

DAFTAR PUSTAKA

- Agustina, W., Nurhamidah, dan Handayani, D. 2017. Skrining Fitokimia dan Aktivitas Antioksidan Beberapa Fraksi dari Kulit Batang Jarak (*Ricinus communis* L.). *Jurnal Pendidikan dan Ilmu Kimia*. **1**(2).
- Ajizah, A. 2004. Sensitivitas *Salmonella typhimurium* terhadap Ekstrak Daun *Psidium Guajava* L. *Bioscientie*. **1** (1): 31- 38.
- Astuti, J., Rudiyanasyah, dan Gusrizal., 2013. Uji fitokimia dan aktivitas antioksidan tumbuhan paku uban (*Nephrolepis biserrata* (Sw) Schott). *Jurnal Kimia dan Kemasan*. **2**(2): 118-122.
- Barros, G.O.F., Tamagawa, R.E., Santana, C.C. and Miranda, E.A., 2009. Ternary Phase Diagram of Ketamine in Ethanol and Preliminary Studies aiming at Enantioselective Crystallization of S-ketamine. *Brazilian Journal of Chemical Engineering*, **26**(2), pp.427-434.
- Becker, J.S., 2007. *Inorganic mass spectrometry: principles and applications* (p. 514). Chichester, England: John Wiley & Sons.
- Benavente-Garcia, O., Castillo, J., Lorente, J., Ortuño, A.D.R.J. and Del Rio, J.A., 2000. Antioxidant activity of phenolics extracted from *Olea europaea* L. leaves. *Food chemistry*, **68**(4), pp.457-462.
- Bonner, F.T. and Karrfalt, R.P., 2008. The woody plant seed manual. *Agric. Handbook No. 727*. Washington, DC. US Department of Agriculture, Forest Service. **1223** p., 727.
- Boss, A., Bishop, K.S., Marlow, G., Barnett, M.P. and Ferguson, L.R., 2016. Evidence to support the anti-cancer effect of olive leaf extract and future directions. *Nutrients*, **8**(8), p.513.
- Brenton, C.M, Warnock, P, Berville, A.J., 2012. *Origin and History of Olive*. Intech, France.
- Chebbi Mahjoub, R., Khemiss, M., Dhidah, M., Dellaï, A., Bouraoui, A. and Khemiss, F., 2011. Chloroformic and methanolic extracts of *Olea europaea* L. leaves present anti-inflammatory and analgesic activities. *International Scholarly Research Notices*.
- Chimi, H., Morel, I., Lescoat, G., Padeloup, N., Cillard, P. and Cillard, J., 1995. Inhibition of iron toxicity in rat hepatocyte culture by natural phenolic compounds. *Toxicology in vitro*, **9**(5), pp.695-702.

- Coskun, O., 2016, Separation Techniques: Chromatography, *North Clin Istanbul*, **3**(2), 156–160.
- Cotran, R.S., Kumar, V. and Robbins, S., 2007. *Buku Ajar Patologi edisi 7. Volume ke-1*. Prasetyo A, Pendit BU, Priliono, penerjemah.
- Cushnie, T., J. L, A., dan Benjamar, C. (2014). Alkaloids: An overview of their antibacterial, antibiotic-enhancing and antivirulence activities. *International Journal of Antimicrobial Agents*, **44**(5), 377–386.
- Darwis, D., 2000. *Teknik Dasar Laboratorium dalam Penelitian Senyawa Bahan Alam Hayati*, Universitas Andalas, Padang.
- Departemen Kesehatan, 2000, *Parameter Standar Umum Ekstrak Tumbuhan Obat*, Departemen Kesehatan RI, Jakarta, **pp.3-30**
- Dewatisari, W.F., 2020. Perbandingan pelarut etanol dan kloroform terhadap rendemen ekstrak daun lidah mertua (*Sansevieria trifasciata*. Prain) menggunakan metode maserasi. In Prosiding *Seminar Nasional Biologi* (Vol. **6**, No. **1**, pp. 127-132).
- Dziedzic SZ, Hudson B.J.F. 1983. Polyhydroxychalcones and flavanones as antioxidant for edible oils. *Food Chem*; **12**:205–12.
- Emwas, A.H.M., Al-Talla, Z.A., Yang, Y. and Kharbatia, N.M., 2015. *Gas chromatography–mass spectrometry of biofluids and extracts*. In *Metabonomics* (pp. 91-112). Humana Press, New York, NY.
- Fauziah, M.U., Supriadin, A. and Berghuis, N.T., 2017. Aktivitas Antioksidan Ekstrak Metanol pada Ekstrak Virgin Minyak Zaitun Kemasan. *al-Kimiya: Jurnal Ilmu Kimia dan Terapan*, **4**(2), pp.61-69.
- Ferdiansyah, I.A., 2006. Ekstraksi Daun Mindi (*Melia Adedarach Linn*) Kering Secara Maserasi Menggunakan Pelarut Etanol 90%. *Skripsi*. Jurusan Pertanian. Fakultas Teknologi Pertanian, Universitas Brawijaya. Malang.
- Ferreira, I.C., Barros, L., Soares, M.E., Bastos, M.L. and Pereira, J.A., 2007. Antioxidant activity and phenolic contents of *Olea europaea* L. leaves sprayed with different copper formulations. *Food Chemistry*, **103**(1), pp.188-195.
- Gan, J., Feng, Y., He, Z., Li, X. and Zhang, H., 2017. Correlations between antioxidant activity and alkaloids and phenols of maca (*Lepidium meyenii*). *Journal of Food Quality*, 2017.

