

DAFTAR PUSTAKA

- Agarwal R., Goel S.K., and Behari J.R. 2010. Detoxification And Antioxidant Effects of Curcumin in Rats Experimentally Exposed To Mercury. *Journal of Applied Toxicology*. 30: 457-468.
- Agustina T. 2010. Kontaminasi Logam Berat Pada Makanan dan Dampaknya Pada Kesehatan. *Teknobuga*. 2(2): 53-65.
- Akhlaghi M dan Brian B. 2009. Mechanisms of Flavonoid Protection Against Myocardial Ischemia–Reperfusion Injury. *Journal of Molecular and Cellular Cardiology*. 46 : 309–17.
- Ak T. and Gulcin I., 2008. Antioxidant and Radical Scavenging Properties of Curcumin. *Chemico-Biological Interactions*, 174, p. 27–37.
- Andjelkovic M., Djordjevic A., Antonijevic E., Antonijevic B., Stanic M., Kotur-Stevuljevic J., and Bulat, Z. 2019. Toxic Effect of Acute Cadmium and Lead Exposure in Rat Blood, Liver, and Kidney. *International Journal of Environmental Research and Public Health*, 16(2), 274.
- Astawan M. 2004. *Kiat Menjaga Tubuh Tetap Sehat*. PT Tiga Serangkai Pustaka Mandiri: Solo.
- Badan standarisasi nasional. 2009. *Batas Maksimum Cemaran Logam Berat dalam Pangan*. Jakarta
- Baratawidjaja K. G. 2009. *Imunologi Dasar*. Edisi Ke-6. Jakarta: Balai Penerbit Fakultas Kedokteran Universitas Indonesia.
- Barton JC, Conrad ME, Harrison L, and Nuby S.1978. Effects of Calcium on Absorption and Retention Oflead. *J Lab Clin Med* 91 :366-376
- Baldy C.M., 2006. Bab 18 *Gangguan Sel Darah Putih dan Sel Plasm*. In: Price S.A., Wilson L.M., 2006. *Patofisiologi*. Ed 6. Jakarta: EGC, 271-284.
- Cappellini M.D. and Fiorelli G. 2008. *Glucosa-6-Phosphate Dehidrogenase Deficiency*. *Lancet* 371: 64-74.
- Atira C. 2019. Uji Antioksidan Cucurmin terhadap Kadar MDA dan SOD Mencit (Mus Musculus) yang Dipapar Timbal Asetat. *Skripsi*. Univeristas Airlangga Surabaya.

- Clark C.S., Rampal K. G., Thuppil V., Roda S.M., Succop P., Menrath W., Chen C.K., Adebamowo E.O., Agbede O.A., Sridhar M.K.C., Adebamowo C.A., Corwin E., J. 2009. *Buku Saku Patofisiologi*. Jakarta: ECG.
- Effendi. 2003. *Peranan Leukosit sebagai Anti Inflamasi Alergik dalam Tubuh*. Bagian Histologi Fakultas Kedokteran Universitas Sumatra Utara.
- Flora G., Gupta D, and Tiwari A. 2012. Toxicity Of Lead : A Review With Recent Updates. *Interdiscip Toxicol*. 5(2): 47-58.
- Goorha Y. K., Deb M.P., Chatterjee L. C. T., and Dhot C. P. S., Prasad. 2003. Artificial Blood. *Medical journal Armed Forces India* 5 (9): 45-50.
- Guidotti TL, McNamara J, Moses MS. 2008. The interpretation of trace elements analysis in body fluids. *Indian J Med Res*.128:524-53.
- Harper E. J., Hackett R. M., Wilkinson J., and Heaton, P.R. 2003. Age-Related Variations In Hematologic and Plasma Biochemical Test Results In Beagles And Labrador Retrievers. *Journal Of The American Veterinary Medical Association*. 223(10).
- Jun M.H.Y., Yu J., Fong X., Wa, C.S, and Yang C.T. Ho. 2003. Comparison Of Antioxidant Activities Of Isoflavones From Kudzu Root (Pueraria Labata Ohwl). *J. Food Sci*. 68.
- Joe, B dan Lokesh, B.R. 1994. Role Of Capsaicin, Curcumin And Dietary N-3 Fatty Acids In Lowering The Generation Of Reactive Oxygen Species In Rat Peritoneal Macrophages. *Biochim. Biophys. Acta*, 1224, 255–263.
- Joe B, Vijaykumar M, and Lokesh B.R.2004.Biological Properties of Curcumin-Cellular and Molecular Mechanisms of Action. *Critical Rivewes In Food Science And Nutrition*. 44:99-111
- Kusumawati D. 2004. *Bersahabat Dengan Hewan Coba*. Gajah Mada University Press, Yogyakarta.
- Kusnoputranto H. 2006. *Toksikologi Lingkungan, Logam Toksik, dan Berbahaya*. Jakarta: FKM-UI Press dan Pusat Penelitian Sumber Daya Manusia dan Lingkungan.
- Kurniawan W. 2008. Hubungan Kadar Pb dalam Darah dengan Profil Darah pada Mekanik Kendaraan Bermotor di Kota Pontianak. *Tesis*. Semarang: Program Pascasarjana Universitas Diponegoro.

