

## DAFTAR PUSTAKA

- Alfonso, A.A., Mongan, A.E., Memah M.F., 2016, Gambaran Kadar Kreatinin Serum pada Pasien Penyakit Ginjal Kronik Stadium 5 Non-Dialisis, *Jurnal e-Biomedik*, **4**(1), 178-183.
- Andini, I.M., Roviq, M., Nihayati, E., 2015, Pertumbuhan dan Kadar Kurkumin Temulawak (*Curcuma xanthorrhiza* Roxb.) pada Ketersediaan Unsur Hara Mikro (Mo) Secara *In Vitro*, *Jurnal Produksi Tanaman*, **3**(7), 542-546.
- Anonim, 1979, *Farmakope Indonesia*, Edisi ketiga, 6-7, Departemen Kesehatan Republik Indonesia, Jakarta.
- Anonim, 1998, *OECD Repeated Dose 90-day Oral Toxicity Study in Rodent*, No 408, Guideline for the Testing Chemical, Paris.
- Anonim, 2007, *WHO Guidelines for Assessing Quality of Herbal Medicines with Reference to Contaminants and Residues*, 1-9, World Health Organization, Spain.
- Anonim, 2008, *Farmakope Herbal Indonesia*, Edisi I, 150-155, Departemen Kesehatan Republik Indonesia, Jakarta.
- Anonim, 2013, *Material Safety Data Sheet Curcumin*, diakses [www.sciencelab.com/msds.php?msdsId=9923607](http://www.sciencelab.com/msds.php?msdsId=9923607), 11 Januari 2018.
- Anonim, 2014<sup>a</sup>, *Assessment Report on Curcuma xanthorrhiza Roxb. (C. xanthorrhiza D. Dietrich), rhizoma*, 1-22, European Medicines Agency, United Kingdom.
- Anonim, 2014<sup>b</sup>, *Peraturan Kepala Badan Pengawas Obat dan Makanan Republik Indonesia Nomor 7 Tahun 2014 Tentang Pedoman Uji Toksisitas Nonklinik Secara In vivo*, Badan Pengawas Obat dan Makanan Republik Indonesia, Jakarta.
- Anonim, 2014<sup>c</sup>, *Peraturan Kepala Badan Pengawas Obat dan Makanan Republik Indonesia Nomor 13 Tahun 2014 Tentang Pedoman Uji Klinik Obat Herbal*, Badan Pengawas Obat dan Makanan Republik Indonesia, Jakarta.
- Anonim, 2014<sup>d</sup>, *Farmakope Indonesia*, Edisi V, 57-59, Departemen Kesehatan Republik Indonesia, Jakarta.
- Anonim, 2016, *Indonesian Biodiversity Strategy and Action Plan (IBSAP) 2015-2020*, 1-3, Kementerian Perencanaan dan Pembangunan Nasional, Jakarta.
- Anonim, 2018, Xanthorrhizol, <https://pubchem.ncbi.nlm.nih.gov/compound/Xanthorrhizol>, 9 Juli 2018.
- Astuti, R.B., 2018, Toksisitas Akut Per Oral Produk Tablet Temulawak pada Tikus Wistar Betina, *Skripsi*, Universitas Gadjah Mada, Yogyakarta.

