Nurrachma

(Cancer Chemoprevention Research Center, Pharmacy, UGM)

Nurrani Mustika Dewi

(Faculty of Pharmacy, Universitas Padjajaran)

Raisatun Nisa Sugiyanto

(Cancer Chemoprevention Research Center, Pharmacy, UGM)

Ririn Widarti

(Cancer Chemoprevention Research Center, Pharmacy, UGM)

Rohmad Yudi Utomo

(Cancer Chemoprevention Research Center, Pharmacy, UGM)

Yonika Arum Larasati

(Cancer Chemoprevention Research Center, Pharmacy, UGM)

Editorial Office

Faculty of Pharmacy, Universitas Gadjah Mada

Sekip Utara, Yogyakarta, Indonesia 55281

Telp. (+62-274) 6492662, Fax. (+62-274) 543120

Email : ijcc@chemoprev.org, ijcc.office@gmail.com

Published by

Indonesian Society for Cancer Chemoprevention (ISCC)

Cover Picture:

"The Effect of Liberica Coffee on Liver Physiology and Histological Appearance of White Mice" (see Kirana, *et al.*, p. 152-159)

**INDONESIAN JOURNAL OF CANCER CHEMOPREVENTION
ARTICLES**

- Trigona* sp. Propolis Ethanolic Extract Decreased Chloramphenicol-induced Serum Glutamic Oxaloacetic Transaminase and Alkaline Phosphatase Levels of Rats (*Rattus novergicus*) 110-117
(Chanif Mahdi, Anna Zukiaturrahmah, Dyah Ayu Oktavianie Ardhiana Pratama, Putranty Widha Nugraheni)
- Anti-metastatic Activity of Curcumin Analog Pentagamaboronon-0-Sorbitol Against HER2-overexpressed MCF-7 Breast Cancer Cells 118-125
(Lailatul Qodria, Indah Hairunisa, Rohmad Yudi Utomo, Adam Hermawan, Edy Meiyanto)
- Curcumin Analog Pentagamaboronon-0-Sorbitol Inhibits Cell Migration Activity of Triple Negative Breast Cancer Cell Line 126-133
(Ratna Dwi Ramadani, Rohmad Yudi Utomo, Adam Hermawan, Edy Meiyanto)
- Pentagamaboronon-0 Fructose Inhibited Migration and Overexpression of Matrix Metalloproteinases 9 on MCF-7/HER2 Breast Cancer Cells 134-142
(Indah Hairunisa, Rohmad Yudi Utomo, Yogi Ertanto, Riris Istighfari Jenie, Edy Meiyanto)
- Cytotoxic Activity of Ethyl Acetate Fraction of *Aglaia elliptica* Blume Leaves Extract on HepG2 Hepatocarcinoma Cells 143-151
(Churiyah, Ekleisia Yuliarni, Agung Eru Wibowo, Firdayani)
- The Effect of Liberica Coffee on Liver Physiology and Histological Appearance of White Mice 152-159
(Cindra Ayuning Kirana, Syamsurizal, Diah Tri Utami)

