

## บรรณานุกรม

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Adam, S.K., Sulaiman, N.A., Top, A.G.M., Jaarin, K. Heating reduces vitamin E content in palm and soy oils. *Malaysian Journal of Biochemistry and Molecular Biology*. 2007; 15(2): 76-79.

Bagchi, D., Sen, C.K., Bagchi, M., Atalay, M. Anti-angiogenic, antioxidant, and anti-carcinogenic properties of a novel anthocyanin-rich extract formula. *Biochemistry*. 2004; 69(1): 75-80.

Bele, C., Matea, C.T., Raducu, C., Miresan, V., Negrea, O. Tocopherol content in vegetable oils using a rapid HPLC fluorescence detection method. *Natulac Botanicae Horli Agrobatanici Cluj-Napoca*. 2013; 41(1): 93-96.

Bimakr, M., Rahman, R.A., Taip, F.S., Chuan, L.T., Ganjloo, A., Selemat., J. Hamid. A. Supercritical carbon dioxide (SC-CO<sub>2</sub>) extraction of bioactive compounds from Spearmint (*Mentha Spicata L.*) Leaves. *European Journal of Scientific Research*. 2009; 33(4): 679-690.

Boonsit, P., Pongpiachan, P., Julsrigival, S., Karladee, D. Gamma-oryzanol content in glutinous purple rice landrace varieties. *CMU Journal of Natural Science*. 2010; 9 (1): 151-157.

Chen, C.W. and Cheng, H.H. A rice bran oil diet increases LDL-receptor and HMG-CoA reductase mRNA expressions and insulin sensitivity in rats with streptozotocin/nicotinamide-induced type 2 diabetes. *Journal of Nutrition*. 2006; 136(6): 1472-1476.

Christie, W.W. Tocopherols and tocotrienols: structure, composition, biology, and analysis. *AOCS Lipid Library*. 2014: 1-8.

Chun, J., Lee, J., Ye, L., Exler, J., Eitenmiller, R.R. Tocopherol and Tocotrienol contents of raw and processed fruits and vegetables in the United State diet. *Journal of Food Composition and Analysis*. 2006; 19: 196–204.

Chun, K. S., Surh, Y. J. Signal transduction pathways regulating cyclooxygenase-2 expression: potential molecular targets for chemoprevention. *Biochemical Pharmacology*. 2004; 68: 1089–1100.

Diack, M. and Saska, M. Separation of vitamin E and  $\gamma$ -oryzanol from rice bran oil by normal phase chromatography. *Journal of the American Oil Chemists' Society*. 1994; 71: 1211–1217.

Elson, C.E. Tropical oils: nutritional and scientific issue. *Critical Reviews in Food Science & Nutrition*. 1992; 31(1–2): 79–102.

Evershed, R.P., Spooner, N., Prescott, M.C., Goad, L.J. Isolation and characterization of intact steryl ferulates from seeds. *Journal of Chromatography A*. 1988; 440: 23–35.

Guthrie, N., Gapor, A., Chamber, A.F., Carroll, K.K. Inhibition of proliferation of estrogen receptor-negative MDA-MB-435 and –positive MCF-7 human breast cancer cells by palm oil tocotrienols and tamoxifen, alone and in combination. *Journal of Nutrition*. 1997; 127(3): 544S–548S.

Huang, S.H. and Ng, L.T. Quantification of tocopherols, tocotrienols, and  $\gamma$ -oryzanol contents and their distribution in some commercial rice varieties in Taiwan. *Journal of Agricultural and Food Chemistry*. 2011; 59: 11150–11159.

Ima-Nirwana, S., Kiftiah, A., Sariza, T., Abd. Gapor, M.T., Khalid, B.A.K. Palm vitamin E improves bone metabolism and survival rate in thyrotoxic rats. *General Pharmacology*. 1999; 32: 621–626.