- Barille, F.A., 2005, *Clinical Toxicology : Principles and Mechanisms*, 3-7, CRC Press, Boca Raton, London, New York, Washington DC.
- Bailey, S.A., Zidell, R.H., dan Perry, R.W., 2004, Relationship Between Organ Weight and Body/Brain Weight in the Rat : What Is the Best Analytical Endpoint?, *Toxicologic Pathology*, **32**(4), 448-466.
- Bele, A.A., dan Khale, A., 2010, An Overview on Thin Layer Chromatography, *International Journal of Pharmaceutical Science and Research*, **2**(2), 256-267.
- Budgel, P., 1970, The Effect of Change in Ambient Temperature on Water Intake and Evaporative Water Loss, *Psychological Sciences*, **20** (5), 275-276.
- Cahyono, B., Huda, M.D.K., dan Limantara, L., 2011, Pengaruh Proses Pengeringan Rimpang Temulawak (*Curcuma xanthorrhiza* Roxb.) Terhadap Kandungan dan Komposisi Kurkuminoid, *Reaktor*, **13** (3), 165-171.
- Chanwitheesuk, A., Teerawutgulrag, A., Rakariyatham, N., 2005, Screening of Antioxydant Activity and Antioxydant Compound of Some Edible Plants of Thailand, *Food Chemistry*, **92**, 491-497.
- Cook, J.G.H., 1975, Factor Influencing the Assay of Creatinine, *Annals of Clinical Biochemistry*, **12**, 219-232.
- Craig, E.A., Yan, Z., Zhao, Q.J., 2015, The Relationship Between Chemical-Induced Kidney Weight Increases and Kidney Histopathology in Rats, *Journal of Applied Toxicology*, **35**, 729-736.
- Devaraj, S., Ismail, S., Ramanathan, S., Marimuthu, S., Fei, Y.M., 2010, Evaluation of the Hepatoprotective Activity of Standardized Ethanolic Extract of *Curcuma xanthorrhiza* Roxb., *Journal of Medicinal Plant Research*, **4**, 2512-2517.
- Devaraj, S., Ismail, S., Ramanathan, S., Fei Y. M., 2013, In vivo Toxicological Investigation of Standardized Ethanolic Extract of *Curcuma xanthorrhiza* Roxb.. Rhizome, *Journal of Natural Product and Plant Resource*, **3**(1), 67-73.
- Dewoto, H.R., 2007, Pengembangan Obat Tradisional Indonesia Menjadi Fitofarmaka, *Majalah Kedokteran Indonesia*, **57**(7), 205-211.
- Donatus, I.A., 2005, *Toksikologi Dasar*, Edisi kedua, 1-3, 7-9, 117-149, 187-190, Bagian Farmakologi dan Farmasi Klinik Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Efstratiadis, G., Voulgaridou, A., Nikiforou, D., Kyventidis, A., Kourkouni, E., Vergoulas, G., 2007, Rhabdomyolysis Update, *Hippokratia*, **11**(3), 129-137.

- Ejaz, A., Wu, D., Kwan, P., Meydani, M., 2009, Curcumin Inhibits Adipogenesis in 3T3-L1 Adipocyte and Angiogenesis and Obesity in C57/BL mice, *The Journal of Nutrition*, **139**, 919-925.
- Elj, N.E., Lac, G., Tabka, Z., Gharbi, N., Fezaa, S.E., 2011, Effect of Physical Exercise on Reducing Food Intake and Weight Gain, *Procedia – Social and Behavioral Science*, **30**, 2027-2031.
- Faridah dan Widiyanti, S., 2012, Penetapan kadar Kurkumin dalam Tablet Temulawak (*Curcuma xanthorrhiza* Roxb.) secara Kromatografi Lapis Tipis Densitometri, *Jurnal Tumbuhan Obat Indonesia*, **5**(1), 37-44.
- Gad, S.C., 2007, *Animal Model in Toxicology*, Second Edition, 147-193, CRC Press, Boca Ralton, London, New York.
- Gandjar, I.G., dan Rohman, A., 2007, *Kimia Farmasi Analisis*, 366-367, Pustaka Pelajar, Yogyakarta.
- Grauer, G.F., dan Pohlman, L.M., 2016, *Urinalysis Interpretation*, 93-101, Kansas University, USA.
- Guyton A.C., dan Hall, J.E., 2006, *A Textbook of Medical Physiology*, 11<sup>th</sup> Edition, 290-313, Elsevier Inc., San Diego, California, USA.
- Harris, R.B.S., 1993, Factor Influencing Body Weight Regulation, *Digestive Diseases*, **11**, 133-145.
- Haschek, W.M., dan Rousseaux, C.G., 1991, *Handbook of Toxicologic Pathology*, 316-362, Academic Press, Inc., San Diego.
- Hau, J., dan Hoosier, G.L.V., *Handbook of Laboratory Animal Science*, 2<sup>nd</sup> Edition, CRC Press, Boca Raton.
- Hayani, E., 2006, *Analisis Kandungan Rimpang Temulawak*, 309-312, Balai Penelitian Rempah dan Obat, Bogor.
- Hewlings, S.J., dan Kalman, D.S., 2017, Curcumin : A Review of Its' Effect on Human Health, *Food*, **6**(92), 1-11.
- Higgins, C., 2016, Urea and Creatinin Concentration the Urea : Creatinin Ratio, <http://acutearetesting.org>, 31 Maret 2018.
- Hoagland R., dan Mansfield C.M., 1917, The Function of Muscular Tissue in Urea Formation, *The Journal Biological Chemistry*, **31** (3), 487-499.
- Hodgson, E., 2010, *A Textbook of Modern Toxicology*, 4<sup>rd</sup> Edition, 3-5, 291-301, John Wiley and Sons Inc., New Jersey.
- Jadhav, S.H., Sarkar, S.N., Patil, R.D., Tripathi, H.C., 2007, Effect of Subchronic Exposure via Drinking Water to a Mixture of Eight Water-Contaminating

Metal: A Biochemical and Histopathological Study in Male Rat, Arch Environ Contam Toxicol, **53**, 667-677.

