

DAFTAR PUSTAKA

- Abe, H., Akihiko, S., Mika, I., Yasuko, F., Aya, U., Mayu, Y., Yasukazu, Y., Shigehiko, O., Shingo, S., Noriko, I., Mototada, S., Yoshihiro, N. 2018. Yuzu (*Citrus junos Tanaka*) Peel Attenuates Dextran Sulfate Sodium-induced Murine Experimental Colitis. *Journal of Oleo Science*. 67.(3):335-344.
- Adrian, F., Dalimarta S. 2013. *Fakta Ilmiah Buah & Sayur*. Jakarta: Penebar Plus.
- Agustina, Ri., Indrawati, D.T., dan Masruhin, M.A. 2015. Aktivitas Ekstrak Daun Salam (*Eugenia poyantha*) Sebagai Antiinflamasi Pada Tikus Putih (*Rattus norvegicus*). *J. Trop. Pharm. Chem.* 3. (2):120-123.
- Alam, M.A., Subhan, N., Rahman, M.M., Uddin, S.J., Reza, H.M., Sarker, S.D., . 2014. Effect of citrus flavonoids, naringin and naringenin, on metabolic syndrome and their mechanisms of action. *Advances in Nutrition*. 5. (4):404-417.
- Ani, P.N., and Abel, H.C., 2018. Nutrient, Phytochemical, and Antinutrient Composition of *Citrus maxima* Fruit Juice and Peel Extract. *Food Science & Nutrition*. 1–6.
- Aquino, E.H., Muriel, P. 2017. Naringenin and the Liver. *Academic Press Liver Pathophysiology (Therapies and Antioxidant)*. Chapter 46. 633-651
- Azuma, T., Shigeshiro, M., Kodama, M., Tanabe, S., Suzuki, T. 2013. Supplemental naringenin prevents intestinal barrier defects and inflammation in colitic mice. *J Nutr.* 143(6):827-834.
- Bailey, R.W., dan Bourney, E.J., 1961. Intracellular Glycosides of Dextran Producing Bacteria. *Nature*. 191: 277–278.
- Bing, X.I.A., Crusius, J.B.A., Meuwissen, S.G.M, Pena, A.S. 1998. Inflammatory bowel disease: definition, epidemiology, etiologic aspects, and immunogenetic studies. *WJG*. 4. (5):446-458
- Bocco, A., Cuvelier, M.E., Richard, H., and Berset, C. 1998. Antioxidant activity and phenolic composition of citrus peel and seed extracts. *Journal of Agriculture and Food Chemistry*. 46. 2123–2129.
- BPOM, 2014. Kebun Tanaman Obat Badan POM RI. http://www.pom.go.id/pom/berita_aktual/data/ktobpom.pdf. Diakses pada 25 November 2020.
- Bylund, F.A.C., Landström, E., Axelsson, L.G., and Midtvedt, T. 1994. Experimental colitis induced by dextran sulfate in normal and germfree mice. *Microbial Ecology in Health and Disease*. 7:207-215.
- Carvalho, A., Guedes, M., de Souza, A., Trevisan, M., Lima, A., Santos, F., Rao, V., 2007. Gastroprotective Effect of Mangiferin, a Xanthonoid from *Mangifera Indica*, against Gastric Injury Induced by Ethanol and Indomethacin in Rodents. *Planta Med.* 73. 1522–1522.
- Chassaing, B., Jesse D. Aitken, Madhu Malleshappa, and Matam Vijay-Kumar. 2014. Dextran Sulfate Sodium (DSS)-Induced Colitis in Mice. *Wiley Online Library*. wileyonlinelibrary.com

- Cirmi, S.N.F., Lombardo, G., Maugeri, A., Calapai, G., Gangemi, S., Navarra, M. 2016. Chemopreventive agents and inhibitors of cancer hallmarks: may Citrus offer new perspectives. *Nutrients*. 8. (11):698
- Cooper, H.S., Murthy, S.N.S., Shah, R.S., Sedergran, D.J. 1993. Clinicopathologic study of dextran sulfate sodium experimental murine colitis. *Lab Invest*. 69:238–249.
- Cummings, D.E. 2006. Ghrelin and the Short- and Longterm Regulation of Appetite and Body Weight. *Physiology & Behavior*. 89:71–84.
- da Silva BC, Lyra AC, Rocha R, Santana GO. 2014. Epidemiology, demographic characteristics and prognostic predictors of ulcerative colitis. *World J Gastroenterol: WJG*. 20. (28):9458.
- Dalimartha, S. and Soedibyo, M. 1999. *Awet Muda Dengan Tumbuhan Obat dan Diet Suplemen*. Jakarta: Trubus Agriwidya. hal. 36-40.
