



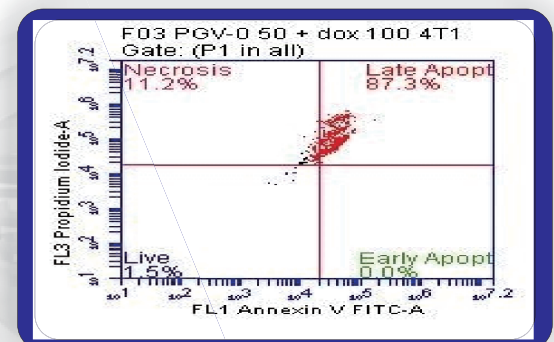
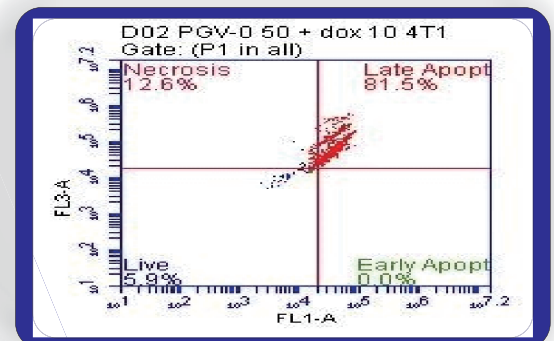
Faculty of Pharmacy

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



# Indonesian Journal of Cancer Chemoprevention

Vol.11, No.1, February 2020



The Official Journal of  
Indonesian Society for Cancer Chemoprevention

## INDONESIAN JOURNAL OF CANCER CHEMOPREVENTION

### Editor in Chief

Ferry Sandra (Universitas Trisakti, Indonesia)

### Board of Editors

Adam Hermawan (Universitas Gadjah Mada, Indonesia)  
Evanmarie Hey-Hawkins (Universität Leipzig, Germany)  
Hiroshi Itoh (Nara Institute of Science and Technology, Japan)  
Ines Atmosukarto (Australian National University, Australia)  
Muhammad Da'1 (Universitas Muhammadiyah Surakarta, Indonesia)  
Muthi Ikawati (Universitas Gadjah Mada, Indonesia)  
Nunuk Aries Nurulita (Universitas Muhammadiyah Purwokerto, Indonesia)  
Riris Istighfari Jenie (Universitas Gadjah Mada, Indonesia)  
Yashwant Pathak (University of South Florida, USA)  
Sri Handayani (Indonesian Institutes of Science, Indonesia)  
Yasumasa Bessho (Nara Institute of Science and Technology, Japan)

### Board of Reviewers

Arry Yannuar (Universitas Indonesia, Indonesia)  
Adek zamrud Adnan (Universitas Andalas, Indonesia)  
Edy Meiyanto (Universitas Gadjah Mada, Indonesia)  
Elfahmi (Institut Teknologi Bandung, Indonesia)  
Indwiani Astuti (Universitas Gadjah Mada, Indonesia)  
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, Netherlands)  
Rolf F. Barth (The Ohio State University, USA)  
Solachuddin Jauhari Arief (International Islamic University Malaysia, Malaysia)  
Sukardiman (Universitas Airlangga, Indonesia)

### Officers

Anindyajati (Institut Teknologi Bandung, Indonesia)  
Dian Anita (Universitas Gadjah Mada, Indonesia)  
Gagas Pradani Nur Ilmawati (Universitas Gadjah Mada, Indonesia)  
Hilyatul Fadliyah (Universitas Gadjah Mada, Indonesia)  
Marsya Yonna Nurrachma (Universitas Gadjah Mada, Indonesia)  
Nurrani Mustika Dewi (Prodia Clinical Laboratory, Indonesia)  
Raisatun Nisa Sugiyanto (Universitas Gadjah Mada, Indonesia)  
Ririn Widarti (Universitas Gadjah Mada, Indonesia)  
Rohmad Yudi Utomo (Universitas Gadjah Mada, Indonesia)  
Yonika Arum Larasati (Universitas Gadjah Mada, Indonesia)

### 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:

“Pentagamavunon-0 (PGV-0) Enhance Cytotoxic Effect of Doxorubicin Through Increasing of Apoptosis” (see Hadi, *et al.*, p.7-15)

**INDONESIAN JOURNAL OF CANCER CHEMOPREVENTION  
ARTICLES**

- Cytotoxic Activity of *Hyptis pectinata* Extracts on MCF-7 Human Breast Cancer Cells 1-6  
(Nur Dina Amalina, Meiny Suzery, Bambang Cahyono)
- Pentagamavunon-0 (PGV-0) Enhance Cytotoxic Effect of Doxorubicin Through Increasing of Apoptosis, Senescence and ROS Level on Triple Negative Breast Cancer 4T1 7-15  
(Ismanurrahman Hadi, Riris Istighfari Jenie, Edy Meiyanto)
- Synergistic Cytotoxicity Effect by Combination of Methanol Extract of Parijoto Fruit (*Medinilla speciosa* Reinw. ex. Bl) and Cisplatin against HeLa Cell Line 16-21  
(Anif Nur Artanti, Umi Hanik Pujiastuti, Fea Prihapsara, Rita Rakhmawati)
- Nanoparticle from *Medinilla speciosa* with Various of Encapsulating Agent and Their Antioxidant Activities Using Ferric Reducing Assay 22-29  
(Rissa Laila Vifta, Fania Putri Luhurningtyas)
- Analgesic, Anti-Inflammatory and Anti-Biofilm-Forming Activity of Potato (*Solanum tuberosum* L.) Peel Extract 30-35  
(Ivan Arie Wahyudi, Fahri Reza Ramadhan, Rama Insan Kusuma Wijaya, Retno Ardhani, Trianna Wahyu Utami)
- Human Platelet Lysate (HPL) as an Alternative Media Propagation of T47D Cells Line 36-45  
(Diani Mentari, Relita Pebrina, Diah Nurpratami)
- Activity of Noni Fruit (*Morinda citrifolia* L.) Ethanolic Extract on Class *mu* Glutathion S-Transferase of Lung Rat 46-53  
(Purwanto Purwanto, Sudibyo Martono)

