

## DAFTAR PUSTAKA

- Ajanal, M., Gundkalle, M.B., Nayak, S.U., 2018. Estimation of total alkaloid in Chitrakadivati by UV - Spectrophotometer. *Department of Medical Research Center, Belgaum* 31, 2–5.
- Arabshahi-Delouee, S., Urooj, A., 2007. Antioxidant properties of various solvent extracts of mulberry (*Morus indica* L.) leaves. *Food Chemistry* 102, 1233–1240.
- Badakhshan Mahdi Pour, Subramanion L Jothy, Lachimanan Yoga Latha, Yeng Chen, S.S., 2012. Antioxidant activity of metanol extracts of different parts of *Lantana camara*. Elsevier 1–6.
- Bhattacharya, S., 2021. Central Composite Design for Response Surface Methodology and Its Application in Pharmacy. *Response Surface Methodology Engineering Science*.
- Boro, H., Das, S., Middha, S.K., 2021. The therapeutic potential and the health benefits of *Morus indica* Linn.: a mini review. *Advances in Traditional Medicine* 21, 241–252.
- Breton, R.G., 2003. Chemometrics: Data Analysis for The Laboratory and Chemical Plant. Bristol: Wiley
- Cavuldak, A.Ö., Vural, N., Akay, M.A., Anlı, R.E., 2019. Optimization of ultrasound-assisted water extraction conditions for the extraction of phenolic compounds from black mulberry leaves (*Morus nigra* L.). *Journal of Food Process Engineering* 42, 1–15.
- Chatterjee, G.K., Burman, T.K., Nagchaudhuri, A.K., Pal, S.P., 1983. Antiinflammatory and antipyretic activities of *Morus indica*. *Planta Medica* 48, 116–119.
- Correia, R.T., Borges, K.C., Medeiros, M.F., Genovese, M.I., 2012. Bioactive compounds and phenolic-linked functionality of powdered tropical fruit residues. *Food Science and Technology International* 18, 539–547.
- De la Rosa, L.A., Moreno-Escamilla, J.O., Rodrigo-García, J., Alvarez-Parrilla, E., 2018. Phenolic compounds, Postharvest Physiology and Biochemistry of Fruits and Vegetables. Elsevier Inc.
- Departemen Kesehatan Republik Indonesia. 2017. *Pemanfaatan Tanaman Obat. Direktorat Jenderal Pengawasan Obat dan Makanan*. Jakarta : Departemen Kesehatan Republik Indonesia

- Endarini, L.H., 2016. *Farmakognosi dan Fitokimia*, Edisi I. Jakarta Selatan : Kementrian Kesehatan Republik Indonesia.
- Erbay, Z., Icier, F., 2009. Optimization of hot air drying of olive leaves using response surface methodology. *Journal of Food Engineering* 91, 533–541.
- Ercisli, S., Orhan, E., 2007. Chemical composition of white (*Morus alba*), red (*Morus rubra*) and black (*Morus nigra*) mulberry fruits. *Food Chemistry* 103, 1380–1384.
- Espada-Bellido, E., Ferreiro-González, M., Carrera, C., Palma, M., Barroso, C.G., Barbero, G.F., 2017. Optimization of the ultrasound-assisted extraction of anthocyanins and total phenolic compounds in mulberry (*Morus nigra*) pulp. *Food Chemistry* 219, 23–32.
- Gajic, I.S., Savic, I., Boskov, I., Žerajić, S., Markovic, I., Gajic, D., 2019. Optimization of ultrasound-assisted extraction of phenolic compounds from black locust (*Robinia pseudoacacia*) flowers and comparison with conventional methods. *Antioxidants* 8, 1–14.
- Gandjar, I.G., Rohman, A., 2007. *Kimia Farmasi Analisis*. Yogyakarta : Pustaka Pelajar.
- Halin, H., 2018. Pengaruh Kualitas Produk Terhadap Kepuasan Pelanggan Semen Baturaja Di Palembang Pada Pt Semen Baturaja (Persero). *Jurnal EcoMent Global* 3, 79–94.
- Handa, S.S., Khanuja, S.P.S., Longo, G., Rakesh, D.D., 2008. *Extraction Technologies for Medicinal and Aromatic Plants*. United Nations Industrial Development Organization and the International Centre for Science and High Technology, Italy.
- Hanani, E. 2015. *Analisis Fitokimia*. Jakarta: EGC.
- Hussain, F., Rana, Z., Shafique, H., Malik, A., Hussain, Z., 2017. Phytopharmacological potential of different species of *Morus alba* and their bioactive phytochemicals : A review *Asian Pacific Journal of Tropical Biomedicine* 7, 950–956.
- Indonesia, D.K.R., 2008. *Farmakope Herbal Indonesia, Farmakope Herbal Indonesia*. Jakarta : Departemen Kesehatan Republik Indonesia.
- Iriawan, N. dan S. P. Astuti. 2006. *Mengolah Data Statistik dengan Mudah. Menggunakan Minitab 14*. Yogyakarta : Penerbit Andi.
- Jahromi, S.G., 2019. Extraction Techniques of Phenolic Compounds from Plants. *Plant Physiological Aspects of Phenolic Compounds*.

