

DAFTAR PUSTAKA

- Abbaspour, N., R. Hurrell and R. Kelishadi. 2014. Review on Iron and Its Importance for Human Health. *Journal of Research in Medical Sciences* 19 (2): 164-174.
- Alioes, Y. dan S. Y. Elmatris. 2009. Efek Pemberian Vitamin E Terhadap Jumlah Eritrosit dan Aktivitas Enzim Katalase Tikus Akibat Paparan Sinar Ultraviolet. *Majalah Kedokteran Andalas* 33(2): 127-135.
- Amic, D., D. D. Amic., D. Beslo and N. Trinajstic. 2003. Structure-Radical Scavenging Activity Relationships of Flavonoids. *Journal Croatica Chemica Acta* 76 (1): 55-61.
- Asgary, S., G. Naderi and A. Ghannady. 2005. Effects of Cigarette Smoke, Nicotine AND Cotine on Red Blood Cell Hemolysis and Their-SH Capacity. *Journal Experimental and Clinical Cardiology* 10 (2):116-125.
- Balamurugan, M., K. Parthasarathi and E. L. Cooper. 2008. Hypothetical Mode of Action of Earthworm Extract with Hepatoprotective and Antioxidant Properties. *Journal of Zhejiang University Science* 9 (2): 141-147.
- Beto, J. A. 2015. The Role of Calcium in Human Aging. *Journal Clinical Nutrition Research* 4 (1): 1-8.
- Bicker, R. D. 2005. *Photosensitivity and Other Reaction to Light*. Mc Graw Hill. New York.
- Bos, D. J. 1997. *Skin immune system (SIS): cutaneous immunology and clinical immunodermatology*. 2nd Edition. CRC Press. Florida.
- Broberg, C. S., B. E. Bax and D. O. Okonko. 2006. Blood Viscosity and Its Relationship to Iron Deficiency, Symptoms, and Exercise Capacity in Adults With Cyanotic Congenital Heart Disease. *Journal of the American College of Cardiology* 48 (2): 356-365.
- Champbell, N. A., J. B. Reece dan L. G. Mitchell. 2005. *Biologi Edisi Kelima Jilid 3*. Erlangga. Jakarta.
- Cherubini, A., C. Ruggiero, M. C. Polidori and P. Mecocci. 2005. Potensial marker of oxidative stress in stroke. *Free Radical Biology and Medicine* 39 (4): 41-52.
- Desilvestro, R. 2001. Flavonoid as Antioxidant. Handbook of nutraceutical and Functional Food. Edited by Wildman, REC. CRC Press London.

- Devasagayam, T. P. A., K. K. Bloor and T. Ramasarma. 2003. Methods for Estimating Lipid Peroxidation: An analysis of Merits and Demerits. *Indian Journal of Biochemistry and Biophysics* 40: 300-308.
- Devi, C. B., T. H. Nandakishore., N. Sangeeta and G. Basar. Zinc in Human Health. *Journal of Dental and Medical Sciences* 13 (7): 18-23.
- Dirjen Bina Kefarmasian dan Alat Kesehatan. 2011. *Pedoman Interpretasi Data Klinik*. Kementerian Kesehatan Republik Indonesia. Jakarta.
- Eko, S., Fujiati dan P. Roselina. 2004. Pengaruh Vitamin C terhadap Jumlah Eritrosit dan Kadar Hemoglobin pada Tikus Wistar Galur *Sprague Dawley* yang dipajan Sinar Ultraviolet. *Jurnal Kedokteran YARSI* 12 (1): 42-45.
- Engida, A. M., N. S. Kasim., Y. A. Tsigie., S. Ismadji., L. H. Huynh and Y. H. Ju. 2013. Extraction, Identification and Quantitative HPLC Analysis of Flavonoids from Sarang Semut (*Myrmecodia pendens*). *Journal Industrial Crops and Products* 41: 392-396.
- Evan, W. E. 2006. *Applied Pharmacokinetics and Pharmacodynamics: Principles of Therapeutic Drug Monitoring*. Lippincott Williams and Wilkins. Philadelphia.
- Fadil, M. S. dan P. Triningsih. 2015. Potensi Sarang Semut (*Myrmecodia pendens*) sebagai Anti Stress Oksidatif Akibat Paparan Sinar Ultraviolet. *Prosiding Seminar Bioeti III*. Universitas Andalas. Padang.
- Fajrin, F. A. 2010. Aktivitas Ekstrak Etanol Ketan Hitam untuk Menurunkan Kadar Kolesterol. *Jurnal Farmasi Indonesia* 5(2): 63-69.
- Francis, G., Z. Kerem., H. P. S. Makkar and K. Becker. 2002. The Biological Action of Saponins in Animal System: A review. *British Journal of Nutrition* 88: 587-605.
- Gandasoebrata. 1988. *Penuntun Laboratorium Patologi Klinis*. Gajah Mada University Press. Yogyakarta.
- Ganong, W. F. 1995. *Fisiologi Kedokteran*. Diterjemahkan oleh Djauhari Widjajakusumah. EGC. Jakarta.
- Giri, L. N. 2008. Potensi Antioksidan Daun Salam: Kajian In Vivo pada Tikus Hiperkolesterolemia dan Hiperglikemia. *Skripsi*. Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Diponegoro. Semarang.
- Goorha, Y. K., M. P. Deb., L. C. T. Chatterjee., C. P. S. Dhot dan Prasad. 2003. Artificial blood. *Medical journal Armed Forces India* 5 (9): 45-50.

