

DAFTAR PUSTAKA

- Abbas, A.K., dan Lichtman, A.H. 2004. *Basic Immunology: Functions and Disorders of the Immune System, 2nd Edition.* Saunders. Philadelphia. 27, 34-37, 44, 108, 114-116.
- Andayani, R., L. Yovita, dan Maimunah. 2008. *Penentuan aktivitas antioksidan, kadar fenolat total dan likopen pada buah Tomat (Solanum lycopersicum l).* J. Sains dan Teknologi Farmasi,13(1): 31-37.
- Arifin, H., Widianingsih, I, dan Marusin, N. 2007. Pengaruh Pemberian Akut Ekstrak Etanol Daun Capo (*Blumea balsamifera (L)DC*) terhadap Gambaran Morfolofis dan Histologi Hati Mencit Putih Jantan. *J. Sains Tek. Far.*, 12(2).
- Astuti, S. 2008. Isoflavon Kedelai dan Potensinya Sebagai Penangkap Radikal Bebas. *Jurnal Teknologi Industri*.
- Aulann'i'am, A. Roosdiana, and N. L, Rahmah. 2012. The Potency of *Sargassum duplicatum* Bory Extract on Inflammatory Bowel Disease Therapy in *Rattus norvegicus*. *Journal of Life Sciences* (6) Pp. 144-154.
- Bacha, W., and Bacha, L. 2012. *Color Atlas Veterinary Histology Third Edition.* A John Wiley & Sons, Inc., Publication.
- Baratawidjaja, K. G., dan Rengganis, I. 2010. *Imunologi Dasar.* (Edisi ke-9). Jakarta: Balai Penerbit FK UI.
- Basivireddy, J. M., R. Jacob, R. Prabhu, A. B. Pulimood, and K. A. Balasubramanian. 2002. Indometachin-Induced Free Radical Mediated Changes in The Intestinal Brush Border Membranes. *Biochem Pharmacol.* 65: 683-695.
- Bengston, M. B., Bengtson, M. B., Solberg, I. C., Aamodt, G., Jahnsen, J., Moum. B, and Vatn, M.H. 2010. *Relationships Between Inflammatory Bowel Disease and Perinatal Factors: Both Maternal and Paternal Disease are Related To Preterm Birth Off Spring.* *Inflamm Bowel Dis;* 16(5): 847-55.
- Bernstein, C. N., Bernstein, C. N., Fried, M., Krabshuis, J H., Cohen, H., Eliakim, R., Fedail, S., Gearry, R., Goh, K. L., Hamid, S., Khan, . G., LeMair, A. W., Malfertheiner., Ouyang, Q., Rey, J. F., Sood, A., Steinwurz, F., Thomsen, O. O., Thomson, A., and Watermeyer, G. 2010. *World Gastroenterology Organization Practice Guidelines for the Diagnosis And Management of IBD in 2010.* *Inflamm Bowel Dis;* 16(1): 112-24.
- Bossuyt, X. 2006. *Serologic Markers in Inflammatory Bowel Disease.* *Clinical Chem;* 52(2):171-81.
- Bredo, R. M. 2011. Anatomy of the Liver In Wistar Rat (*Rattus norvegicus*). *Jurnal International J. Morphol.* Hal 77.



- Campbell, K. J., and N.D. Perkins. 2006. *Regulation of NF-kappaB Function*. Biocgem Soc Symp. 73:165-180.
- Corwin, E. J. 2001. *Buku Saku Patofisiologi*. Alih Bahas dr. Brahm U. Penerbit Sp KK. Jakarta: Penerbit Buku Kedokteran ECG.
- Crawfod, J. M. 2005. *Robin and Cotran Pathologic Basis of Disease* 7th. Philadelphia: Elsevier saunder,p. 878-81.
- Dalimartha, S. 2001. *Ramuan Traditional Untuk Pengobatan Hepatitis*. Jakarta: Penerbit Swadaya.