- Julianto, S.J., 2019. Fitokimia Tinjauan Metabolit Sekunder dan Skrining Fitokimia. Yogyakarta : Universitas Islam Indonesia.
- Keshani, S., Luqman Chuah, A., Nourouzi, M.M., Russly, A.R., Jamilah, B., 2010. Optimization of concentration process on pomelo fruit juice using response surface methodology (RSM). *International Food Research Journal* 17, 733–742.
- Lakshmi, P., Seru, G., K Mary, B., 2013. Chemical and Biological Examination of Leaves of *Morus indica*. *International Food Research Journal* 4, 173–177.
- Marzuki, A., 2019. *Kimia Analisis Farmasi*, Edisi ketiga. Makassar : CV.21COM.
- Miller, J.C., Miller J., N., 2000. *Statistic and Chemometrics for Analytical Chemistry*, Ed ke-4, Harlow: Pearson Education.
- Montgomery, D.C. 2001. *Design and Analysis of Experiments*. John Wiley and Sons, New York.
- Najib, A., 2018. *Ekstraksi Senyawa Bahan Alam*. Yogyakarta : Penerbit Deepublish.
- Niratker, C., Singh, M., Biotechs, D., 2014. Preliminary phytochemical screening of leaf extract of mulberry *morus indica* from chhattisgarh. *International Journal Application Biological Pharmacy Technology* 5, 131–136.
- Paiman, 2019. *Korelasi Dan Regresi Ilmu-Ilmu Pertanian*. Yogyakarta : UPY Press.
- Perincek, O., Colak, M., 2013. Use of Experimental Box-Behnken Design for the Estimation of Interactions Between Harmonic Currents Produced by Single Phase Loads. *International Journal of Engineering Research and Applications* 3, 158–165.
- Prasad, L., Khan, T.H., Sehwat, A., Sultana, S., 2010. Modulatory effect of *Morus indica* against two-stage skin carcinogenesis in Swiss albino mice: possible mechanism by inhibiting aryl hydrocarbon hydroxylase . *Journal of Pharmacy and Pharmacology* 56, 1291–1298.
- Prayitno, S.A., Kusnadi, J., Murtini, E.S., 2016. Antioxidant activity of red betel leaves extract (*Piper crocatum* Ruiz & Pav.) by difference concentration of solvents. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 7, 1836–1843.
- Riptanti, E.W., Qonita, R.A., Fajarningsih, R.U., 2018. The competitiveness

- of medicinal plants in Central Java Indonesia. *IOP Conference Series: Earth and Environmental Science* 142.
- Saifudin, A., Rahayu., Teruna. 2011. *Standarisasi Bahan Obat Alam*. Yogyakarta : Graha Ilmu.
- Santosa, B. 2007. *Data Mining Teknik Pemanfaatan Data untuk Keperluan Bisnis*. Yogyakarta : Graha Ilmu.
- Sari, D.K., Sulisty, R., Lestari, D., M, M.R.K., Lusi, T., 2018. Extraction Total Phenolic Content of Ketapang Leaves (*Terminalia catappa*) using Ultrasonic. *World Chemical Engineering Journal* 2, 6–11.
- Shadmani, A., Azhar, I., Mazhar, F., Hassan, M.M., Ahmed, S.W., Ahmad, I., Usmanghani, K., Shamim, S., 2004. Kinetic studies on Zingiber officinale. *Pakistan journal of pharmaceutical sciences* 17, 47–54.
- Suhartati, T., 2017. *Dasar-Dasar Spektrofotometri Uv-Vis Dan Spektrometri Massa Untuk Penentuan Struktur Senyawa Organik*. Bandar Lampung. : AURA, CV. Anugrah Utama Raharja.
- Susanty, F.B., 2016. Perbandingan Metode Ekstraksi Maserasi dan Refluks terhadap Kadar Fenolik dari Ekstrak Tongkol Jagung (*Zea mays L.*). Universitas Muhammadiyah Jakarta 87–93.
- Tian, B., Qiao, Y. yun, Tian, Y. yu, Xie, K. chang, Li, D. wei, 2016. Effect of heat reflux extraction on the structure and composition of a high-volatile bituminous coal. *Applied Thermal Engineering* 109, 560–568.
- Truong, D., Nguyen, D.H., Thuy, N., Ta, A., Bui, A.V., Do, T.H., 2019. Evaluation of the Use of Different Solvents for Phytochemical Constituents , Antioxidants , and In Vitro Anti-Inflammatory Activities of *Severinia buxifolia*. *Journal of Food Quality* 1-9.
- Vijayan, K., 2010. The emerging role of genomic tools in mulberry (*Morus*) genetic improvement. *Tree Genetics and Genomes* 6, 613–625.
- Voight, R. 1994. *Buku Pengantar Teknologi Farmasi*, diterjemahkan oleh Soedani, N., Edisi V. Yogyakarta: Universitas Gadjah Mada Press.
- Wagner, H. and Bladt, S. 2001. *Plant Drugs Analisis, a Thin Layer Chromatography. 2nd Edition*, Springer-Verlag Berlin, Heidelberg, New York.
- Wulandari, L., 2011. *Kromatografi Lapis Tipis*. Jember : PT. Taman Kampus Presindo.

Zhang, Q.W., Lin, L.G., Ye, W.C., 2018. Techniques for extraction and isolation of natural products: A comprehensive review. *Chinese Medical United Kingdom* 13, 1–26.

# LAMPIRAN

## Lampiran 1. Skema Kerja Penelitian

### Lampiran 1.1. Metode Kerja



