

DAFTAR PUSTAKA

- Abdul Mun'im, Retnosari Andrajati, Henis Susilowati. 2006. Uji hambatan tumorigenesis sari buah merah (*Pandanus connoideus* Lam.) terhadap tikus putih betina yang diinduksi 7,12 DimetilBenz(a)Antrasen (DMBA). *Majalah Ilmu Kefarmasian*, 3(3): 153 - 161
- Abraham C., Cho J.H. 2009. Inflammatory Bowel Disease. *NJEM*, 361(21): 2066-78.
- Arain M. A., Qadeer A.A. 2010. Systematic review on vitamin E and prevention of colorectal cancer. *J. Pharm. Sci*, 23(2): 125-30.
- Asehnoune K., Strassheim D., Mitra S., Kim J.Y., Abraham E. 2004. Involvement of reactive oxygen species in toll-like receptor 4-dependent activation of NF- κ B. *J Immunol*, 172: 2522-29.
- Bai S.K., Lee S.J., NaH.J., Ha K.S., Han J.A, Lee H., *et al.* 2005. β -Carotene inhibits inflammatory gene expression in lipopolysaccharide-stimulated macrophages by suppressing redox-based NF- κ B activation. *Exp. Mol. Med.*, 37(4): 323-34
- Balkwill F., Mantovani A. 2001. Inflammation and cancer: back to Virchow?. *The Lancet*, 357 (9255): 539-545.
- Bollrath J., Greten F.R. 2009. IKK/NF- κ B and STAT3 pathways: central signaling hubs in inflammation-mediated tumour promotion and metastasis. *EMBO Reports*, 10(12): 1314-19.
- Bouma G., Strober W. 2003. The immunological and genetic basis of inflammatory bowel disease. *Nat Rev Immunol*, 3(7): 521-33.
- Burstein E., Fearon E.R. 2008. Colitis and cancer: a tale of inflammatory cells and their cytokines. *J Clin Invest*, 118(2): 464-7.
- Carrier J., Aghdassi E., Cullen J., Allard J.P. 2002. Iron supplementation increases disease activity and vitamin E ameliorates the effect in rats with dextran sulfate sodium-induced colitis. *J. Nutr*, 132: 3146-50.
- Cho J.H. 2008. The genetics and immunopathogenesis of inflammatory bowel disease. *Nat Rev Immunol*, 8 (6): 458-66.
- Chua A.C.G., Kloplic B., Lawrance I.C., Olynyk J.K, Trinder D. 2010. Iron: An emerging factor in colorectal carcinogenesis. *World J Gastroenterol*, 16(6): 663-672.

- Colotta F., Allavena P, Sica A., Garlanda C., Mantovani A., 2009. Cancer-related inflammation, the seventh hallmark of cancer: links to genetic instability. *Carcinogenesis*, 30 (7): 1073–81.
- Danese S., Mantovani A. 2010. Inflammatory bowel disease and intestinal cancer: a paradigm of the yin–yang interplay between inflammation and cancer. *Oncogene*, 29: 3313–23.
- Drake R.L., Vogl W., Mitchell A.W.M. 2007. Gray's anatomy for student. Philadelphia: Elsevier Inc. p. 279-283.
- Dunn G.P., Koebel C.M., Schreiber R.D. 2006. Interferons, immunity and cancer immunoediting. *Nat Rev Immunol*, 6 (11): 839-48.
- Federico A., Morgillo F., Tuccillo C., Ciardiello F., Loguercio C. 2007. Chronic inflammation and oxidative stress in human carcinogenesis. *Int. J. Cancer*: 121: 2381-6.
- Gackowski D., Banaszkiwicz Z., Rozalski R., Jawien A., Olinski R. 2002. Persistent oxidative stress in colorectal carcinoma patients. *Int. J. Cancer*, 101: 395–7.
- Gartner L.P., Hiatt J.L. 2007. *Color Textbook of Histology*. 3th ed. Philadelphia : W.B Saunders Company.p.398-409
- Ghosh S., Hayden M. 2008. New regulators of NF- κ B in inflammation. *Nature Rev Immunol*, 8: 837-848.
- Gommeaux J., Cano C., Garcia S., Gironella M., Pietri S., Culcasi M., *et al.* 2007. Colitis and colitis-associated cancer are exacerbated in mice deficient for tumor protein 53-induced nuclear protein 1. *Mol Cell Biol*, 27(6): 2215-28.
- Greten F.R., Eckmann L., Greten T.F., *et al.* 2004. IKK β links inflammation and tumorigenesis in a mouse model of colitis-associated cancer. *Cell*, 118:285-296.
- Grivennikov S., Greten F.R., Karin M. 2010. Immunity, inflammation, and cancer. *Cell*, 883-99.
- Halliwell B. 2007. Oxidative stress and cancer: have we moved forward?. *Biochem. J*, 401: 1–11
- Hana Ratnawati, Khie Khiong, Sylvia Soeng, Sri Utami Sugeng, Evan Kristiono, Shella Hudaya. 2008. Pengaruh Ekstrak Buah Merah (Pandanus conoideus Lam.) terhadap Berat Limpa, Jumlah dan Proliferasi Limfosit pada Mencit Jantan Galur Swiss-Webster yang Diinokulasi Listeria monocytogenes.