- Damayanti, D. S. 2015. Terapi Ekstrak Etanol Kulit Biji (*Pericarp*) Jambu Mete (*Anacardium occidentale*) terhadap gambaran histopatologi hati dan aktivitas enzim protease pada tikus (*Rattus norvegicus*) yang diinfeksi *Salmonella enteritidis* [Skripsi]. Fakultas Kedokteran Hewan. Universitas Brawijaya.
- Djojoningrat, D. 2006. *Inflammatory Bowel Disease*: Alur Diagnosis dan Pengobatannya di Indonesia. Dalam: Sudoyo AW dkk, editor. Buku Ajar Ilmu Penyakit Dalam. Jilid I. Edisi ke-4. Jakarta: Pusat Penerbitan Departemen Ilmu Penyakit Dalam FKUI; hal. 386-90.
- Eming, S. A., Krieg., Thomas, and Davidson, J. M. 2007. Inflammation in Wound Repair: Molecular and Cellular Mechanism. *Journal of Investigative Dermatology*, 27.
- European Comission, Directorate-General Health & Consumer Protection. 2000. *Possible Link Between Crohn's Disease and Paratuberculosis*. Report of the scientific Committee Health and Animal Welfare, April.
- Glickman, R. M. 2000. Penyakit Radang Usus (Kolitis Ulseratif dan penyakit Crohn). Dalam: Asdie AH. *Prinsip-prinsip Ilmu Penyakit Dalam*. Volume 4. Edisi ke-13. Jakarta: Penerbit Buku Kedokteran EGC; hal. 1577-91.
- Hall, D. M., Xu, L., Drake, V. J., Oberley, L. W., Oberley, T. D., Moseley, P. L., Kregel, K. C. 2000. Aging Reduces Adaptive Capacity and Stress Protein Expression in The Liver After Heat Stress. *Journal of Applied Physiology*. Vol. 89 No. 2: 749-759.
- Hamasaki, T., Kashiwagi, T., Imada, T., Nakamichi, N., Aramaki, S., and Toh, K. 2008. *Kinetic Analysis of Superoxide Anion Radical Scavenging and Hydroxyl Radical-Scavenging Activities of Platinum Nanoparticles*. Langmuir, 24, 7354e7364.
- Henry, M and Chambron, J. 2013. Physico-Chemical, Biological and Therapeutic Characteristics of Electrolyzed Reduced Alkaline Water (ERAW). *Journal of Water*.5: 2094-2115
- Houser, K., D.K. Johnson, and F.T. Ishmael. 2012. Antiinflamatory Effects of Methoxyphenolic Compounds on Human Airways Cells. *Journal of Inflammation*. 4(9).



- Indraswari, I., Umi, K., dan Sudjari. 2004. Pengaruh Pemberian Temulawak Pada Lambung Tikus Yang Mengalami Ulkus Peptikum Akibat Induksi Indometasin. *Jurnal Kedokteran Brawijaya*. Vol. XX, No.2, Malang.
- Indrayana, R. 2008. *Efek Antioksidan Ekstrak Etanol 70% Daun Salam (Syzygium Polianthum Walp.) pada Serum Darah Tikus Putih Jantan Galur Wistar yang Diinduksi Kabon Tetraklorida (CCl₄)*. Surakarta: Fakultas Farmasi Universitas Muhammadiyah Surakarta.
- Jaeschke, H. 2011. Reactive Oxygen and Mechanism of Inflammatory Liver Injury. *Present Concept. Departement of Pharmacology, Toxicology and Theapeutics*. University of Kansas Medical Center. Kansas City. USA.
- Jin, D., Ryu, S. H., Kim, H. Y., Yang, E. J., Lim, S. J., Ryang, Y. S., Chung C. H., Park, S. K, and Lee, K. J. 2006. *Anti-Diabetic Effect Of Alkaline-Reduced Water On OLETF Rats*. Biosci. Biotechnol. Biochem. 70: 31-37.
