

ISSN : 2088-0197

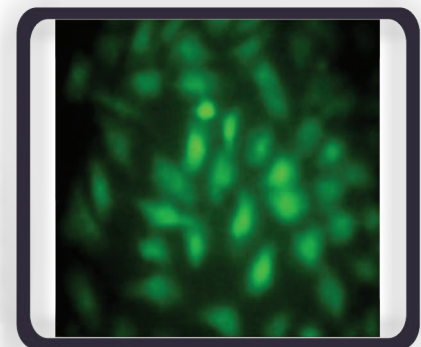
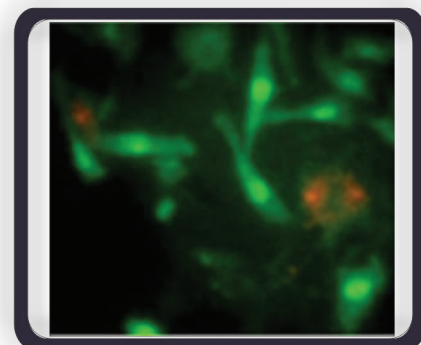


Faculty of Pharmacy



Indonesian Journal of Cancer Chemoprevention

Vol. 3, No. 1, February 2012



The Official Journal of
Indonesian Society for Cancer Chemoprevention

Indonesian Journal of Cancer Chemoprevention

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Editorial Office

Faculty of Pharmacy, Universitas Gadjah Mada Yogyakarta, Sekip Utara, Yogyakarta, Indonesia 55281

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

Email : iscc2010@ymail.com

Bank : Bank BNI

Branch : Cabang UGM, Yogyakarta

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Indonesian Society for Cancer Chemoprevention (ISCC)

Cover Picture :

**"Effect of AE and Dox on T47D cells
apoptosis ...**

(see Rahmi *et al.* pages 339-344)

INDONESIAN JOURNAL OF CANCER CHEMOPREVENTION ARTICLES

- Ficus septica* Burm. f. Leaves Ethanolic Extract Triggered Apoptosis on 7,12-Dimethylbenz[*a*]anthracene-Induced Rat Mammary Carcinogenesis Qualitatively (Anindyajati, Andita Pra Darma, Ika Nurziah, Dita Brenna Septhea, and Agung Endro Nugroho) 334 - 338
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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. Combination chemotherapy (co-chemotherapy) is also a focus in cancer chemoprevention research and application nowadays, either synthetic-synthetic chemotherapeutic agent or synthetic chemotherapeutic-natural product agent. Researches in combination chemotherapy are necessary to increase efficacy as well as reduce resistance and side effect of cancer therapy, which give benefits not only in cancer patient's health but also in their therapy cost.

The current issue of IJCC contains six articles, and some of them related with co-chemotherapeutic application. Rahmi *et al.* showed that extract of *Areca catechu* seeds perform synergistic effect with doxorubicin and induces apoptosis excessively on T47D breast cancer cells. An interesting study also was done by Indriyani *et al.* which showed that tangeretin, a flavonoid contained in citrus peel, increases cytotoxic effect of 5-Fluorouracil significantly and this phenomenon is correlated with apoptosis induction and cell cycle modulation. Other studies done by Anindyajati *et al.*, Firdaus *et al.*, and Puspitasari *et al.* found that *Ficus septica*, *Nigella sativa*, and *Erythrina fusca* Lour. are potent on cancer *in vivo* and *in vitro*, while Handayani *et al.* showed the safety of extract of *Areca catechu* seed based on acute toxicity assay. All of those studies are potential to be continued in developing combination chemotherapy.

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.

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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.

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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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