- Grassi, D., G. Desideri and C. Ferri. 2010. Flavonoids: Antioxidants Against Atherosclerosis. *Journal Nutrients* 2: 889-902.
- Guyton. 1995. *Buku Ajar Fisiologi Kedokteran*. Edisi ke- 7. Diterjemahkan oleh Ariata Tengadi. EGC. Jakarta.
- Hadley, M. E. 1996. *Endocrinology*. Fourth Edition. Perentice-hall International Inc. London.
- Hendarsula, A. R. 2011. Uji Aktivitas Immunostimulan Ekstrak Etanol Umbi Sarang Semut (*Myrmecodia archboldiana* Merr.&L.M. Perry) Pada Tikus Putih Jantan. *Skripsi*. Universitas Indonesia Press. Jakarta.
- Hertiani, T., E. Sasmito, Sumardi and M. Ulfah. 2010. Preliminary Study on Immunomodulatory Effect of Sarang Semut Tubers *Myrmecodia tuberosa* and *Myrmecodia pendens*. *Online Journal of Biological Science* 10 (3): 136-141.
- Hoong, K. 2003. Non-Ionizing Radiations Sources, Biological Effects, Emissions and Exposures. *Proceedings of the International Conference on Non-Ionizing Radiation*. UNITEN.
- Horigame, H., Y. Hiramitsu., O. Shigeta., T. Nagasawa and A. Matsui. Overproduction of Platelet Microparticles in Cyanotic Congenital Heart Disease With Polycythemia. *Journal of the American College of Cardiology* 39 (6): 1072-1077.
- Irawati, L. 2010. Viskositas Darah dan Aspek Medisnya. *Majalah Kedokteran Andalas* 34 (2): 102-111.
- Jawi, I. M. dan K. Budiasa. 2011. Ekstrak Air Umbi Jalar Ungu Menurunkan Total Kolesterol serta Meningkatkan Total Antioksidan Darah Kelinci. *Jurnal Veteriner* 12 (2): 120-125.
- Jovanovic, J., R. S. Nikolic, G. Kocic and M. M. Krismanovic. 2013. Glutathione Protects Liver and Kidney Tissue from Cadmium And Lead-Provoked Lipid Peroxidation. *Journal of the Serbian Chemical. Society* 78 (2): 197-207.
- Kee, J. L. 2007. *Pedoman Pemeriksaan Laboratorium dan Diagnostik Edisi 6*. EGC Press. Jakarta.
- Kee, T. and J. R. Mc Kee. 2003. *Aerobic metabolism II: electron transport and oxidative phosphorylation In: Biochemistry the molecular basis of life. 3rd ed.* McGraw-Hill. New York.

