

ISSN : 2088-0197

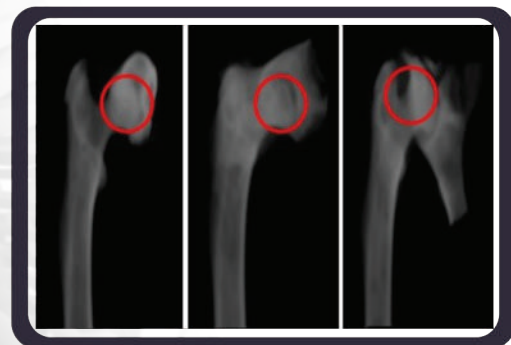


Faculty of Pharmacy



Indonesian Journal of Cancer Chemoprevention

Vol. 3, No. 3, October 2012



The Official Journal of
Indonesian Society for Cancer Chemoprevention

Indonesian Journal of Cancer Chemoprevention

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Indonesian Society for Cancer Chemoprevention (ISCC)

Cover Picture :

"Effects of PLE on bone density. ...

(see Sugiyanto *et al.* pages 426-431)

INDONESIAN JOURNAL OF CANCER CHEMOPREVENTION ARTICLES

- Ursolic Acid Enhances Doxorubicin Cytotoxicity on MCF-7 Cells Mediated by G2/M Arrest
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- Cost Analysis of Cancer Side Effects Therapy in Cancer Patients in Rumah Sakit Prof. Dr. Margono Soekarjo Purwokerto
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- Ethanollic Extract of Papaya (*Carica papaya*) Leaf Improves Blood Cholesterol Profiles and Bone Density in Ovariectomized Rats
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- Safety Evaluation of Chicken Satay In Yogyakarta Indonesia Based on Benzo[a]pyrene Content
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- Elettaria cardamomum* Distillate Increases Cellular Immunity in Doxorubicin Treated Rats
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- Ethanollic Extract of Secang (*Caesalpinia sappan* L.) Wood Performs as Chemosensitizing Agent Through Apoptotic Induction on Breast Cancer MCF-7 Cells
(Rahmi Khamsita, Adam Hermawan, Dyaningtyas Dewi Pamungkas Putri, and Edy Meiyanto) 444 - 449

Preface

Indonesian Journal of Cancer Chemoprevention (IJCC) is an Indonesian leading journal in cancer chemoprevention with international level. We publish all aspects of cancer chemoprevention, including experimental and clinical pharmacology, cancer detections and also applications of stem cell technology, immunology research, *in vitro* and *in silico* exploration on chemoprevention mechanisms, screening of natural (plants, marine natural products, etc.) and synthetic chemopreventive agents, cultivation of chemopreventive plants and development of herbal dosage forms for chemoprevention, and development of herbal cosmetics formulation. Investigation of active compound responsible for natural products' activity was done since long time ago and still being developed this day. One of the interesting compounds is ursolic acid, which is a pentacyclitriterpene acid that can be isolated from plants and made through synthesis. Ursolic acid found as potent cytotoxic agent inhibited various cancer cells. Exploration of ursolic acid in cancer chemoprevention also directed to co-chemotherapy to enhance affectivity of chemotherapeutic agent.

In this issue, Arifin *et al.* explored potency of ursolic acid as co-chemotherapeutic agent of doxorubicin. Interestingly, ursolic acid was synergist with doxorubicin as well as modulated the cell cycle profile used. Besides, another article has investigated cost analysis of side effect that occurs after cancer treatment in Rumah Sakit Prof. Dr. Margono Soekarjo, Purwokerto (Pradana *et al.*). An interesting study also was done by Sugiyanto *et al.* which showed that papaya leaves performed phytoestrogenic effect that improves blood cholesterol profiles and bone density in ovariectomized rats. Other studies done by Irnanda *et al.*, evaluated safety of chicken satay in Yogyakarta based on benzo[a]pyrene content. Raksamiharja *et al.* found that *Elettaria cardamomum* distillate increased cellular immunity in doxorubicin induced rats, while Khamsita *et al.* showed the chemosensitizing effect of *Caesalpinia sappan* L. wood on breast cancer cells. All of those studies are related to discovery and development of cancer chemoprevention.

We wish to thank the authors contributed in this issue. Editors encourage other researchers to explore more combination chemotherapy agent and molecular mechanisms, and published the articles in IJCC.

Editor in Chief,

Dr. Arry Yanuar, M.Si., Apt.

AIMS

Indonesian Journal of Cancer Chemoprevention is a tri-annual international journal devoted to the publication of articles on all aspects cancer chemoprevention including experimental and clinical pharmacology, especially concerning anti-oxidants, antiaging, anti-inflammation, anti-angiogenesis, and anti-carcinogenesis; cancer detections and also applications of stem cell technology; Immunology research, especially on immunomodulation; In vitro and in silico exploration on chemoprevention mechanisms; Screening of natural (plants, marine natural products, etc.) and synthetic chemopreventive agents; Cultivation of chemopreventive plants and development of herbal dosage forms for chemoprevention; and Development of herbal cosmetics formulation.

INSTRUCTIONS TO THE AUTHORS

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Title must be concise and informative.

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Key words: provide a list of a most 5 key words for the abstract, separated by commas (,)

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Materials and Methods should be described in detail sufficient to enable the work to be repeated, and suppliers of materials and equipment given, if necessary.

Results and Discussion

Results should be presented in logical sequence, with tables and illustration as appropriate. *Discussion* should emphasize the implication of the findings, their limitations, and relevance to other studies. It should not be a recapitulation of the *results*. The end of the discussion should implied conclusion of whole research.

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Chen, Y. Shen, S., and Lin, H., 2003, Rutinoside at C7 attenuates the apoptosis-inducing activity of flavonoids, *Biochem. Pharmacol.*, **66**(5), 1139–1150.

for books

Bruton, L. Lazo, J. S. and Parker, K. L., 2005, *Goodman & Gilman's the pharmacological basis of therapeutics*. 11th ed. Lange: McGrawHill.

for chapter in books

Smith, J., 1975, A source of information. In: W. Jones, ed. 2000, *One hundred and one ways to find information about health*. Oxford: Oxford University Press. pp. 44-68.

for proceedings

Adina, A.B. Handoko, F.F. Setyarini, I.I. Septisetyani, E.P. Riyanto, S., and Meiyanto, E., 2008. Ethanolic extract *Citrus aurantifolia* increase sensitivity MCF7 cell line towards Doxorubicin, *Proceeding*, Kongres Ilmiah ISFI ke-16, Yogyakarta, ISBN:978-979-95107-6-2, pp. 55-629, 11 Agustus.

for official documents

Division of Drugs & Toxicology, 1994, *Drug Evaluation Annual*, New York: American Medical Association

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Cancer in South Africa [editorial], 1994, *S Afr Med J*, **84**, 15-20.

Tables and figure

For each table and figures, provide a detail legend explaining the content of the table or figure



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