

DAFTAR PUSTAKA

- Algan Cavuldak, Ö., Vural, N., Akay, M.A., Anli, 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*. Vol. 42, No. 5, Hal. 1-15.
- Arshad, M.A., Mir, A.K., Mushtaq, A., Mamoona, M., Muhammad, Z., Shazai, S., Zia-u-Rehman, M., Zahid, U., 2014. Ethnobotanical and taxonomic screening of genus *Morus* for wild edible fruits used by the inhabitants of Lesser Himalayas-Pakistan. *Journal of Medicinal Plants Research* Vol. 8, No. 25, Hal. 889–898.
- Chen, H., Pu, J., Liu, D., Yu, W., Shao, Y., Yang, G., Xiang, Z., He, N., 2016. Anti-inflammatory and antinociceptive properties of flavonoids from the fruits of black mulberry (*Morus nigra* L). *PLoS One*, Vol. 11, No. 4, Hal. 1–14.
- Ciko, A.M., Jokić, S., Šubarić, D., Jerković, I., 2018. Overview on the application of modern methods for the extraction of bioactive compounds from marine macroalgae. *Marine Drugs* 16. Vol. 16, No. 10, Hal. 1-20.
- Departemen Kesehatan RI, 1986. *Sediaan Galenika*. Jakarta.
- Departemen Kesehatan RI, 1995. *Farmakope Indonesia*. Jakarta.
- Departemen Kesehatan RI, 2000. *Parameter Standar Umum Ekstrak Tumbuhan Obat*. Jakarta.
- Departemen Kesehatan RI, 2017. *Pemanfaatan Tanaman Obat*. Direktorat

Jenderal Pengawasan Obat dan Makanan. Jakarta.

Hago, S., Mahrous, E.A., Moawad, M., Abdel-Wahab, S., Abdel-Sattar, E., 2021. Evaluation of antidiabetic activity of *Morus nigra* L. and *Bauhinia variegata* L. leaves as Egyptian remedies used for the treatment of diabetes. *Natural Product Research*, Vol. 35, No. 5, Hal. 829–835.

Khalid, N., Fawad, S.A., Ahmed, I., 2011. Antimicrobial Activity, Phytochemical Profile and Trace Minerals of Black Mulberry (*Morus Nigra* L.) Fresh Juice. *Pakistan Journal of Botany*. Vol. 43, No. 1, Hal. 91–96.

Khunt, R.C., 2016. *Organic Spectroscopy*. Departement of Chemistry. Canada.

Kunarto, B., Sutardi, S., Supriyanto, S., Anwar, C., 2019. Optimasi Ekstraksi Berbantu Gelombang Ultrasonik pada Biji Melinjo Kerikil (*Gnetum gnemon* L.) Menggunakan Response Surface Methodology. *Jurnal Aplikasi Teknologi Pangan*, Vol. 8, No. 3, Hal. 104.

Leba, M.A.U., 2017. *Buku Ajar: Ekstraksi dan Real Kromatografi*, Ed. 1. ed. Deepublish, Yogyakarta.

Lim, S.H., Choi, C.I., 2019. Pharmacological properties of *Morus nigra* L. (Black Mulberry) as a promising nutraceutical resource. *Nutrients*, Vol. 11, No. 2, Hal. 1–18.

Myers, R.H., Montgomery, D.C., Anderson-cook, C.M., 2016. *Response Surface Methodology: Process and Product Optimization Using*

- Designed Experiments*, Fourth Edition. John Wiley & Sons, Canada.
- Najib, A., 2018. *Ekstraksi Senyawa Bahan Alam*. Deepublish, Yogyakarta.
- Padilha, M.M., Vilela, F.C., Rocha, C.Q., Dias, M.J., Soncini, R., Dos Santos, M.H., Alves-Da-Silva, G., Giusti-Paiva, A., 2010. Antiinflammatory properties of *Morus nigra* leaves. *Phytotherapy Research*. Vol. 24, No. 10, Hal. 1496–1500.
- Paiman, 2019. *Teknik Analisis Korelasi dan Regresi Ilmu-Ilmu Pertanian*. Penerbit UPY Press. Yogyakarta.
- Qadir, M.I., Ali, M., Ibrahim, Z., 2014. Anticancer activity of *Morus nigra* leaves extract. *Bangladesh Journal of Pharmacology*. Vol. 9, No. 4, Hal. 171–179.
- Quintero Quiroz, J., Naranjo Duran, A.M., Silva Garcia, M., Ciro Gomez, G.L., Rojas Camargo, J.J., 2019. Ultrasound-assisted extraction of bioactive compounds from annatto seeds, evaluation of their antimicrobial and antioxidant activity, and identification of main compounds by LC/ESI-MS analysis. *International Journal of Food Science* Vol. 2019, No. 125, Hal. 5–7.
- Razdan, M.K., Thomas, D.T., 2021. *Mulberry : Peningkatan Genetik dalam Konteks Perubahan Iklim*. CRC Press. India.
- Şahin, S., Şamli, R., 2013. Optimization of olive leaf extract obtained by ultrasound-assisted extraction with response surface methodology. *Ultrasonics Sonochemistry*. Vol. 20, No. 1, Hal. 595–602.
- Sánchez-Salcedo, E.M., Mena, P., García-Viguera, C., Hernández, F.,

- Martínez, J.J., 2015. (Poly)phenolic compounds and antioxidant activity of white (*Morus alba*) and black (*Morus nigra*) mulberry leaves: Their potential for new products rich in phytochemicals. *Journal of Functional Foods*. Vol. 18, No. 1, Hal. 1039–1046.
- Simamora, B., 2005. *Analisis Multivariat Pemasaran*. PT. Gramedia Pustaka Utama. Jakarta.
- Stroka, J., Spangenberg, B., Anklam, E., 2002. New approaches in TLC-densitometry. *Journal of Liquid Chromatography and Related Technologies*. Vol. 25, No. 10, Hal. 1497–1513.
- Widyastuti, I., Luthfah, H.Z., Hartono, Y.I., Islamadina, R., Can, A.T., Rohman, A., 2020. Antioxidant Activity of Temulawak (*Curcuma xanthorrhiza* Roxb.) and its Classification with Chemometrics. *Indonesia Journal Chemometrics and Pharmaceutical Analysis* Vol. 02, Hal. 1, Hal. 29.
- Zeni, A.L.B., Moreira, T.D., Dalmagro, A.P., Camargo, A., Bini, L.A., Simionatto, E.L., Scharf, D.R., 2017. Evaluation of phenolic compounds and lipid-lowering effect of *Morus nigra* leaves extract. *Anais da Academia Brasileira de Ciencias*. Vol. 89, No. 4, Hal. 2805–2815.
- Zhang, Q.W., Lin, L.G., Ye, W.C., 2018. Techniques for extraction and isolation of natural products: A comprehensive review. *Chinese Medicine (United Kingdom)* Vol. 13, No. 1, Hal. 1–26.

LAMPIRAN

Lampiran 1. Skema Kerja Penelitian