Jantan, I., Saputri, F.C., Qaisar, M.N., Buang, F., 2012, Correlation between Chemical Composition of *Curcuma domestica* and *Curcuma xanthorrhiza* and Their Antioxidant Effect on Human Low-Density Lipoprotein Oxidation, *Evidence-Based Complementary and Alternative Medicine*, **1**, 1-10.

Katno, 2008, *Tingkat Manfaat, Keamanan dan Efektifitas Tanaman Obat dan Obat Tradisional*, Balai Besar Penelitian dan Pengembangan Tanaman Obat dan Obat Tradisional, Karanganyar.

Kim, S.H., Hong, K.O., Hwang, J.K., Park, K., K., 2004, Xanthorrhizol has a Potential to Attenuate High Dose Cisplatin-Induce Nephrotoxicity in Mice, *Food and Chemical Toxicologi*, **43**, 117-122.

Klaassen, C.D., dan Watkins, J.B., 2010, *Casarett & Doull's Essentials of Toxicology*, 2<sup>nd</sup> Edition, 191-198, McGraw-Hill Companies Inc., New York.

Klaaseen, C.D., 2013, *Casarett & Doull's Toxicology The Basic Science of Poisons*, 8<sup>th</sup> Edition, 3-5, McGraw-Hill Education, New York.

Kumar, V., Abbas, A.K., Aster, J.C., 2013, *Robbins Basic Pathology*, 9<sup>th</sup> Edition, 517-556, Elsevier Saunders, Kanada.

Lau K.K. dan Wyatt, R.J., 2005, Glomerulonephritis, *Adolecent Medical Clinic*, **16**(1), 67-75.

Loomis, T.A., dan Hayes, A.W., 1996, *Loomis's Essentials of Toxicology*, 4<sup>th</sup> Edition, 205-248, Academic Press Inc., London.

Lu, F.C., 2010, *Toksikologi Dasar : Asas, Organ Sasaran, dan Penilaian Risiko, Edisi Kedua*, 1-9, 224-235, diterjemahkan oleh Nugrogo, E., UI Press, Jakarta.

Mary, H.P.A., Susheela, G.K., Jayasree, S., Nizzy, M.S., Rajagopal, B., Jeeva, S., 2012, Phytochemical Charaterization and Antimicrobial Activity of *Curcuma xanthorrhiza* Roxb., *Asian Pacific of Journal Tropical Biomedicine*, S637-S340.

McGivern, R.F., Henschel, D., Hutcheson, M., Pangburn, T., 1996, Sex Difference in Daily Water Consumption of Rat : Effect of Housing and Hormones, *Physiology and Behaviour*, **59**, 653-658.

Meireles, C.L., Price, S.R., Pereira, A.M.L., Carvalhaes, J.T.A., Mitch, W.E., 1999, Nutrition and Chronic Renal Failure in Rats: What Is an Optimal