- Kenzie, Mc. R. L., P. J. Aucamp, A. F. Bais and M. Ilyas. 2007. Changes in biologically active ultraviolet radiation reaching the earth's surface. *Journal Photochemical and Photobiological Science* 6 (3): 218–31.
- Konig, D. and A. Berg. 2002. Exercise and Oxidative Stress: is there a need for additional antioxidant. *Osterreichisches Journal Fur Sportmedizin* 3 (2): 6-15.
- Kresno, S. B. 1988. *Pengantar Hematologi dan Imunohematologi*. Universitas Indonesia Press. Jakarta.
- Kumalaningsih. 2006. *Antioksidan Alami*. Trubus Agrisarana. Surabaya.
- Kusumawati, D. 2004. *Bersahabat dengan Hewan Coba*. Gadjah Mada University Press. Yogyakarta.
- Lautan, J. 1997. Radikal Bebas pada Eritrosit dan Leukosit. *Cermin Dunia kedokteran* (116).
- Long, S. and A. Romani. 2014. Role of Cellular Magnesium in Human Diseases. *Austin Journal of Nutrition and Food Sciences* 2 (10): 1-10.
- Mardany, M. P., L. Y. Chrystomo dan A. K. Karim. 2016. Skrining Fitokimia dan Uji Aktivitas Sitotoksik dari Tumbuhan Sarang Semut (*Myrmecodia pendens*) Asal Kabupaten Merauke. *Journal Biologi Papua* 8 (1): 13-22.
- Matsumura, Y. and N. Ananthaswamy. 2003. Toxic effects of ultraviolet radiation on the skin. *Toxicology and Applied Pharmacology* 195: 298-308.
- Mason, E. 1983. *Human Physiology*. Cummings Publication. California.
- Malole, M. B. M. dan Pramono. 1989. *Penggunaan Hewan-Hewan Percobaan di Laboratorium*. Institut Pertanian Bogor Press. Bogor.
- Meyer, D. J. And J. W. Harvey. 2004. *Clinical Textbook for Veterinary Technicians*. Elsevier Saunders. USA.
- Mulyatno, K. C. 2012. *Pemeriksaan Darah Lengkap*. www.itd.unair.ac.id/files/pdf/protocol1/Pemeriksaan%20darah%20lengkap.pdf. Diakses Sabtu, 26 Desember 2015.
- Mukono, H. J. 2002. *Epidemiologi Lingkungan*. Universitas Airlangga Press. Surabaya.
- Nofianty, T. 2008. Pengaruh Formulasi Sediaan Losio Terhadap Efektifitas Minyak Buah Merah Sebagai Tabir Surya Dibandingkan Terhadap Sediaan Tabir Surya Yang Mengandung Oktanoksat. *Skripsi*. FMIPA. Universitas Indonesia Press. Depok.

- Noguci, N. and E. Niki. 2002. *Chemistry of Active Oxygen Species and Antioxidants*. In: Antioxidants status, diet, nutrition and health. CRC Press. London. Pp: 3-20
- Norsiah, W. 2015. Perbedaan Kadar Hemoglobin Metode Sianmethemoglobin dengan dan tanpa sentrifugasi. *Medical Laboratory Technology Journal* 1 (1): 1-13.
- Olkowski, A. A., T. Duke and C. Wojnarowicz. 2005. The Aetiology of Hypoxaemia in Chickens Selected for Rapid Growth. *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology* 141: 122-131.
- Panghiyangani, R. dan Mashuri. 2009. Kualitas Spermatozoa dan Aktivitas Enzim Katalase dalam Darah Tikus Jantan Galur Sprague Dawley (SD) yang Diradiasi Sinar Ultraviolet. *Jurnal Kedokteran Indonesia* 1(1): 1-7.
- Patrick, L. 2006. The role of free radical damage and the use of antioxidants in the pathology and treatment of lead toxicity. *Alternative Medicine Review* 11 (2): 114-127.
- Perwitasari, I., D. K. Chandra., Etnawati dan Suyoto. 1999. *Peran Tabir Surya Kombinasi Sinamat dan Benzophenon pada Perubahan Warna Kulit Konstitutif Akibat Paparan UV*. Kumpulan Jurnal Kosmetik Medik. UGM Press. Yogyakarta.
- Plantamor. 2015. *Myrmecodia pendens* Merr. Dan Perry. www. Plantamor. com/index. Php?plant=425. Diakses Rabu, 30 September 2015.
- Rini, A. S. 2014. Pengaruh Intensitas Waktu Paparan Sinar Ultraviolet-C Terhadap Ketebalan Kornea Mencit (*Mus musculus* L.). *Skripsi*. Fakultas Kedokteran. Universitas Lampung Press. Bandar Lampung.
- Rodriguez, M. C., J. Rosenfeld and M. A. Tarnopolsky. 2003. Plasma malondialdehyde increases transiently ischemic forearm exercise. *Medicine Science Swports Exercise* 35 (11): 1859-1865.
- Rogers, K. 2011. *Blood Physiology and Circulation*. Britannica Educational Publishing. New York.
- Rohdiana, D. 2001. Aktivitas Daya tangkap Radikal Polifenol dalam Daun Teh. *Majalah Farmasi Indonesia* 12 (1) : 2-5.
- Roslizawaty. 2013. Pengaruh Ekstrak Etanol Sarang Semut (*Myrmecodia pendens*.) Terhadap Gambaran Histopatologi Ginjal Mencit (*Mus musculus*) Jantan Yang Hiperurisemia. *Jurnal Medika Veterinaria* 7 (2): 116-120.
- Roy, A. 2012. Tertiary Butyl Hydroperoxide Induced Oxidative Damage In Mice Erythrocytes: Protection by Taurine. *Jurnal Pathophysiology* 19: 137-148.