- Kohli K., Ali J., Ansari M.J., and Raheman Z. 2004. Curcumin : A Natural Anti Inflammatory Agent. *Indian J Pharmacol.* 37: 141-147.
- Labban L. 2014. Medicinal and Pharmacological Properties of Turmeric (Curcuma longa): A review. *Int J Pharm Biomed Sci.* 5(1): 17-23.
- Lin W., Zengyong W., and Jianzhu L. 2010. Protective Effect of N-Acetylcysteine on Experimental Chronic Lead Nephrotoxicity in Immature Female Rats. *Human and Experimental Toxicology.* Vol 29(7). pp 581-591.
- Made Astawan. 2009. *Bahaya Logam Berat Pada Makanan.* <http://www.litbangdepkes.go.id>. 12 desember 2019
- Majeed M., Badmaev V., Shivakumar U., and Rajendran R. 1995. Curcuminoids: Antioxidant Phytonutrients. *Nutri Science Pub.Inc.* New Jersey: 3-80.
- McCabe and Warren. 1993. *Unit Operation of Chemical Engineering.* New York: McGraw Hill.
- Mulyani S., 2017. Sinergisme Antioksidan Kunyit dan Daun Asam (Curcuma domestica Val. – Tamarindus indica L.) sebagai Krim Inhibitor Kolagenase. *Disertasi.* Universitas Udayana, Bali.
- Murray R.K., Granner D.K., Mayes P.A., and Rodwell V.W. 2003. *Biokimia Harper. Ed 25.* Jakarta: EGC.
- Murray R. K., Granner D. K., and Rodwell V. W. 2009. *Biokimia Harper. Ed 27.* Jakarta: Buku Kedokteran EGC.
- Moharram H.A. and Youssef M.M. 2014. Methods For Determining The Antioxidant Activity: A review. *Alex J. Fd. Sci and Technol.* 11(1): 31-42.
- Motterlini R., Foresti, R, Bassi R, and Green C J. 2000. Curcumin, An Antioxidant And Anti-Inflammatory Agent, Induces Heme Oxygenase-1 And Protects Endotelial Cells Against Oxidative Stress. *Free Radic. biol. med.* 28:13030-1312.
- Moran P.M., Fernandez M.J., Tortosa R.C., Tortosa R.M. 2016. Curcumin and Health. *Review: molecules.* 21(264).
- Oxford Biomedical Research. 2008. Colorimetric Assay Of Glutathione. *Oxford Biomedical Research, Inc.* USA
- Pari L, Tewas D, and Eckel J. 2008. *Role Of Curcumin In Health And Disease.* *Archives of Physiology and Biochemistry,* vol. 114, no. 2, pp. 127–149

- Palar H. 2008. *Pencemaran dan Toksisitas Logam Berat*. Rienka Cipta. Jakarta
- Panggabean T.A., Mardhiah N., dan Silalahi EM. 2008. *Logam Berat Pb (Timbal) Pada Jeroan Sapi*. Prosiding PPI Standardisasi. [Http://www.bsn.go.id/files/@litban_g/ppis%202008/ppis%20jakarta/10%20%20logam%20berat%20Pb.pdf](http://www.bsn.go.id/files/@litban_g/ppis%202008/ppis%20jakarta/10%20%20logam%20berat%20Pb.pdf). Diakses tanggal 15 desember 2019.
- Patnaik, Pradyot. 2003. *Handbook of Inorganic Chemical Compounds*. New York : The Mc Graw Hill Companies, Inc.
- Patrick L. 2006. Lead Toxicity Part II : 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.
- Pawarta. 2016. *Antioksidan*. Bahan Ajar Kimia Terapan Program Pascasarjana Universitas Udayana.
- Purba E. R dan Martosupono., M. 2009. Kurkumin Sebagai Senyawa Antioksidan. *Prosiding Seminar Nasional Sains dan Pendidikan Sains*. 4(3):607-621.
- Quarterman J, Morrison IN. 1975. The effect of dietary calcium and phosphorus on the retention and excretion of lead in rats. *Br J Nutr* 34:351-362.
- Sagar J., V Prashanth S., Kumar A.A., Madhu B., and Rama N,. 2011. Pharmacokinetic And Pharmacodynamic Drug Interactions Of Carbamazepine And Glibenclamide In Healthy Albino Wistar Rats. *Journal of Pharmacology and Pharmacotherapeutics*. 2(1):7-10.
- Santosa B. 2015. Variasi Dosis Suplementasi Zn memperbaiki Hematopoiesis Pada Tikus yang Terpajan Plumbum (Pb). *University Research Colloquium*. Universitas Muhammadiyah Surakarta.
- Saputro D.A dan Junaidi S. 2015. Pemberian Vitamin C Pada Latihan Fisik Maksimal dan Perubahan Kadar Hemoglobin dan Jumlah Eritrosit. *Jurnal of Sport Science and Fitness*. 4(3)
- Sayuti K dan Yenrina R. 2015. *Antioksidan Alami dan Sintetik*. Andalas University Press: Padang.
- Sethi G, Sung B., and Aggarwal B.B. 2009. The Role of Kurkumin in Modern Medicine. *Herbal drug to modern Medicine*. Springer. P 114-121.
- Shargel L., Wu Pong S, Yu A.B.C. 2012. *Biofarmasetika dan farmakoetika terapan edisi 5*. Airlangga University Press, Surabaya