- Dietary Protein?, *Journal of the American Society of Nephrology*, **10**, 2367-2373.
- Mescher, A.L., 2016, *Junquiera's Basic Histology Text and Atlas*, 14<sup>th</sup> Edition, 1-4, McGraw-Hill Education, United States.
- Meyer, J.H., dan Hargus, W.A., 1959, Factor Influencing Food Intake of Rats Fed Low Protein Rations, *American Journal of Physiology*, **197**(6), 1350-1352.
- Murdopo, 2014, *Warta Ekspor : Obat Tradisional Indonesia*, 3-5, Kementrian Perdagangan Republik Indonesia, Jakarta.
- Nath, K.A., dan Norby, S.M., 2000, Reactive Oxygen Spesies and Acute Renal Failure, *American Journal of Medicine*, **109**, 665-678.
- Nurrochmad, A., dan Airin, C.M., 2013, Standarisasi Hewan Laboratorium Unit Pengembangan Hewan Percobaan dalam Rangka Penguatan Riset Lingkungan Universitas Gadjah Mada, *Laporan Penelitian*, LPPM.
- Orsonneau, J.L., Massoubre, C., Cabanes, M., Lustenberger, P., 1992, Simple and Sensitive Determination of Urea in Serum and Urine, *Clinical Chemistry*, **38**(5), 619-623.
- Perrone, R.D., Madias, N.E., Levey, A.S., 1992, Serum Creatinine as an Index of Renal Function: New Insights into Old Concepts, *Clinical Chemistry*, **38** (10), 1933-1953.
- Piao, Y., Liu, Y., Xiu, X., 2013, Change Trends of Organ Weight Background in Sprague Dawley Rats at Different Ages, *Journal of Toxicology and Pathology*, **26**, 29-34.
- Priyanto, 2009, *Toksikologi, Mekanisme, Terapi Antidotum, dan Penilaian Risiko*, 7-16, Lembaga Studi dan Konsultasi Farmakologi, Depok.
- Qiu, P., Man, S., Li, J., Liu, J., Zhang, L., Yu, P., Gao, W., 2016, Overdose Intake of Curcumin Initiates Unbalanced State of Body, *Journal of Agricultural and Food Chemistry*, **64**, 2765-2771.
- Ravindranath, V., dan Chandrasekhara, N., 1980, Absorbtion and Tissue Distribution of Curcumin in Rat, *Toxicology*, **16**, 259-265.
- Rudman, D., Difulco, T.J., Galambos, J.T., Smith, R.B., Salam, A.A., Warren, W.D., 1973, Maximal Rate of Excretion and Synthesis of Urea in Normal and Cirrhotics Subjects, *The Journal of Clinical Investigation*, **52**, 2241-2249.
- Stahl, E., 1969, *Thin Layer Chromatography A Laboratory Handbook*, diterjemahkan oleh Ashworth, M.R.F., 125, Springer-Verlag Berling, Heidenberg.

- Stankovic, I., 2004, *Curcumin Chemical and Technical Assessment (CTA)*, 61<sup>st</sup> JECFA.
- Strasinger, S.K., dan Lorenzo M.S.D., 2008, *Urinalysis and Body Fluid*, 5<sup>th</sup> Edition, F. A. Davis Company, Philadelphia.
- Suganya, Priya, R.S., Samuel, T.R., Rajagopalan, B., 2016, A Study to Elevate the Role of Bun/Creatinine Ratio as a Discriminator Factor in Azotemia, *International Journal of Pharmaceutical Science Review and Research*, **40**(1), 131-134.
- Syamsuhidayat, S.S., dan Hutapea, J.R., 1991, *Inventaris Tanaman Obat Indonesia*, Jilid I, 85-86, Balit-bagkes Departemen Kesehatan RI, Jakarta.
- Vasiliades, J., 1976, Reaction of Alkaline Sodium Picrate with Creatinine : I. Kinetic and Mechanism of Formation of the Mono-creatinine Picric Acid Complex, *Clinical Chemistry*, **22**(10), 1664-1671.
- Verdiansah, 2016, Pemeriksaan Fungsi Ginjal, *CDK-237*, 43(2), 148-154.
- Vleet, T.R.V., dan Schnellmann, R.G., 2003, Toxic Nephropathy : Environmental Chemicals, *Seminars in Nephrology*, **23**(5), 500-508.
- Wahyuni, Hardjono, A., Yamrewav, P.H., 2004, *Ekstraksi Kurkumin dari Kunyit*, F-17-1-F-17-5, Prosiding Seminar Nasional Rekayasa Kimia dan Proses, Semarang.
- Walid, M.S., 2008, Blood Urea Nitrogen/Creatinine Ratio in Rhabdomyolysis, *Indian Journal of Nephrology*, **18**(4), 172-173.
- Walker, H.K., Hall, W.D., Hurst, J.W., 1990, *Clinical Method : The History, Physical Laboratory Examinations*, 3<sup>rd</sup> Edition, 874-878, Butterworths, Boston.
- Wikara, T., Sulistiowati, A., Murhandini, S., dan Usia, T., 2016, Fingerprint Study of *Curcuma xanthorrhiza* Rhizome by High Performance Thin Layer Chromatography, *Jurnal Jamu Indonesia*, **1**(2), 9-14.
- Zuo, Y., Wang, C., Zhou, J., Sachdeva, A., Ruelos, V.C., 2008, Simultaneous Determination of Creatinine and Uric Acid in Human Urin by High Performance Liquid Chromatography, *Analytical Science*, **24**, 1589-1592.