- Jugde, T. A., and Lichtenstein, G. R. 2003. *Inflammatory Bowel Disease*. In: Friedman SL, McQuaid KR, Grendell JH, editors. Current Diagnosis and Treatment in Gastroenterology. 2nd ed. International ed.: McGraw-Hill; p. 108-30.
- Junqueira, L. C., Carneiro, J, and Kelley, R. O. 1998. *Histologi Dasar*. Edisi ke-8. Alih bahasa Dr. Tambayong J. Jakarta: EGC. 370-387.
- Junqueira, L. C., Carneiro, J, and Kelley, R. O. 2007. *Histologi Dasar*. Alih bahasa Dr. Tambayong J. Jakarta: EGC. 370-387.
- Kajita, M., Hikosaka, K., Itsuka, M., Kanayama, A., Toshima, N., and Miyamoto, Y. 2007. *Platinum Nanoparticle is a Useful Scavenger of Superoxide Anion and Hydrogen Peroxide*. Free Radical Research, 41, 615e626.
- Kappelman, M., S. L. Rifas-Shiman, and K. Kleinman. 2007. *The Prevalence and Geographic Distribution of Crohn's Disease and Ulcerative Colitis in the United States*. Clin Gastrointestinal hepatol 5:1424: 9.
- Kaser, A., S. Zeissig, and RS. Blumberg. 2010. Inflammatory Bowel Disease. *Annu. Rev. Immunol.* 28: 573-621.
- Kathrani, A., D. Werling., and K, Allenspach. 2011. *Canine Breeds at High Risk of Developing Inflammatory Bowel Disease in The South-Eastern UK*. Veterinary Record. 169:635.
- Kawamura, M. 2011. *Suppressive Effects of Electrolyzed Reduced Water on Alloxan-Induced Apoptosis and Type 1 Diabetes Mellitus*. Cytotechnol. 63: 119-131.
- Kazuhide, H. E., Umegaki, T., Watanabe, Y., Yoda, E., Morita, M., Murano, S., Tokioka, and T. Arakawa. 2009. Present Status and Strategy of NSAIDS-Induced Small Bowel Injury. *J Gastroenterol.* 44 : 879-888.

- Kim, J. M, and Yokohama, K. 1997. Effects of Alkaline Ionized Water on Spontaneously Diabetic Gk-Rats fed Sucrose. *Korean J. Lab. Anim. Sci.* 13: 187-190.
- Kim, H. K, and Kim, M. J. 2006. *Anti-Diabetic Effects of Electrolyzed Reduced Water in Streptozotocininduced And Genetic Diabetic Mice*. Life Sci. 79: 2288- 2292.
- Koseki, M., Tanaka, Y., Noguchi, H., and Nishikawa, T.. 2007. Effect of Ph on the Taste of Alkaline Electrolyzed Water. *J. Food Sci.* 72: 298-302.
- Krinke, G.J. 2000. The Laboratory Rat. Academic Press. London. pg: 25.
- Kumar, V., S. C, Ramzi., dan R. L. Standly. 2007. *Robbins Buku Ajar Patologi*. Volume I. Edisi 7. Penerbit Buku Kedokteran ECG. Jakarta. Hal 35-851.
- Kusriningrum, R. S. 2008. Perancangan Percobaan : Untuk Penelitian Bidang Biologi, Pertanian, Peternakan, Perikanan, Kedokteran, Kedokteran Hewan, Farmasi. Cetakan Pertama. Airlangga University Press. Surabaya.
- Lark, M., Susan, M. D., and James, A. R. 2000. *The Chemistry of Success*. Bay Books. San Francisco, CA.
- Laroux, F., S. Pavlick, R.E., Wolf, and M.B. Grisman. 2001. *Dysregulation of Intestinal Mucosal Immunity: Implications in Inflammatory Bowel Disease*. New physiol Sci. 16: 272-277.