Irakli, M.N., Samanidou, V.F., Papadoyannis, I.N. Optimization and validation of the reversed-phase high-performance liquid chromatography with fluorescence detection method for the separation of tocopherol and tocotrienol isomers in cereals, employing a novel sorbent material. *Journal of Agricultural and Food Chemistry*. 2012, 60: 2076–2082.

Jang, S. and Xu, Z. Lipophilic and hydrophilic antioxidants and their antioxidant activities in purple rice. *Journal of Agricultural and Food Chemistry*. 2009; 57: 858–862.

Junginger, H.E. Oral application of pulsatile delivery. *European Journal of Hospital Pharmacy*. 1993; 3(2): 48–56.

Khanna, S., Roy, S., Parinandi, N.L., Maurer, M., Sen, C.K. Characterization of the potent neuroprotective properties of the natural vitamin E alpha-tocotrienol. *Journal of Neurochemistry*. 2006; 1474–1486.

Khuwjjitjaru, P., Yuenyong, T., Pongsawatmanit, R., Adachi, S. Degradation kinetics of gamma-oryzanol in antioxidant-striped rice bran oil during thermal oxidation. *Journal of Oleo Science*. 2009; 58(10): 491–497.

Kim, D.O., Heo, H.J., Kim, Y.J., Yang, H.S., Lee, C.Y. Sweet and sour cherry phenolics and their protective effects on neuronal cells. *Journal of Agricultural and Food Chemistry*. 2005. 53(26): 9921–9927.

Krishna, A.G.G., Khatoon, S., Shela, P.M., Sarmandal, C.V., Indira, T.N., Mishra, A. Effect of refining of crude rice bran oil on the retention of oryzanol in the refined oil. *Journal American Oil Chemist's Society*. 2006; 78: 127–131.

Leskova, E., Kubikova, J., Kovacikova, E., Kosicka, M., Pobruska, J., Holcikova, M. Vitamin lossws: retention during heat treatment and continual change expressed by mathematical models. *Journal of Food Composition and Analysis*. 2006; 19(4): 252–276.

Masturah M., Harcharran S., Masitah H. Supercritical CO<sub>2</sub> fractionation of crude oil palm. *Journal of Supercritical Fluids*. 2001; 20: 45–53.

McCaskill, D.R. and Zhang, F. Use of rice bran oil in food. *Food Technology*. 1999; 53(2): 50–53.

Mo, H. and Elson, C.E. Apoptosis and cell-cycle arrest in human and murine tumor cells are initiated by isoprenoids. *Journal of Nutrition*. 1999; 129(4): 804–813.

Moldovan, B., David, L., Chisbora, C., Cimpoi, C. Degradation kinetics of anthocyanins from European cranberrybush (*Viburnum opulus* L.) fruit extracts. Effects of temperature, pH and storage solvent. *Molecule*. 2012; 17: 11655–11666.

Nakasaka, R., Chotimarkorn, C., Shafiqul, I. M., Hori, Masatoshi, H., Ozaki, H., Ushio, H. Anti-inflammatory effects of hydroxycinnamic acid derivatives. *Biochemical and Biophysical Research Communications*. 2007; 358: 615–619.

Nesaretnam, K., Guthrie, N., Chambers, A.F., Carroll, K.K., Effect of tocotrienols on the growth of a human breast cancer cell line in culture. *Lipids*. 1998; 30(12): 1139–1143.

Nesaretnam, K., Dorasamy S., Darbre, P.D. Tocotrienols inhibit growth of ZR-75-1 breast cancer cells. *International Journal of Food Science and Nutrition*. 2000; 51: S95–103.

Nesaretnam, K., Stephen, R., Dils, R., Darbre, P. Tocotrienols inhibit the growth of human breast cancer cells irrespective of estrogen receptor status. *Lipids*. 1998; 33(5): 461–169.

Nijveldt, R.T., Nood, E.V., Hoorn, D.E.C., Boelens, P.G., Norren, K.V., Leeuwen, P.A.M. Flavonoids: a review of probable mechanisms of action and potential applications. *The American Journal of Clinical Nutrition*. 2001; 74: 418–425.