- Sigh P, Kesharwi R.K, Misra K adna Rizvi S.I. 2015. The Modulation effect of Curcumin on erythrocyte Na⁺/ K⁺ - ATPase activity. *Journal of Advance research*.
- Stedman. 2001. *Kamus Ringkas Kedokteran*. Jakarta: ECG.
- Suciani S. 2007. Kadar Timbal Dalam Darah Polisi Lalu Lintas dan Hubungannya dengan Kadar Hemoglobin. *Laporan penelitian Magister Gizi Masyarakat*. UNDIP. Semarang.
- Sundryono Agus. 2011. Uji Aktivitas Senyawa Flavonoid Total dari Gynura Segetum (Lour) Terhadap Peningkatan Eritrosit Dan Penurunan Leukosit Pada Mencit (Mus Musculus). *Jurnal Exacta*. Vol. IX No.2
- Sudarwin, 2008. Analisis Spasial Pencemaran Logam Berat (Pb dan Cd) pada Sedimen Aliran Sungai dari Tempat Pembuangan Akhir (TPA) Sampah Jatibarang Semarang. *Tesis*. Universitas Diponegoro, Semarang.
- Susan J.H. and Douglas S.K. 2017. Curcumin : Review of It's Effect on Human Health. *Foods*. 6(9)
- Tarasub, N., Narula, K., and Ayutthaya, W. D. N., 2008. Effects of Curcumin on Cadmium-Induced Hepatotoxicity in Rats. *Thailand Journal Toxicology*, **23(2)**, p. 100-107.
- Theml H., Diem H., and Haferlach T. 2004. *Color Atlas of Hematology*. Thieme. 2nd Revised Edition. New York
- Thrall MA. 2004. *Veterinary Hematology and Clinical Chemistry*. Maryland: Lippincott Williams dan Wilkins. Hlm 3-11; 20; 69-77; 212-217.
- Valko M., Mario I., Milan M., Christopher J.R. and Joshua T. 2004. Role of oxygen radicals in DNA Damage and Cancer Incidence. *Molecular and Cellular Biochemistry*. 266 : 36- 37.
- Witeska M dan Wakulska M. 2007. The Effects of Heavy Metals on Common Carp White Blood Cells In Vitro. *Alternatives to Laboratory Animals*. Vol 35(1). Pp87–92.
- Wellman ML. 2010. Hematopiesis. Di Dalam: Schlams Veterinary Hematology. Ed-6. editor Douglas J weiss, K Jane Wardrop. USA: *Blackwell Publishing Ltd*. Hlm 2-5.
- Widowati W. 2008. *Efek Toksik Logam*. ANDI. Yogyakarta.

- Williams L. 2004. Comprehensive Review of Hematopoiesis and Immunology: Implications for Hematopoietic Stem Cell Transplant Recipients. dalam Ezzone, S. Hematopoietic Stem Cell Transplantation: A Manual for Nursing Practice. *Oncology Nursing Society*. Pittsburg: PA.
- Winarsi H. 2007. *Antioksidan Alami Dan Radikal Bebas*. Kanisius. Yogyakarta.
- World Healty Organization. 2006. *Inorganic and Organic Lead Compounds*. Geneva: WHO.
- World Healty Organization. 2010. *Chilhood Lead Poisoning*. Geneva: World Health Organization.
- Wu, B.; Liu, Z.; Xu, Y.; Li, D.; Li, M. Combined Toxicity of Cadmium and Lead on The Earthworm *Eisenia Fetida* (Annelida, Oligochaeta). *Ecotoxicol. Environ. Saf.* 2012, 81, 122–126.
- Yulistia Feri. 2015. Pengaruh Penambahan Temulawak (*Curcuma xanthorrhiza* ROXB) Pada Pakan Terhadap Total Eritrosit, Hematokrit, Hemoglobin dan Pertumbuhan Ikan Baung (*Mystus nemurus*). *Skripsi*. Fakultas Perikanan dan Ilmu Kelautan. Universitas Riau. Hal 48.
- Xu J., Lian L.J., Wu C., Wang X.F., Fu W.Y., and Xu L. H. 2008. Lead Induces Oxidative Stress, DNA Damage and Alteration of p53, Bax and Bcl-2 Expressions in Mice, *Food and Chemical Toxicology* 46(5): 1488-1494.
- Zakaria Y., El-Safty A., Shinde R.M. and Yu J. 2009. Lead Levels In New Enamel Household Paints From Asia, Africa, and South America. *Environmental Research*. 109 : 930-936.
- Zheng W. and Wang S.Y., 2009. Antioxidant Activity and Phenolic Compounds in Selected Herbs. *J.Agric.Food Chem.*, 49 (11) : 5165-70, ACS Publications, Washington D.C.