- Lumongga, F. 2008. *Struktur Liver*. Fakultas Kedokteran. Universitas Sumatera Utara: Medan.
- Mescher, A. L. 2010. *Junqueira's Basic Histology Text & Atlas*. USA: The McGraw-Hill Companies.
- Paderi, A. Z. 2007. *Kajian Perubahan Jaringan Uji Khasiat Buah Merah (Pandarus conoiderus) sebagai Bahan Penghambat Kerusakan Hati*. Fakultas Kedokteran Hewan, Institut Pertanian Bogor.
- Pratiwi, A. D., Aulanni'am., dan Sutrisno. 2013. Aktivitas Protease dan Profil Protein pada Hepar Tikus Putih (*Rattus norvegicus*) pasca induksi cyclosporine-A. *Kimia Student Journal*. Vol 1.No 1, pp 105-111.
- Purwanti, D. 2015. Studi Pemberian Ekstrak Metanol Kerang Pisau (*Solen Spp*) Terhadap Aktivitas Protease Dan Gambaran Histopatologi Hepar Pada Tikus (*Rattus Norvegicus*) Model *Inflammatory Bowel Disease* (IBD) [Skripsi]. Fakultas Kedokteran Hewan. Univesitas Brawijaya.
- Price, S. A and Lorraine, M. W. 2006. *Patofisiologi Konsep Klinis Proses-Proses Penyakit*. Jakarta: EGC.
- Ranuh, R., M.S. Subijanto., S. Ingrid dan Aulanni'am. 2008. *The Role of Probiotik Lactobacillus Plantarum IS 20506 on Occludin and ZO-1 of Intestinal Tight Junctions Rehabilitation*. Makalah Seminar Nasional Basic Science. Universitas Brawijaya. Malang.

- Rao, M. B., A. M Tanklase., Ghatge., and V.V. Desphende. 1998 Molecular and Biotechnological Aspects of Microbial Proteases. *Microbiology and Molecular biology rev. sci* 62: 597-635.
- Ronaghy, A., Prakken, B. J., Takabayashi, K., Firestein, G. S., Boyle, D., Zvailfer, N. J., Roord, S. T. A, Albani, S., Carson, D. A., and Raz, E. 2002. Imunostimulatory DNA Sequences Influence the Course of Adjuvan Arthritis. *Journal Immunology*. 168: 51-56.
- Sativani. I. 2010. *Pengaruh Pemberian Deksametason Dosis Bertingkat Per Oral 30 Hari Terhadap Kerusakan Sel Hepar Tikus Wistar*. Fakultas Kedokteran. Universitas Diponegoro.
- Scholz, M., A. L. Blobaum, L. J. Mamett., and E.H. Hawkins. 2011. *Synthetics and Evalution of Carbaborane Derivatives of Indometasin as Cyclooxygenase Inhibitors*. Bioorganic and Medical Chemistry. 19; 3242-324.
- Segal, A. W. 2005. *How Neutrophils Kill Microbes*. Annu. Rev. Immunol. 23: 197-223.
- Shirahata, Y., Li, T., Hamasaki, Z., Gadek, K., Teruya, S., Kabayama, K., Otsubo, S., Morisawa, Y., Ishii, Y., and Katakur. 2007. *Redox Regulation by Reduced Water as Active Hydrogen Donors and Intracellular ROS Scavengers For Prevention of Type 2 Diabetes*. In E. Smith (Ed.), Cell technology for cell products (pp. 99e101). Dordrecht: Springer.
- Shirahata, S. 2011. *Suppressive Effects Of Electrolyzed Reduced Water on Alloxan-Induced Apoptosis and Type 1 Diabetes Mellitus*. Cytotechnol. 63: 119-131.
- Shirahata, S., T. Hamasaki, K. Teruya. 2012. Advanced research on the health benefit of reduced water. *Trends in Food Science & Technology*. 23: 124-131.
