

DAFTAR PUSTAKA

- Agusta A., 2000, *Minyak Atsiri Tumbuhan Tropika Indonesia*, Penerbit ITB, Bandung, hal 29–35.
- Agoes, A., 2010, *Tanaman Obat Indonesia*, Salemba Medika, Jakarta, hal 99-101.
- Atmadja, L.W., Ito, Y., Baker, G.L., McCuskey, R.S., 2002, Effect of curcuminoids as anti-inflammatory agents on the hepatic microvascular response to endotoxin, *Shock*, 17: 399–403.
- Becker, A.C., Utrecht, Sc.D., and Van den Brink, B.C.R., 1968. *Flora of Java (Spermatophytes only)*. Volume 2, World of Bronirgen, Netherland, hal 1963-1968.
- Basalmah, R.S., 2006, Optimalisasi Kondisi Ekstraksi Kurkuminoid Temulawak: Waktu, Suhu, Dan Nisbah, *Skripsi*, Departemen Kimia Fakultas MIPA, Institut Pertanian Bogor
- BPOM RI., 2005, Gerakan Nasional Minum Temulawak, *InfoPOM*, Badan Pengawas Obat dan Makanan Republik Indonesia, Vol. 6, No. 6 hal: 4
- Chattopadhyay I, Biswas K, Bandyopadhyay U, Banerjee RK., 2004, Turmeric and curcumin: Biological actions and medicinal applications, *Curr. Sci.*, 87. 44-53.
- Choudhary, N and Sekhon B. S., 2011, An overview of advances in the standardization of herbal drugs, PCTE Institute of Pharmacy, Near Baddowal Cantt., (Ludhiana), India.
- Çikrikçi, S, Erkan M, Hasibe Y., 2008, Biological Activity of Curcuminoids Isolated from Curcuma longa, *Rec. Nat. Prod.*, 2:1, hal: 19-24.
- Das KC and Das CK., 2002, Curcumin (diferuloylmethane)a singlet oxygen (1O₂) quencher, *Biochem Biophys Res Commun*, 295: 62–66.
- Depkes RI., 1979, *Materia Medika Indonesia Jilid III*, Departemen Kesehatan Republik Indonesia, Jakarta. hal : 67-69.
- Desbrosses, G., Steinhauser, D., Kopka, J., and Udvardi, M., 2005, *Metabolome Analysis Using GC-MS*, Lotus japonicus Handbook, Chapter 4.6. (online). (www.inia.org.uy/sitios/lnl/ljh2005/udvardi4.pdf).diaksestanggal20 April 2013).
- Fancy, S.A., dan Rumpel, K., 2008, GC-MS-Based Metabolomics, dalam Methods in Pharmacology and Toxicology: Biomarker Methods in Drug Discovery and Development, *Humana Press*, Totowa, hal 317–340.

- Halket, J.M, D., Waterman, A. M., Przyborowska, R. K. P., Patel, P. D., Fraser and P.M. Bramley., 2004, Chemical derivatization and mass spectral libraries in metabolic profiling by GC/MS and LC/MS/MS. *Journal of Experimental Botany*, Vol. 56. No. 410.
- Helen, M.PA., Susheela, G.K., Jayasree, S., Nizzy AM., Rajagopal, B., Jeeva, S., 2012, Phytochemical characterization and antimicrobial activity of Curcuma xanthorrhiza Roxb, *Asian Pacific Journal of Tropical Biomedicine*, Vol 3, 637-640
- Indrayanto, G., 1987, *Produksi Metabolit Sekunder dengan Teknik Kultur Jaringan Tanaman*, Seminar Nasional Metabolit Sekunder, Pusat Antar Universitas, Universitas Gadjah Mada, Yogyakarta. hal : 9-11.
- Jantan, I., Saputri, F.C., Qaisar, M.N., and Buang, F., 2012, Correlation between Chemical Composition of Curcuma domestica and Curcuma xanthorrhiza and Their Antioxidant Effect on Human Low-Density Lipoprotein Oxidation, *Hindawi Publishing Corporation Evidence-Based Complementary and Alternative Medicine*, Vol. 2, 10
- Jarikasem, S., Thubthimthed, S., Chawananoraseth, K., and Suntorntanasat, T., 2005, Essential Oils from Three Curcuma Species Collected in Thailand, *Proc. WOCMAP III, Perspectives in Natural Product Chemistry*, Vol. 3(3), 37-41
- Kamboj, VP., 2000, Herbal medicine, *Curr.Sci*, Vol. 78.No. 1.
- Kunle, O.F., Egharevba, H.O., and Ahmadu, P.O., 2012, Standardization of herbal medicines - A review, *Int. J. Biodivers. Conserv.*, Vol. 4(3). pp. 101-112.
- Li, M., Zhou, X., Yang, Z., Wang, D.P., 2009, Quality Assessment of *Curcuma longa* L. by Gas Chromatography-Mass Spectrometry Fingerprint (GC-MS), *Bull Korean Chem. Soc*, 30 (10), 2287-2293.
- Li, S., Yuan, W., Deng, G., Wang, P., Yang, P., Aggarwal, B.B., 2011, Chemical Composition and Product Quality Control of Turmeric (*Curcuma longa* L.), *pharmaceutical Crops*, Vol. 2, hal, 28-54
- Liang, O.B., Widjaja Y., dan Puspa S., 1985, *Beberapa Aspek Isolasi, Identifikasi, dan penggunaan Komponen – komponen Curcuma Xanthorrhiza Roxb dan Curcuma Domestica Val*, Proseding Simposium Nasional Temulawak. Lembaga Penelitian Universitas Padjajaran, Bandung, Hal 85-92.
- Liang, Y.Z., Xie, P., and Chan, K., 2004, Quality control of herbal medicines, *Journal of Chromatography B*, Vol 812, hal 53–70