Niki, E., Yoshida, Y., Saito, Y., Noguchi, N. Lipid peroxidation: mechanism, inhibition, and biological effects. *Biochemical and Biophysical Research Communications*. 2005; 338: 668–676.

Norton, R.A. Quantitation of steryl ferulate and p-coumarate esters from corn and rice bran. *Lipids*. 1995; 30: 269–274.

Oliveira, R., Oliveira, V., Aracava, K.K., Christianne, E.C.R. Effect of extraction condition on the yield and composition of rice bran oil extracted with Ethanol-A response surface approach. *Food and Bioproducts Processing*. 2012; 90: 22–31.

Parker, R.A., Pearce, B.C., Clark, R.W., Gordon, D.A., Wrigth, J.J. Tocotrienols regulate cholesterol production in mammalian cells by post-transcriptional suppression of 3-hydroxy-3-methylglutaryl-coenzyme A reductase. *Journal of Biochemical Chemistry*. 1993; 268(15): 11230–11238.

Pearce, B.C., Parker, R.A., Deason, M.E., Qureshi, A.A., Wright, J.J. Hypocholeserolemic activity of synthetic and natural tocotrienols. *Journal of Medicinal Chemistry*. 1992; 35(20): 3595–3606.

Pearce, B.C., Parker, R.A., Deason, M.E., Dischino, D.D., Gillespie, E., Qureshi, A.A., Volk, K., Wright, J.J. Inhibitors of cholesterol biosynthesis. 2. Hypocholesterolemic and antioxidant activities of benzopyran and tetrahydronaphthalene analogues of the tocotrienols. *Journal of Medicinal Chemistry*. 1994; 37(4): 526–541.

Qureshi, A.A., Burger, W.C., Peterson, D.M., Elson, C.E. The structure of an inhibitor of cholesterol biosynthesis isolated from barley. *Journal of Biological Chemistry*. 1986; 261(23): 10544–10550.

Qureshi, A.A., Mo, H., Packer, L., Peterson, D.M. Isolation and identification of novel tocotrienols from rice bran with hypocholesterolemic, antioxidant, and antitumor properties. *Journal of Agricultural & Food Chemistry*. 2000; 48(8): 3130–3140.

Qureshi, A.A., Qureshi, N., Hasler-Rapacz, J.O., Weber, F.E., Chaudhary, V., Crenshaw, T.D., Gapor, A., Ong, A.S., Chong, Y.H., Peterson, D. Dietary tocotrienols reduce concentrations of plasma cholesterol, apolipoprotein B, thromboxane B<sub>2</sub>, and platelet factor 4 in pigs with inherited hyperlipidemias. *American Journal of Clinical Nutrition*. 1991a; 53: 1042S–1046S.

Qureshi, A.A., Peterson, D.M., Hasler-Rapacz, J.O., Rapacz, J. Novel tocotrienols of rice bran suppress cholesterologenesis in hereditary hypercholesterolemic swine. *Journal of Nutrition*. 2001a; 131(2): 223–230.

Rogers, E.J., Rice, S.M., Nicolosi, R.J., Carpenter, D.R., McClelland, C.A., Romanczyk Jr., L.J. Identification and quantitation of  $\gamma$ -oryzanol components and simultaneous assessment of tocopherols in rice bran oil. *Journal of Agricultural and Food Chemistry*. 1993; 70(3): 301–307.

Rosenberg, M. and Sheu, T. Y. Microencapsulation of volatiles by spray-drying in whey protein-based wall systems. *International Dairy Journal*. 1996; 6(3): 273–284.

Rozzi N.L., Phippen W., Simon J.E., Singh R.K. Supercritical fluid extraction of essential oil components from lemon-scented botanicals. *Lebensmittel-Wissenschaft und-Technologies*, 2002; 35(4): 319–324.

Saenjum, C., Chaiyasut, C., Kadchumsang, S., Chansakaow, S., Suttajit, M. Antioxidant activity and protective effects on DNA damage of *Caesalpinia sappan* L. extract. *Journal of Medicinal Plants Research*. 2010; 4: 1596–1600.