- Danese, S. and Fiocchi, C. 2011. Ulcerative Colitis. *N Engl J Med*. 365:1713-25
- De Smet B, Thijs T, Moechars D,. 2009. Endogenous and exogenous ghrelin enhance the colonic and gastric manifestations of dextran sodium sulphate-induced colitis in mice. *Neurogastroenterol Motil*. 21:59–70.
- De Smet, B, Thijs, T, Moechars, D. 2006. The role of endogenous ghrelin in acute and chronic DSS-induced colitis in mice. *Gastroenterology*. 130:A229.
- Elson, C.O, Sartor, R.B, Tennyson, G.S, Riddel, R.H. 1995. Experimental models of inflammatory bowel disease. *Gastroenterology*. 109:1344–1367.
- Farhadi, A., Banan, A., Fields, J., Keshavarzian, A. 2003. Intestinal barrier: An interface between health and disease. *J. Gastroenterol. Hepatol*. 18: 479–497.
- Fattouch, S., Caboni, P., & Coroneo, V. 2007. Antimicrobial activity of Tunisian quince (*Cydonia oblonga* Miller) pulp and peel polyphenolic extracts. *Journal of Agriculture and Food Chemistry*. 55: 963–969.
- Federer, W., 1963. Experimental Design, Theory And Application. New York: Mac Millan.
- Friedman, J.M. 2009. Leptin at 14 y of age: An ongoing story. *Am J Clin Nutr*. 89(3):973–9.
- Gholap, P. A., Sunil, N. A., Shashikant, R. P., Subodh, C. P., Subhash, C. M. 2012. Potential of *Moringa oleifera* root and *Citrus sinensis* fruit rind extracts in the treatment of ulcerative colitis in mice. *Journal of Pharmaceutical Biology*. 50. (10):1297–1302.
- Gorinstein, S., Haruenkit, R., Park, Y.S., Jung, S.T., Zachwieja, Z., Jastrzebski, Z., Katrich, E., Trakhtenberg, S., Belloso, O.M. 2004. Bioactive compounds and antioxidant potential in fresh and dried Jaffa sweets, a new kind of citrus fruit. *J Sci Food Agric*. 84. (12):1459–63.
- Gunawan, E. 2011. Efek Kuratif Minyak Buah Merah (*Pandanus conoideus* Lam.) Terhadap Gambaran Histopatologis Kolon pada Mencit Model Kolitis Ulserativa. *Skripsi*. Bandung: Universitas Kristen Maranatha.
- Guo, K., Ren, J., Gu, G., Wang, G., Gong, W., Wu, X., Ren, H., Hong, Z., Li, J. 2019. Hesperidin Protects Against Intestinal Inflammation by Restoring Intestinal Barrier Function and Up-Regulating Treg Cells. *Mol Nutr Food Res*. 63(11):e1800975.

- Hock, M., Sotk, M., Kmet, M., and Pacha, J. 2011. The Early of Dextran Sodium Sulphate Administration on Carbachol-Induced Short in Distal and Proximal Colon During Colitis Development. *Physiol. Res.* 60: 921–931.
- Indonesia Society of Gastroenterology (ISG). 2011. National consensus of the management of inflammatory bowel disease in Indonesia. Jakarta: ISG
- Iwanaga, T., Hoshi, O., Han, H., Fujita, T. 1994. Morphological analysis of acute ulcerative colitis experimentally induced by dextran sulphate sodium in the guinea pig: some possible mechanisms of caecal ulceration. *J Gastroenterol.* 29:430–438.
- Jantchou, P., Morois, S., Clavel-Chapelon, F., Boutron-Ruault, M.C., Carbonnel, F. 2010. Animal protein intake and risk of inflammatory bowel disease: the E3N prospective study. *Am J Gastroenterol.* 105:2195e201.
- Kang, Y., Xue, Y., Du, M., Zhu, M-J. 2017. Preventive effects of Goji berry on dextran-sulfate-sodium-induced colitis in mice. *J. Nutr. Biochem.* 40: 70–76.
- Kaplan, G.G. 2015. The global burden of IBD: from 2015 to 2025. *Nat Rev Gastroenterol Hepatol.* 12:720e7.
- Karayıldırım, C.K. 2017. Characterization and in vitro Evolution of Antibacterial Efficacy of Novel Hesperidin Microemulsion. *Journal of Science.* 13. Issue 4:943-947.
- Khatun, M., Egucgi, S., Yamaguchi, T., Takamura, H and Matoba, T. 2006. Effect of Thermal Treatment on Radical Scavenging Activity of Some Species. *Journal Food. Sci. Technol Res.* 12. (3): 178–185.