- Sherwood, L. 2007. *Human Physiology From Cells to Systems 7th Edition*. Thomsons Brook. USA.
- Siglin, J. C. and W. H. Baker. 2002. *Laboratory Animal Management*. In: M. J. Derelanko, M. A. Hollinger (Eds). A text book of toxicology 2nd Edition. CRC Press. Florida.
- Simmons, A. 1980. *Technical Hematology 3th Edition*. Lippincott company. Philadelphia.
- Subroto, M. A. dan H. Saputro. 2008. *Gempur Sarang Semut (Myrmecodia pendens.)*. Swadaya. Jakarta.
- Sumarno. 2010. Pengaruh Ekstrak Sarang Semut (*Myrmecodia pendens* Merr. & Perry) Terhadap Aktifitas Proliferasi Sel dan Indeks Apoptosis Kanker Payudara Mencit C3H. *Tesis*. Fakultas Kedokteran. Universitas Diponegoro. Semarang.
- Suryohudoyo, P. 2000. *Kapita Selekta Ilmu Kedokteran Molekuler*. Sagung Seto. Jakarta.
- Swenson, M. J. 1984. *Dukes Physiology of Domestic Animals*. Ed ke-10. Cornell University Press. Ithaca and London.
- Syaifuddin. 2009. *Fisiologi Tubuh Manusia*. Edisi Ke-2. Salemba Medika. Jakarta.
- Szocs, K. 2004. Endothelial Dysfunction and Reactive Oxygen Species Production in Ischemia/Reperfusion and Nitrate Tolerance. *Gen Physiol Biophys* 23 (4): 265-295.
- Tjitrosoepomo, G. 1991. *Taksonomi tumbuhan spermatophyta*. Gajah Mada University Press. Yogyakarta.
- Tortora and Grabowski. 1993. *Principles of Anatomy and Physiology*. Harper Collins College Publishers. New York.
- Towzer, T. N. and M. Rowland. 2006. *Introduction of Pharmacokinetics and Pharmacodynamics: The quantitative Basis of Drug Therapy*. Lippincott Williams and Walkins. Philadelphia.
- Traber, M. G. and J. Atkinson. 2007. Vitamin E, Antioxidant and Nothing More. *Free Radical Biology and Medicine* 43 (1): 4-15.
- Tranggono dan Latifah. 2007. *Buku Pegangan Ilmu Pengetahuan dan Kosmetik*. Gramedia. Jakarta.

- Trenggono, S., I. S. Tiasna dan M. Mudijana. 1991. Peranan Radikal Oksigen yang dipertimbangkan pada Hiperbarik Oksigen. *Jurnal Medika* 9 (17): 740-750.
- Triningsih, P., Y. P. Yani, R. F. Apriyanti dan M. S. Fadil. 2015. Efektivitas Antioksidan Ekstrak Sarang Semut (*Myrmecodia pendens*) Pada Mencit Yang Terpapar Radiasi Sinar UV. *Prosiding Seminar Bioeti III*. Universitas Andalas. Padang.
- Triningsih, P., N. F. Pulungan dan F. Mumtaziri. 2016. Suplementasi Anti Anemia Ekstrak Sarang Semut (*Myrmecodia pendens*) Akibat Radiasi Sinar Ultraviolet. Laporan PKMP Universitas Andalas 2016. *Unpublish*.
- Turker, H. 2014. Hematological Effects of Ultraviolet-C Radiation On Swiss Albino Mice. *International Journal of Toxicology and Applied Pharmacology* 4 (1): 17-22.
- Wahyono, P. 2011. Efek Jus Buah Tomat (*Lycopersicum pyriforme*) terhadap Pencegahan Fotoaging Kulit Akibat Iradiasi Sinar Ultraviolet-B. *Jurnal Bina Praja* 13 (3): 169-178.
- WHO. 1989. *Health and Environmental Effects of Ultraviolet Radiation*. www.who.int/uv/publications/uvEHeffects.pdf. diakses Sabtu, 13 Februari 2016.
- Winarno. 2002. *Kimia Pangan dan Gizi*. Gramedia. Jakarta.
- Winarsi, H. 2007. *Antioksidan Alami dan Radikal Bebas*. Kanisius. Yogyakarta.
- Yuan, T. 2015. Linoleic Acid Induces Red Blood Cells and Hemoglobin Damage Via Oxidative Mechanism. *International Journal of Clinical and Experiment Pathology* 8 (5): 5044-5052.
- Yuliani, S. 2002. Pengaruh Pemberian Vitamin E Terhadap Kadar Malondialdehid Plasma Pada Tikus Yang Diberi Pakan Lemak Tinggi. *Jurnal Sains* 20 (1):9-14.
- Zielinska, A., I. Nowak and A. Mickiewicz. 2014. Tocopherols and Tocotrienols as Vitamin E. *Chemik* 68 (7): 585-591.