Sayre, B. and Saunders, R. Rice bran and rice bran oil. *Lipid Technology*. 1990; 2: 72–76.

Sastray, S.V., Nyshadham, J.R., Fix, J.A. Recent technological advances in drug delivery—a review. *Pharmaceutical Science & Technology Today*. 2000; 3(4): 138–145.

Seetharamaiah G.S. and Prabhakar J.V. Oryzanol content of Indian rice bran oil and its extraction from soap stock. *Journal Food Science and Technology*. 1986; 23: 270–273.

Seitz L.M. Stanol and sterol esters of ferulic and *p*-coumaric acids in wheat, corn, rye, and triticale. *Journal of Agricultural and Food Chemistry*. 1989; 37: 662–667.

Shen, Y., Jin, L., Xiao, P., Lu, Y., Bao, J. Total phenolics, flavonoids, antioxidant capacity in rice grain and their relation to grain color, size and weight. *Journal of Cereal Science*. 2010; 49: 106–111.

Shah, S., Gapor, A., Sylvester, P.W. Role of caspase-8 activation in mediating vitamin E-induced apoptosis in murine mammary cells. *Nutrition and Cancer*. 2003; 45(2): 236–246.

Shun, M.C., Yu, W., Gapor, A., Parsons, R., Atkinson, J., Sanders, B.G., Kline, K. Pro-apoptotic mechanisms of action of a novel vitamin E analog (alpha-TEA) and a naturally occurring form of vitamin E (delta-tocotrienol) in MDA-MB-435 human breast cancer cells. *Nutrition and Cancer*. 2004; 48(1): 95–105.

Sundram, K., Sambanthamurthi, R., Tan, Y.A. Palm fruit chemistry and nutrition. *Asia Pacific Journal of Clinical Nutrition*. 2003; 12(3): 355–362.

Xu, Z. and Godber, J. S. Purification and identification of components of  $\gamma$ -oryzanol in rice bran. *Journal of Agricultural Food Chemistry*. 1999; 47: 2724–2728.

Xu, Z. and Godber, J. S. Comparison of supercritical fluid extraction and solvent extraction methods in extracting  $\gamma$ -oryzanol from rice bran. *Journal of American Oil Chemist's Society*. 2000; 77(5): 547–551.

Verschoyle, R. D., Greaves, P., Cai, H., Edwards, R. E., Steward, W.P., Gescher, A. J. Evaluation of the cancer chemopreventive efficacy of rice bran in genetic mouse models of breast, prostate and intestinal carcinogenesis. *British Journal of Cancer*. 2007; 96: 248–254.

Yasutaka, I., Kibat, P. G., Langer, B. Optimization of a microencapsulated liposome system for enzymatically controlled release of macromolecules. *Journal of Control Release*. 1990; 14(3): 263–267.

Yasuji T., Takeuchi H., Kawashima Y. Particle design of poorly water-soluble drug substrate using supercritical fluid technologies. *Advance in Drug Delivery Review*. 2008; 388–398

York, P. Strategies for particle design using supercritical fluid technologies. *Pharmaceutical Science & Technology Today*. 1999; 2(11): 430–440.

Yu, F.L., Gapor, A., Bender, W. Evidence for the preventive effect of polyunsaturated phytol side chain in tocotrienols on 17 $\beta$ -estradiol epoxidation. *Cancer Detection Previews*. 2005; 29(4): 383–388.

Zhang, M.W., Zhang, R.F., Zhang, F.X., Liu, R.H. Phenolic Profiles and Antioxidant Activity of Black Rice Bran of Different Commercially Available Varieties. *Journal of Agricultural and Food Chemistry*. 2010; 58: 7580–7587.

Zullaikah, S., Melwita, E., Ju, Y.H. Isolation of oryzanol from crude rice bran oil. *Bioresource Technology*. 2009; 100(1): 299–302.