- Kim, Y.S. and Ho, S.B. 2010. Intestinal Goblet Cell and Mucins in Health and Disease : Recent Insight and Progress. *Curr Gastroenterol.* 12: 319–330.
- Kitajima, S., Tahuma, S., and Marimoto, M. 1999. Change in Colonic Mucosal Permeability in Mouse Colitis Induced with Dextraan Sulfate Sodium. *Exp Anim.* 48: 137–143.
- Konsensus Nasional Penatalaksanaan Inflammatory Bowel Disease (IBD) di Indonesia. 2011. Jakarta: Perkumpulan Gastroenterologi Indonesia.
- Leeson, T. S., C. R, Leeson., and A, Paparo,. 1996. *Buku Ajar Histologi*. Edisi 5. Jakarta: Penerbit kedokteran ECG.
- Li, J., Ren, S., Han, S., Li, N. 2014. A yeast bioassay for direct measurement of thyroid hormone disrupting effects in water without sample extraction, concentration, or sterilization. *Chemosphere.* 100:139e45.
- Lu, W.J., Ferlito, V., Xu, C., Flockhart, D.A., Caccamese, S., Chimiche, S., et al., 2011. Enantiomers of naringenin as pleiotropic, stereoselective inhibitors of cytochrome P450 isoforms. *Chirality.* 896:891–896.
- Luettig, J., Rosenthal, R., Barmeyer, C, and Schulzke, J.D., 2015. Claudin-2 as a Mediator of Leaky Gut Barrier During Intestinal Inflammation. *Tissue Barriers.* 3. 1–2. www.landesbioscience.com.
- Marey, S. and Shoughy, M., 2016. Effect of temperature on the drying behavior and quality of citrus peels. *International Journal of Food Engineering*, 12(7), 661–671.
- Mayangsari, Y., Suzuki T. 2018b. Resveratrol ameliorates intestinal barrier defects and inflammation in colitic mice and intestinal cells. *Journal of Agricultural and Food Chemistry.* 66. (48). 12666–12674.

- Mayangsari, Y., Suzuki, T. 2018a. Resveratrol enhances intestinal barrier function by ameliorating barrier disruption in Caco-2 cell monolayers. *Journal of Functional Foods*. 51: 39–46.
- Mescher, A.L. 2012. *Histologi Dasar Junquiera. Teks dan atlas*. Jakarta: Penerbit buku kedokteran EGC.
- Murray, B. 2007. Hydration and physical performance. *J. Am. Coll. Nutr.* 26(5):5428-5488
- Nuraini, D.N. 2011. *Aneka Manfaat Kulit Buah dan Sayuran – Manfaat dan Cara Pemakaian*. Yogyakarta: C.V ANDI OFFSET.
- Octaviani, L.F., 2014. Pengaruh Berbagai Konsentrasi Gula terhadap Aktivitas Antioksidan dan Tingkat Penerimaan Sari Buah Buni (*Antidesma bunius*). *Skripsi*. Fakultas Pertanian. Universitas Diponegoro, Semarang.
- Pari, L., Amudha, K. 2011. Hepatoprotective role of naringin on nickelinduced toxicity in male Wistar rats. *Eur. J. Pharmacol.* 650. 364e370.
- Pine, S.H., J.B. Hendrickson, D.J Cram dan G.S Hammond. 1998. *Kimia Organik*. Bandung: Penerbit ITB.
- Pokorny, J., Yanishlieva, N., and Gordon, M. 2001. *Antioxidant in Food: Practical Application*. New York: CRC Press Cambridge.
- Pusat Data dan Sistem Informasi Pertanian. 2015. *Outlook Jeruk*. Sekretariat Jenderal-Kementrian Pertanian. ISSN 1907-1507.
- Rahmawati, A. dan Putri, W.D.R., 2013. Karakteristik ekstrak kulit jeruk bali menggunakan metode ekstraksi ultrasonik (kajian perbandingan lama blansing dan ekstraksi). *Jurnal Pangan dan Agroindustri*. (1):26-35.
- Rahmawati, Ani, dan Putri, W, D, R., 2013. Karakteristik Ekstrak Kulit Jeruk Bali Menggunakan Metode Ekstraksi Ultrasonik (Kajian Perbandingan Lama Blansing dan Ekstraksi). *Jurnal pangan dan Agroindustri*. 1. (1): 26–35.
- Robbins, S.L., Kumar, V., dan Cotran, R.S. *Buku Ajar Patologi*. 2007. Jakarta: Penerbit Buku Kedokteran EGC. 7(1): 35-37, 50-53.