- Disampaikan dalam KONAS XII dan PIN PAAI (Perhimpunan Ahli Anatomi Indonesia) Jakarta, 20-21 Juni 2008.
- Hanahan D., Weinberg R.A., 2000. The hallmarks of cancer. *Cell*, 100: 57–70
- Harpaz N., Polydorides A.D. 2010. Colorectal dysplasia in chronic inflammatory bowel disease. *Arch Pathol Lab Med*, 134: 876-91.
- Hendra Wijaya., H.G. Pohan. 2009. Kajian teknis standar minyak buah merah (*Pandanus conoideus* Lam.). *Prosiding PPI Standardisasi* - Jakarta, 19 November 2009.
- Husnil Kadri. 2007. Pengaruh pemberian minyak buah merah (*Pandanus conoideus* Lam.) terhadap tekanan darah, protein urin dan Fe³⁺-transferin plasma pada tikus model preeklampsia. *Majalah Kedokteran Andalas*, 31 (2).
- I Made Budi. 2005. *Seri agrisehat buah merah*. Jakarta: Penebar Swadaya. Hal: 17-23.
- Ika Wahyuniari, Marsetyawan H.N.E Soesatyo, Muhammad Ghufon, Yustina, Andwi Ari Sumiwi, Sri Wiryawan. Minyak buah merah meningkatkan aktivitas proliferasi limfosit limpa mencit setelah infeksi listeria monocytogenes. *Jurnal Veteriner*, 10 (3) : 143-9.
- Inggrid S. Waspodo, Nishigaki T. 2007. Novel chemopreventive herbal plant buah merah (*pandanus conoideus* Lam.) for lung cancer. *PATPI Conference in Bandung*, July 17-18, 2007.
- Inggrid Surono, Nishigaki, T., Anang Endaryanto, Priyo Waspodo. 2008. Indonesian Biodiversities, from Microbes to Herbal Plants as Potential Functional Foods. *Shinshu Daigaku Nogakubu Kiyō*, 44(1-2): 23-27.
- Itzkowitz S.H., Yio X. 2004. Colorectal cancer in inflammatory bowel disease: the role of inflammation. *Am J Physiol Gastrointest Liver Physiol*, 287: 7-17.
- Karin M. 2008. The IκB kinase-a bridge between inflammation and cancer. *Cell Research*, 18: 334-342.
- Karin M., Greten F.R. 2005. NF-κB linking inflammation and immunity to cancer development and progression. *Nature Rev Immunol*, 5: 749-759.
- Karin, M., Cao, Y., Greten. F.R., Li Z.W. 2002NF-κB in cancer: from innocent bystander to major culprit. *Nat Rev Cancer*, 2: 301-310.
- Kemas Ali Hanafiah. 2000. *Rancangan percobaan: teori dan aplikasi*. Jakarta: Raja Grafindo Persada. Hal: 6-7.