- Mangunwardoyo, W., Deasywaty, dan Usia T., 2012, Antimikrobal and Identification of Active Compound *Curcuma xanthorrhiza* Roxb., *International Journal of Basic and Applied Sciences IJBAS-IJENS*, Vol. 12, No. 01, hal. 69-78
- Munson, J.W., 1991, *Analisis Farmasi Metode Modern*, diterjemahkan oleh Harjana dan Parwa A, Airlangga University Press, Surabaya, hal 2–43.
- Mukherjee, P.K., Ponnusankar, S., Venkatesh, P., Gantait, A., and Pal, B.C., 2010, Marker Profiling: An Approach for Quality Evaluation of Indian Medicinal Plants, *Drug Information Journal*, Vol. 45, hlm 1–14.
- Mursyidi, A., 1989, *Analisis Metabolite Sekunder*, PAU Bioteknologi Universitas Gajah Mada, Yogyakarta, hal 1–7, 71–81.
- Nagarajan, S, Kubra IR., and Rao LJ., 2010, Separation of curcuminoids enriched fraction from spent turmeric oleoresin and its antioxidant potential, *J Food Sci.* 75: H158 – H162.
- Nandhasri, P., and Pawa K. K., 2005, Quality Control of Luk Prakop a Thai Herbal Combination, *Proc. WOCMAP III*, Vol. 5, 131-136
- Nishiyama ,T., Mae T., Kishida H., Tsukagawa M., Mimaki Y., Kuroda M., Sashida Y., Takahashi K., Kawada T., Nakagawa K., Kitahara M., 2005, Curcuminoids and sesquiterpenoids in turmeric (*Curcuma longa* L.) suppress an increase in blood glucose level in type 2 diabetic KK-Ay mice, *J. Agric. Food Chem*, 53, 959-963.
- Pandey, A., Katiyar, Sanjay K., 2010, Determination And Comparison of The Curcuminoid Pigments in Turmeric Genotypes (*Curcuma domestica* Val.) by High Performance Liquid Chromatography, *International Journal of Pharmacy and Pharmaceutical Sciences*, 2:4, 125-127.
- Prakasa, D.Y., 2010, Profil Metabolit Volatil Rimpang Temulawak (*Curcuma xanthorrhiza* Roxb.) yang Dipanen pada Waktu Berbeda, *Skripsi*, Fakultas Matematika Dan Ilmu Pengetahuan Alam Institut Pertanian Bogor, Bogor.
- Pothitirat, W., and Gritsanapan W., 2005, Quantitative Analysis of Curcumin, Demethoxycurcumin and Bisdemethoxycurcumin in the Crude Curcuminoid Extract from *Curcuma longa* in Thailand by TLC Densitometry, *Mahidol Univ J Pharm Sci*, Bangkok. Thailand.
- Qin, N.Y., F.Q.Yang, Y.T.Wang, S.P.Li., 2007, Quantitative determination of eight components in rhizoma (Jianghuang) and tuberous root (Yujin) Of Curcuma longa using pressurized liquid extraction and Gas Chromatography, *Journal of Pharm Biomed Anal*, Vol.43 hal 486- 492.

- Rohman, A., 2009, *Kromatografi untuk Analisis Obat*, Graha Ilmu, Yogyakarta. hal 181-182.
- Rohman, A., 2012, Analysis of curcuminoids in food and pharmaceutical products. *International Food Research Journal* 19(1): 19-27.
- Sari, D.L.N., Cahyono, B., dan Kumoro, A.C., 2013, Pengaruh Jenis Pelarut pada Ekstraksi Kurkuminoid dari Rimpang Temulawak (*Curcuma xanthorrhiza* Roxb.), *Chem info*, Vol. 1, No. 1, Hal 101-107.
- Sarker, S.D., Latif, Z., Gray, A.I., 2006, *Natural Products Isolation, Second Edition*, Humana Press, Totowa, New Jersey. Hal 36-37
- Sethi, G., Bokyung S., and Bharat B. A., 2009, *The Role of Curcumin in Modern Medicine in Herbal Drugs : Ethnomedicine to Modern Medicine*, Springer-Verlag Berlin Heidelberg, hal: 97-98.
- Singh, R., Chandra, R., Bose, M., Luthra, P.M., 2002, Antibacterial activity of *Curcuma longa rhizome* extract on pathogenic bacteria, *Current Science* 83: 737 – 740.
- Srimal, RC., and Dhawan BN., 1973, Pharmacology of diferuloyl methane (curcumin), a non steroidal anti-inflammatory agent, *J Pharm Pharmacol.* India vol 10 (2), hal 247-250.
- Tjitosoepomo, G., 2002, *Taksonomi Tumbuhan (Spermatophyta)*, UGM Press, Yogyakarta.
- Villas-Boás SG., Mas S., Akesson M., Smedsgaars J & Nielsen J., 2005, Mass Spectrofotometry in Metabolome Analysis, *Mass Spectrofotometry Review* 24. 613-646.
- Yang, F.Q., Li, S.P., Zhao, J., Lao, S.C., Wang, Y.T., 2007, Optimization of GC-MS conditions based on resolution and stability of analytes for simultaneous determination of nine sesquiterpenoids in three species of *Curcuma* rhizomes, *Journal of Pharmaceutical and Biomedical Analysis*, Vol 43, pp. 73-82
- Zeng J., Ren L., Xu Y., Dai P., Chen X., Wang J., Wang X., Wang J., 2012, Study on spectrum-effect relationship between fingerprint of essential oil and of anti-tumor effect from *Curcuma kwangsiensis*, *African Journal of Pharmacy and Pharmacology*, Vol. 6(18), pp. 1348-1351.