- Shalini, R., and Gupta, D. K. 2010. Utilization of pomace from apple processing industries: A review. *Journal of Food Science and Technology*. 47. (4): 365–371.
- Sherwood, L. 2013. *Fisiologi Manusia dari Sel ke Sistem*. Terjemahan oleh Brahm U pendit. Jakarta : Penerbit Buku Kedokteran EGC.
- Sofia, D. 2003. *Antioksidan dan Radikal Bebas*. FMIPA Universitas Lampung. Lampung.
- Solomon, L., Mansor, S., Mallon, P., Donnelly, E., Hopper, M., Loughrey, M., Kirk, S., dan Gardiner, K., 2010. The Dextran Sulphate Sodium (DSS) Model of Colitis: an overview. *Com Clin Pathol*. 19: 235–239.
- Subramanian R, Palanivel Subbramaniyan, dan Vairamuthu Raj. 2013. Antioxidant Activity of the Stem Bark of *Shorea roxburghii* and Its Silver Reducing Power. *SpringerPlus*. 2: 28.
- Sudarmadji, S., Haryono, B. dan Suhardi. 1997. *Analisa Bahan Makanan dan Pertanian*. Yogyakarta: Liberty.
- Sudarmadji, S., Bambang H., & Suhardi. 1997. *Prosedur Analisa Untuk Bahan Makanan Dan Pertanian*. Yogyakarta: Liberty.

- Sugiarto. 2016. Hubungan Inflammatory Bowel Disease dengan Kanker Kolorektal. *Jurnal Kedokteran dan Kesehatan*. Edisi Suplemen.61-74.
- Suzuki, T. 2013. Regulation of intestinal epithelial permeability by tight junctions. *Cancer Res*. 70. 631–659.
- Tamaru, T., Kobayashi ,H., Kishimoto, S., Kajiyama, G., Shimamoto, F., Brown, W.R. 1993. Histochemical study of colonic cancer in experimental colitis of rats. *Dig Dis Sci*. 38: 529–537.
- Tinh, N.T.T., Sitolo, G.C., Yamamoto, Y., Suzuki, T. 2021. Citrus limon Peel Powder Reduces Intestinal Barrier Defects and Inflammation in a Colitic Murine Experimental Model. *Foods*. 10. 240.
- Treuting, P. M., and Dintzis, S. M., 2012. Comparative Anatomy and Histology a Mous and Human Atlas. London: British Library Cataloguing in Publication Data.
- Ueno H, Yamaguchi H, Kangawa K, dan Nakazato M, 2005. Ghrelin: a gastric peptide that regulates food intake and energy homeostasis. *Regulatory Peptides*. 126:11–19.
- Vijaylakshmi, P., and Radha, R., 2015. An overview: *Citrus maxima*. *Journal of Phytopharmacology*. 4. (5): 263-267.
- Wang, M., Chao, P.L.E.E., Hou, Y., Hsiu, S., Wen, K., Tsai, S., 2006. Pharmacokinetics and conjugation metabolism of naringin and naringenin in rats after single dose and multiple dose administrations. *J. Food Drug Anal*. 14. 247e253.
- Xiong, Haijun, et al. (2019). Hesperidin: A Therapeutic Agent For Obesity. *International Journal of Drug Design and Therapy*. 13. (12): 3855- 3866.
- Yamada M, Ohkusa T, Okayasu I. 1992. Occurrence of dysplasia and adenocarcinoma after experimental chronic ulcerative colitis in hamsters induced by dextran sulphate sodium. *Gut*. 33: 1521–1527.
- Yen, F.L., Wu, T.H., Lin, L.T., Cham, T.M., Lin, C.C. 2009. Naringeninloaded nanoparticles improve the physicochemical properties and the hepatoprotective effects of naringenin in orally-administered rats with CCl4-induced acute liver failure. *Pharm. Res*. 26. 893e902.
- Zhao. D., Zhan. Y., and Zeng. H., 2006. Ghrelin stimulates interleukin-8 gene expression through protein kinase C-mediated NF-kappaB pathway in human colonic epithelial cells. *J Cell Biochem*. 97:1317–1327.
- Zuccotti GV, Meneghin F, Raimondi C. 2008. Probiotics in clinical practice: an overview. *J Inter Med Res*. 36. (1): 1A–53A
- Zuraida., Sulistyani., Dondin, S., dan Irma, H.P., 2017. Fenol, Flavnoid, dan Aktivitas Antioksidan pada Ekstrak Kulit Batang Pulai (*Aalstonia scholaris R.Br*). *Jurnal Penelitian Hasil Hutan*. 35. (3): 211-219.