- Haeborne. 1987. *Metode Fitokimia: Penuntun Cara Modern Menganalisis Tumbuhan*, Terj. Kosasih Padmawinata dan Iwang Soediro. Bandung: ITB Press.
- Ham, M., 2006. *Kamus Kimia*. Jakarta: PT. Bumi Aksar.
- Handa, S.S., Khanuja, S.P.S., Longo, G. and Rakesh, D.D., 2008. Extraction Technologies for Medicinal and Aromatic Plants,(1stedn), no. 66. *Italy: United Nations Industrial Development Organization and the International Centre for Science and High Technology*, pp.747-752.
- Hashmi, M.A., Khan, A., Hanif, M., Farooq, U. and Perveen, S., 2015. Traditional uses, phytochemistry, and pharmacology of *Olea europaea* (olive). *Evidence-Based Complementary and Alternative Medicine*, 2015.
- Hawwa, Said., 2006, *Ar-rasul shallallahua'laihi wa sallam, 1st ed.*, Suminarsih W, Gema Insani Press, vol. 536, Jakarta.
- Heleno, S.A., Ferreira, I.C., Esteves, A.P., Ćirić, A., Glamočlija, J., Martins, A., Soković, M. and Queiroz, M.J.R., 2013. Antimicrobial and demelanizing activity of *Ganoderma lucidum* extract, p-hydroxybenzoic and cinnamic acids and their synthetic acetylated glucuronide methyl esters. *Food and chemical toxicology*, **58**, pp.95-100.
- Heliawati, L., Suchyadi, Y. and Iryani, A., 2018. *Kimia Organik 2*. pp 79.
- Herina, C.L.O., 2017. Uji Aktivitas Antioksidan Ekstrak Daun Zaitun (*olea europaea* L.) menggunakan Pelarut Etanol dengan Metode DPPH. *Skripsi*. Jurusan Kedokteran. Fakultas Kedokteran, Universitas Islam Negeri Syarif Hidayatullah. Jakarta.
- 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. *Evidence-Based Complementary and Alternative Medicine*, 2012.
- Julianto,T.S. 2019. *Fitokimia Tinjauan Metabolit Sekunder dan Skrining Fitokima*. Yogyakarta: Universitas Islam Indonesia.
- Kemit, N., Widarta, I.W.R. and Nocianitri, K.A., 2016. Pengaruh Jenis Pelarut dan Waktu Maserasi terhadap Kandungan Senyawa Flavonoid dan Aktivitas Antioksidan Ekstrak Daun Alpukat (*Persea Americana* Mill). *Jurnal Ilmu dan Teknologi Pangan (ITEPA)*, **5(2)**, pp.130-141.
- Khayyal, M.T., El-Ghazaly, M.A., Abdallah, D.M., Nassar, N.N., Okpanyi, S.N.