- Khie Khiong, Hana Ratnawati, Sylvia Soeng, Shella Hudaya, Griselda. 2009. Pengaruh Buah Merah terhadap Proliferasi Limfosit dan Kadar IFN- γ pada Mencit yang Diinokulasi dengan *Listeria monocytogenes*. Simposium Penelitian Bahan Obat Alami XIV & Muktamar XI PERHIPBA. 11-12 Agustus 2009. Jakarta.
- Khie Khiong, Hana Ratnawati, Sylvia Soeng, Sri Utami Sugeng, Elsa Angelie, dan Michelle Nasser. 2008. Efek immunomodulator Buah Merah (*Pandanus Conoideus* Lam.) terhadap berat limpa, jumlah dan proliferasi limfosit pada mencit (*Mus musculus*) dalur DDY yang diinduksi colitis dengan DSS. Disampaikan dalam KONAS XII dan PIN PAAI (Perhimpunan Ahli Anatomi Indonesia) Jakarta, 20-21 Juni 2008.
- Kim T.W., Seo J.N., Suh Y.H., Park H.J., Kim J.H., Kim J.Y., *et al.* 2006. Involvement of lymphocytes in dextran sulfate sodium-induced experimental colitis. *World J Gastroenterol*, 12(2): 302-5.
- Kumar V., Abbas A.K, Fausto N., Mitchell R. 2007. Robbins Basic Pathology. 8th edition. Philadelphia : W.B Saunders Company. p.611-616; 617-630.
- Liao L., Seril D.N., Yang A.L., Lu G.G., Yang G.Y. 2007. Inhibition of chronic ulcerative colitis associated adenocarcinoma development in mice by inositol compounds. *Carcinogenesis*, 28 (2): 446–454.
- Lin W., Karin M. 2007. A cytokine-mediated link between innate immunity, inflammation, and cancer. *J Clin Invest*, 117(5): 1175-83.
- Lu H., Ouyang W., Huang C. 2006. Inflammation, a key event in cancer development. *Mol Cancer Res*, 4(4): 221-33.
- Luo J.L., Kamata H., Karin, M. 2005. IKK/ NF- κ B signaling: balancing life and death- a new approach to cancer therapy. *J Clin Invest*, 115(10): 2625-32.
- Macmud Yahya H., Bernard T. Wahyu Wiryanta, 2005. *Khasiat dan manfaat buah merah, si emas merah dari Papua*. Jakarta: Agro Media Pustaka. Hal 24-34.
- Mantovani A., 2009. cancer-related inflammation: the seventh hallmark of cancer. *American Society of Clinical Oncology*, p723-726.
- Markowitz S.D., Bertagnolli M.M. 2009. Molecular basis of colorectal cancer. *N Engl J Med*, 361(25): 2449-60.
- Meira L.B., Bugni J.M., Green S.L., Lee C., Pang B., Borenshtein D., *et al.* 2008. DNA damage induced by chronic inflammation contributes to colon carcinogenesis in mice. *J Clin Invest*, 118(7): 2516-25.

