

DAFTAR PUSTAKA

- Abdurrahman, N. 2019. Kurkumin pada *Curcuma longa* sebagai Tatalaksana Alternatif Kanker. *J. Agromedicine*. 6. (2): 410–415.
- Allegra, A., Innao, V., Russo, S., Gerace, D., Alonci, A., and Musolino, C., 2017. Anticancer Activity of Curcumin and Its Analogues: Preclinical and Clinical Studies. *Cancer Investigation*. 35. (1): 1–22.
- Lechtenberg, M., Quandt, B., and Nahrstedt, A. 2004. Quantitative determination of curcuminoids in Curcuma rhizomes and rapid differentiation of Curcuma domestica Val. and Curcuma xanthorrhiza Roxb. by capillary electrophoresis. *Phytochemical Analysis: An International Journal of Plant Chemical and Biochemical Techniques*. 15.(3): 152-158.
- Anand, P., Kunnumakkara, A.B., Newman, R.A., Aggarwal, B.B., 2007. Bioavailability of curcumin: Problems and promises. *Molecular Pharmaceutics*. 4. (6): 807–818.
- Ardhani, S., Kurniawaty, E., dan Putri, G. T. 2018. Efektivitas Ekstrak Kunyit (*Curcuma domestica*) Sebagai Terapi Non Farmakologi Dislipidemia dan Antiaterosklerosis. *Jurnal Medula*. 7.(5): 194-198.
- Ashraf, K. and Sultan, S. 2017. A comprehensive Review on *Curcuma longa* Linn.: Phytochemical, Pharmacological, and molecular study. *International Journal of Green Pharmacy (IJGP)*.11. (4): 671–685.
- Asnia, M., Ambarwati, N. S. S., & Siregar, J. S. 2019. Pemanfaatan Rimpang Kunyit (*Curcuma domestica* Val.) Sebagai Perawatan Kecantikan Kulit. *Proceeding SENDI_U*, Hal. 697-703.
- Cahyono, B., Ariani, J., Failasufa, H., Suzery, M., Susanti, S., and Hadiyanto, H. 2019. Extraction of Homologous Compounds of Curcuminoid Isolated from Temulawak (*Curcuma xanthorrhiza* roxb.) Plant. *Rasayan J. Chem.* 12. (1): 7-13.
- Chao, I.C., Wang, C.M., Li, S.P., Lin, L.G., Ye, W.C., Zhang, Q.W., 2018. Simultaneous Quantification of Three Curcuminoids and Three Volatile Components of *Curcuma longa* using Pressurized Liquid Extraction and High-performance Liquid Chromatography. *Molecules*. 23. (7): 1568.
- Departemen Kesehatan Republik Indonesia. 1983. *Pemanfaatan Tanaman Obat*. Direktorat Jenderal Pengawasan Obat dan Makanan. Jakarta.

- Departemen Kesehatan RI. 2008. *Farmakope Herbal Indonesia edisi I.* Jakarta.
- Departemen Kesehatan Republik Indonesia. 2000. *Penetapan Standar Umum Ekstrak Tumbuhan Obat. Direktorat Jenderal Pengawasan Obat dan Makanan.* Jakarta.
- Day, J.R. dan Underwood, W.L. 2002. *Analisis Kimia Kuantitatif Edisi IV.* Erlangga : Jakarta.
- Dettmer, K., Arnov, P.A., and Hammock, B. D. 2007. Mass spectrometry-based metabolomics. *Mass Spectrum. Rev.* 26, 51-78
- Farhood, B., Mortezaee, K., Goradel, N.H., Khanlarkhani, N., Salehi, E., Nashtaei, M.S., Najafi, M., and Sahebkar, A., 2019. Curcumin as an anti-inflammatory agent: Implications to radiotherapy and chemotherapy. *Journal of Cellular Physiology.* 234. (5): 5728-5740.
- Fadhlurrahma, A., Saepudin, E., Rahayu, D.U.C. 2020. Acetylation of Curcuminoids Extract from Turmeric Rhizomes (*Curcuma longa*) as Antibacterial Compounds Against *S. aureus* and *E. coli*. In *IOP Conference Series: Materials Science and Engineering.* 902. (1): 1-6.
- Gandjar, I. G. dan Rohman, A., 2007, Kimia Farmasi Analisis, Pustaka Pelajar, Yogyakarta.
- Indira Priyadarsini, K., 2013. Chemical and Structural Features Influencing the Biological Activity of Curcumin. *Current pharmaceutical design.* 19. (11): 2093-2100.
- Indrayanto, G. 2011. Analytical Aspects of High Performance Thin Layer Chromatography. *Plant Biotechnology Research Group and Assessment Service Unit, Faculty of Pharmacy Airlangga University.* 179-201.
- Jacob, J.N., Badyal, D.K., Bala, S., Toloue, M. 2013. Evaluation of the in vivo anti-inflammatory and analgesic and in vitro anti-cancer activities of curcumin and its derivatives. *Natural Product Communication.* 8. (3): 359–362.
- Kristanti, A, N., Aminah, N.S., Tanjung, M., Kurniadi, B. 2008. *Buku Ajar Fitokimia.* Surabaya: Airlangga University Press.
- Kaur, S., Modi, N.H., Panda, D., Roy, N. 2010. Probing The Binding Site of Curcumin in *Escherichia coli* and *Bacillus subtilis* FtsZ - A Structural