- and Kreuter, M.H., 2002. Blood pressure lowering effect of an olive leaf extract (*Olea europaea*) in L-NAME induced hypertension in rats. *Arzneimittelforschung*, **52**(11), pp.797-802.
- Khotimah, K., 2016. Skrining Fitokimia dan Identifikasi Metabolit Sekunder Senyawa Karpain Pada Ekstrak Metanol Daun (*Carica pubescens* Lenne & K. Koch) dengan LC/MS. *Skripsi*. Jurusan Biologi. Fakultas Sains dan Teknologi. Universitas Islam Negeri Malang. Hal, pp.39-41.
- Kristanti, A.N., Aminah, N.S., Mulyadi, T., Kurniadi, B., 2008. *Buku ajar fitokimia*. Surabaya: Airlangga University Press.
- Lee, O.H. and Lee, B.Y., 2010. Antioxidant and antimicrobial activities of individual and combined phenolics in *Olea europaea* leaf extract. *Bioresource technology*, **101**(10), pp.3751-3754.
- Maldonado, N.G., López, M.J., Caudullo, G. and de Rigo, D., 2016. *Olea europaea* in Europe: distribution, habitat, usage and threats. *europaeen Atlas of Forest Tree Species, Publ. Off. EU, Luxembourg*, p.e01534b.
- Mallet, R.T. and Sun, J., 2003. Antioxidant properties of myocardial fuels. *Molecular and cellular biochemistry*, **253**(1-2), pp.103-111.
- Marliana, E. dan Salih, C. 2011. Uji Fitokimia dan Aktivitas Antibakteri Ekstrak Kasar Etanol, Fraksi N-Heksana, Etil Asetat, dan Metanol dari Buah Labu Air (*Lageraria siceraria*). *Jurnal Kimia Mulawarman*. **8** (2).
- Marliana, S.D., Suryanti, V. and Suyono, S., 2005. The phytochemical screenings and thin layer chromatography analysis of chemical compounds in ethanol extract of labu siam fruit (*Sechium edule* Jacq. Swartz.). *Biopharmacy Journal of Natural Product Biochemistry*, **3**(1), pp.26-31.
- Minhatun, N., Tukiran, Suyatno, dan Nurul, H. 2014. Uji Skrining Fitokimia pada Ekstrak Heksan, Kloroform dan Metanol dari Tanaman Patikan Kebo (*Euphorbia hirtae*). *Prosiding Seminar Nasional Kimia*.
- Molyneux, P., 2004. The use of the stable free radical diphenylpicrylhydrazyl (DPPH) for estimating antioxidant activity. *Songklanakarin J. sci. technol*, **26**(2), pp.211-219.
- Muzzalupo, I. ed., 2012. *Olive Germplasm: The Olive Cultivation, Table Olive and Olive Oil Industry in Italy*. BoD–Books on Demand.

- Ningsih, D. R., Zufahair, dan Dwi, K. 2016. Identifikasi Senyawa Metabolit Sekunder serta Uji Aktivitas Ekstrak Daun Sirsak sebagai Antibakteri. *Molekul*. **11**(1).
- Nora, N.B., Hamid, K., Snouci, M., Boumedién, M. and Abdellah, M., 2012. Antibacterial activity and phytochemical screening of *Olea europaea* leaves from Algeria. *In The Open Conference Proceedings Journal*. **3**(1).
- Nur, S., Sami, F.J., Awaluddin, A. dan Afsari, M.I.A., 2019. Korelasi antara kadar total flavonoid dan fenolik dari ekstrak dan fraksi daun jati putih (*Gmelina arborea* Roxb.) terhadap aktivitas antioksidan. *Jurnal Farmasi Galenika (Galenika Journal of Pharmacy)(e-Journal)*, **5**(1), pp.33-42.
- Nururrahmah H, dan Ilmiati I. 2013. Identifikasi senyawa bahan aktif alkaloid pada tanaman lahuna (*Eupatorium odoratum*). *Jurnal Dinamika*. **4**(2): 1-18.
- Prabowo, A.Y, T. Estiasih, I. Purwatiningrum. 2014. Umbi gembili (*Dioscorea esculenta* L.) sebagai bahan pangan mengandung senyawa bioaktif: kajian pustaka. *Jurnal Pangan dan Agroindustri* **2** (3):129-135.
- Raman, B.V., Samuel, L.A., Saradhi, M.P., Rao, B.N., Krishna, N.V., Sudhakar, M. and Radhakrishnan, T.M., 2012. Antibacterial, antioxidant activity and GC-MS analysis of *Eupatorium odoratum*. *Asian Journal of Pharmaceutical and Clinical Research*, **5**(2), pp.99-106.
- Rajanandh, M.G., Kavitha, J., 2010. Quantitative Estimation of Bsitosterol, Total Phenolic and Flavonoid Compounds in The Leaves of *Moringa oleifera*. *Int. J. Pharm Tech Res.* **2**, 1409-1414.
- Renukadevi, K.P. and Sultana, S.S., 2011. Determination of antibacterial, antioxidant and cytotoxicity effect of *Indigofera tinctoria* on lung cancer cell line NCI-h69. *Int J Pharmacol*, **7**, pp.356-62.
- Ross, I.A., 2001. *Chemical Constituents, Traditional, and Modern Medicinal Uses*. Humana Press.
- Saifudin, A., 2014, *Senyawa Alam Metabolit Sekunder: Teori, Konsep, dan Teknik Pemurnian*, Yogyakarta: Deepublish.
- Samet, I., Han, J., Jlaiel, L., Sayadi, S. and Isoda, H., 2014. Olive (*Olea europaea*) leaf extract induces apoptosis and monocyte/macrophage differentiation in human chronic myelogenous leukemia K562 cells: insight into the underlying mechanism. *Oxidative medicine and cellular longevity*, 2014.