- Oyagbemi A.A., Azeez O., Saba A.B. 2009. Interactions between reactive oxygen species and cancer: the roles of natural dietary antioxidants and their molecular mechanisms of action. *Asian Pacific J Cancer Prev*, 10: 535-44.
- Palozza P., Serini S., Torsello A., Nicuolo F.D., Piccioni E., Ubaldi V., *et al.* 2003. β -Carotene regulates NF- κ B DNA-binding activity by a redox mechanism in human leukemia and colon adenocarcinoma cells. *J. Nutr.*, 133:381-8.
- Pasparakis M. 2009. Regulation of tissue homeostasis by NF- κ B signalling: implications for inflammatory diseases. *Nature Rev Immunology*, 9(11):778-88.
- Popivanova B.K., Kitamura K., Wu Y., Kondo T., Kagaya T., Kaneko K., *et al.* 2008. Blocking TNF- α in Mice Reduces Colorectal Carcinogenesis Associated with Chronic Colitis. *J Clin Invest*, 118 (2): 560-70.
- Potack J., Itzkowitz S.H. 2008. Colorectal Cancer in Inflammatory Bowel Disease. *Gut and Liver*, 2(2): 61-73
- Raju J., Swamy M.V., Cooma I., Patiolla J.M.R., Pittman B., Reddy BS., *et al.* 2005. Low doses of β -carotene and lutein inhibit AOM-induced rat colonic ACF formation but high doses augment ACF incidence. *Int J Cancer*, 113: 798-802.
- Ribeiro M.L., Priolli D.G., Miranda D.C., Arcari D.P., Pedrazzoli J. Martinez C.A.R. 2008. Analysis of oxidative DNA damage in patients with colorectal cancer. *Clinical Colorectal Cancer*, 7 (4): 267-272.
- Rohman A., Riyanto S., Yuniarti N., Saputra W.R., Utami R. Mulatsih W. 2010. Antioxidant activity, total phenolic, and total flavonoid of extracts and fractions of red fruit (*Pandanus conoideus* Lam.). *International Food research Journal*, 17: 97-106.
- Rosenberg D., Giardina C., Tanaka T. 2009. Mouse models for the study of colon carcinogenesis. *Carcinogenesis*, 30(2): 183-96.
- Seril D.N. Liao J., Yang G.Y., Yang C.S. 2003. Oxidative stress and ulcerative colitis-associated carcinogenesis: studies in humans and animal models. *Carcinogenesis*, 23(3): 353-62.
- Snell R.S. 2008. *Clinical anatomy*. 8th Edition. Philadelphia: Lippincott Williams & Wilkins. p. 204.
- Strober W., Fuss I., Mannon P. 2007. The fundamental basis of inflammatory bowel disease. *J Clin Invest*, 117(3): 514–21.

- Surh Y.J., Kundu J.K., Na H.K., Lee J.S. 2005. Redox-sensitive transcription factors as prime targets for chemopreventive with anti-inflammatory and antioxidative phytochemicals. *J Nutr*, 135: 2993-3001.
- Suzuki R., Kohno H., Sugie S., Nakagama H., Tanaka T. 2006. Strain differences in the susceptibility to azoxymethane and dextran sodium sulfate-induced colon carcinogenesis in mice. *Carcinogenesis*, 27(1): 162-9.
- Swann J.B., Smyth M.J. 2007. Immune surveillance of tumors. *J Clin Invest*, 117(5) : 1137-46.
- Tak P.P., Firestein G.S. 2001. NF- κ B: a key role in inflammatory diseases. *J Clin Invest*, 107:7-11.
- Tan P.H., Sagoo P., Chan C., Yates J.B., Campbell J., Beutelspacher S.C., *et al.* 2005. Inhibition of NF- κ B and oxidative pathways in human dendritic cells by antioxidative vitamins generates regulatory T cells. *J Immunol*, 174: 7633-44.
- Tanaka T. 2009. Colorectal carcinogenesis: Review of human and experimental animal studies. *Journal of Carcinogenesis*, 8(5): 1-19.
- Tanaka T., Kohno H., Suzuki R., Yamada Y., Sugie S., Mori H. 2003. A novel inflammation-related mouse colon carcinogenesis model induced by azoxymethane and dextran sodium sulfate. *Cancer Sci*, 24(11): 965-73.
- Vakkila J., Lotze M.T. 2004. Inflammation and necrosis promote tumour growth. *Nature Rev Immunol*, 4: 641-648.
- Valko M., Rhodes C.J., Moncola J., Izakovic M., Mazura M. 2006. Free radicals, metals and antioxidants in oxidative stress-induced cancer. *Chemico-Biological Interactions*, 160: 1-40
- Wang S., Liu Z., Wang L., Zhang X. 2009. NF- κ B signaling Pathway, inflammation and colorectal cancer. *Cellular & Molecular Immunology*, 6(5): 327-34.
- Wilson A.P.J. 2009. Tumor Necrosis Factor- α and Colitis-Associated Colon Cancer. *N Engl J Med*, 358(25): 2733-4.
- Xavier R. J., Podolsky D. K. 2007. Unravelling the pathogenesis of inflammatory bowel disease. *Nature*, 448: 427-34.
- Yamamoto Y., Gaynor R.B. 2001. Therapeutic potential of inhibition of the NF- κ B pathway in the treatment of inflammation and cancer. *J Clin Invest*, 107:135-42.
- Yoshimura A. 2006. Signal transduction of inflammatory cytokines and tumor development. *Cancer Sci.*, 97(6): 439-47.