- Insight to Unveil Antibacterial Activity of Curcumin. *European Journal of Medicinal Chemistry*, 45. (9): 4209-4214.
- Kulkarni, S.K., Dhir, A., Akula, K.K. 2009. Potentials of Curcumin as an Antidepressant. *Scientific World Journal*. 9. 1233–1241.
- Liang, Y.Z., Xie, P., Chan, K. 2004. Quality Control of Herbal Medicines. *Journal of Chromatography B*. 812. (1-2): 53-70.
- Leba Maria Aloisia Uron. 2017. *Ekstraksi dan Real Kromatografi*. Yogyakarta. Deepublish.
- Musyarrofah, L., Saepudin, E., Rahayu, D.U.C. 2020. Acetylation of curcumin from turmeric rhizome (*Curcuma longa*) with Ni/SiO₂ and pyridine catalysts and its antibacterial activity. In *AIP Conference Proceedings*. 2242. (1): 040037. AIP Publishing LLC.
- Najib, A. 2018. *Ekstraksi Senyawa Bahan Alam*. Deepublish. Yogyakarta.
- Rahmawati, E.N., dan Teruna, H., A, Z. 2018. Sintesis dan Uji Toksisitas Senyawa Analog Kurkumin 3,5-bis((e)-metoksi benziliden)-1-(fenilsulfonil)-piperidin-4-on. *Jurnal Sain dan Kesehatan*. 9.(1): 151-158.
- Pratama, R. N., Widarta, I. W. R., and Darmayanti, L. P. T. Effect of The Solvent Type and Extraction Time with Soxhlet Method of Antioxidant Activity of Avocado (*Persea americana* Mill.) Seed Oil. *Media Ilmiah Teknologi Pangan Scientific Journal of Food Technology*. 4. (2): 85-93.
- Rubiyanto, D. 2017. *Metode Kromatografi: Prinsip Dasar, Praktikum Dan Pendekatan Pembelajaran*. Yogyakarta: Deepublish.
- Rohman, A. 2020. *Analisis Dengan Kromatografi Cair*. Yogyakarta: Gadjah mada University Press.
- Santoso, B., Rosmalawati, S., dan Yunianto, P., M, A., . S. 2012. Seleksi Metoda Ekstraksi Kurkuminoid Untuk Menentukan Kualitas Rimpang Temulawak (*Curcuma xanthorrhiza* Roxb.). *Jurnal Tumbuhan Obat Indonesia*. 5. (2): 101–111.
- Reddy, A. S., Lakshmi, B. A., Kim, S., and Kim, J. 2019. Synthesis and Characterization of Acetyl Curcumin-loaded core/shell Liposome Nanoparticles via an Electrospray Process for Drug Delivery, and Theranostic Applications. *European Journal of Pharmaceutics and Biopharmaceutics*. 142. 518-530.

- Susanti, M dan Dachriyanus, 2010. *Kromatografi Cair Kinerja Tinggi*. Lembaga Pengembangan Teknologi Informasi dan Komunikasi: Universitas Andalas.
- Syamsudin, R. A. M. R., Perdana, F., dan Mutiaz, F. S. 2019. Review: Tanaman Temulawak (*Curcuma xanthorrhiza* Roxb) sebagai Obat Tradisional. *Jurnal Ilmiah Farmako Bahari*. 10.(1): 51-65.
- Venn. R. F. 2008. *Principles and Practice of Bioanalysis*. Second Edition. New York. CRC Press
- Wahyuningtyas, S. E. P., Permana, D. G. M., dan Wiadnyani, A. A. I. S. 2017. Pengaruh Jenis Pelarut Terhadap Kandungan Senyawa Kurkumin dan Aktivitas Antioksidan Ekstrak Kunyit (*Curcuma domestica* Val.). *Jurnal ITEPA*. 6.(2): 61-70.
- Winarto, 2004. *Khasiat dan Manfaat Kunyit*. Agro Media Pustaka: Jakarta
- Wikara, T., Sulistiowaty, A., Murhandini, S., dan Usia, T. 2016. Fingerprint Study of Curcuma xanthorrhiza Rhizome by High Performance Thin Layer Chromatography (HPTLC). *Jurnal Jamu Indonesia*. 1.(2): 9-14.
- Wright, J.S. 2002. Predicting the Antioxidant Activity of Curcumin and Curcuminoids. *Journal of Molecular Structur (Theochem)*. 591.(1-3): 207–217.
- Zhuang, X.D., Liao, L.Z., Dong, X.B., Hu, X., Guo, Y., Du, Z.M., Liao, X.X., Wang, L.C., 2016. Design, Synthesis, and Antihypertensive Activity of Curcumin-Inspired Compounds via ACE Inhibition and Vasodilation, Along With a Bioavailability Study for Possible Benefit in Cardiovascular Diseases. *Drug Design, Development and Therapy*. 10. 129–139.

LAMPIRAN

Lampiran 1. Skema Kerja Penelitian