- Soeka, Y. S., Sri, H. R., Ninu, S., and Elidar, N. 2011. *Kemampuan Bacillus Licheniformis dalam Memproduksi Enzim Protease yang Bersifat Alkalin dan Termofilik*. Media Litbang Kesehatan. Volume 21(2).
- Suckow, M. A., S.H. Weisbroth., and C.I., Franklin. 2006. *The Laboratory Rat*. Elsevier Academic Press. USA.
- Sumardika, I.W. dan Jawi, I.M. 2012. *Ekstrak Air Daun Ubi Jalar Ungu Memperbaiki Profil Lipid Dan Meningkatkan Kadar SOD Darah Tikus Yang Diberi Makanan Tinggi Kolesterol*. Medicina 43 : 67-71.
- Suryanto, E. 2003. *Patogenesis Asma*. In: Abdullah HA, Patau MJ, Susilo HT, Saleh K, Tabri NA, Mappangara I. Pertemuan Ilmiah Khusus (PIK) X Paru, Sub Bagian Paru-Bagian Ilmu Penyakit Dalam FK-UNHAS /RS Dr. Wahidin S:Makasar. pp.35-41.
- Szalai, Z., K. Kupai, M. Veszelka, A. Posa, S. Torok, A. M. Berko, Z. Barath, F. A. Laszlo, and C. Varga. 2014. *Novel features of the rat model of inflammatory bowel disease based on 2,4,6-trinitrobenzenesulfonic acidinduced acute colitis*. Volume 58(2): 127-132.

- Takeuchi, K., A. Tanaka, R. Ohno, A. Yokota. 2003. Role of COX inhibition in pathogenesis of NSAID-induced small intestinal damage. *Kyoto Pharmaceutical University*. Kyoto.
- Tanaka, A., M. Matsumoto, A. Nakagiri, S. Kato, and K. Takeuchi. 2013. Flavonoid for effect NSAID-induced Intestinal Demage: Role of COX inhibition. *Inflammopharmacology*. 10 (4-6): 313-325.
- Utomo, Y., A. Hidayat, M. Dafip, dan Fasasi. 2012. Studi Histopatologi Hati Mencit (*Mus musculus L*) yang diinduksi Pemanis Buatan. *Jurnal MIPA* 35 (2): 122-129.
- Vorobjova, N. V. 2005. *Selective Stimulation Of The Growth Of Anaerobic Microflora In The Human Intestinal Tract By Electrolyzed Reducing Water*. Med. Hypotheses 64: 543-546.
- Watanabe, T., Kishikawa, Y., and Shirai, W. 1997. Influence Of Alkaline Ionized Water On Rat Erythrocyte Hexokinase Activity And Myocardium. *J. Toxicol. Sci.* 22: 141-152.
- Wu, D., and A.I. Cederbaum. 2009. *Oxidative Stress and Alcoholic Liver Disease*. In Seminars Liver Disease (Vol. 29, No 02, pp 141-154). Thieme Medical Publishers.
- Yamada, T. 2005. *Inflammatory Bowel Disease*. Handbook of Gastroenterology. 2nd ed. Philadelphia: Lippincott Williams & Wilkins; p. 357-73.
- Yamato, M., Y. Kataoka., H. Mizuma., Y. Wada, and Y. Watanabe. 2009. PET and Macro-and Microautoradiographic Studies Combined with Immunohistochemistry for Monitoring Rat Intestinal Ulceration and Healing processes. *The journal of nuclear medicine*. Vol 50 :2. Proquest pg. 226.
- Yilmaz, H., Giizel, Y., Onal, Z., Altiparmak, G., dan Kocakaya, S.O. 2011. 4D-QSAR Study of p56 Protein Tyrosine Kinase Inhibitory Activity of Flavonoid Derivates Using MCET Method. *Korean Chemical Journal*. 32 (12) : 4352-4360.