- Sangi, M., Runtuwene, M. R. J., Simbala, H. E. I., Makang, V. M. 2008. Analisis Fitokimia Tumbuhan Obat di Kabupaten Minahasa Utara. *Chemistry Progress*.
- Sani, R.N., Nisa, F.C., Andriani, R.D. and Maligan, J.M., 2013. Analisis rendemen dan skrining fitokimia ekstrak etanol mikroalga laut *Tetraselmis chuii* [in press april 2014]. *Jurnal Pangan dan Agroindustri*, **2**(2), pp.121-126.
- Santana, A.I.C., Díaz, S.L., Barcia, O.E. and Mattos, O.R., 2009. A Kinetic Study on Nickel Electrodeposition from Sulfate Acid Solutions: I. Experimental Results and Reaction Path. *Journal of the Electrochemical Society*, **156**(8), p.D326.
- Sari, A.P., 2016. Karakter vegetatif tanaman zaitun (*Oleo europaea L.*) pada kondisi tanam yang berbeda serta konsentrasi oleuropein dan asam askorbat pada daunnya. *Institut Pertanian Bogor*, **1**(7).
- Sayuti, K. dan Yenrina, R., 2015. *Antioksidan alami dan sintetik*. Padang: Universitas Adalas.
- Setiawan, P.Y.B. 2013. Penerapan Metode Simplex Lattice Design Dalam Penentuan Komposisi Pelarut Etanol-Air Pada Proses Ekstraksi Daun Pepaya (*Carica papaya*) dengan Respon Aktivitas Larvasida Nyamuk *Aedes aegypti*. *Skripsi*. Fakultas Farmasi. Universitas Gadjah Mada Yogyakarta.
- Setyaningsih, D., Pandji, C. dan Perwasari, D.D., 2014. Kajian Aktivitas Antioksidan dan Antimikroba Fraksi dan Ekstrak dari Daun dan Ranting Jarak Pagar (*Jatropha curcas L.*) serta 126 Pemanfaatannya pada Produk Personal Hygiene. *Agritech*, **34**(2), pp.126-137.
- Shah, P., Joshi, Y., Dongare, P., Dhande, S. and Kadam, V., 2013. Free radical scavenging activity of leaves of *Cucumis sativus*. *International Journal of Phytopharmacy*, **3**(3), pp.72-75.
- Shi, X., Leonard, S.S., Wang, S. and Ding, M., 2000. Antioxidant properties of *Pyrrolidine* dithiocarbamate and its protection against Cr (VI)-induced DNA strand breakage. *Annals of Clinical & Laboratory Science*, **30**(2), pp.209-216.
- Silva, S., Gomes, L., Leitao, F., Coelho, A.V. and Boas, L.V., 2006. Phenolic compounds and antioxidant activity of *Olea europaea L.* fruits and leaves. *Food Science and Technology International*, **12**(5), pp.385-395.

- Sinaga, F. A., 2016, Stress Oksidatif dan Status Antioksidan pada Aktivitas Fisik Maksimal, *Jurnal Generasi Kampus*, **9**(2), 176–189.
- Sparkman, O.D., Penton, Z. and Kitson, F.G., 2011. *Gas Chromatography and Mass Spectrometry: A Practical Guide*. Academic press.
- Sudarmadji, I.B., 2003. *Analisa Bahan Makanan dan Pertanian (Edisi ke 2 ed., Vol. III)*, Yogyakarta: Liberty..
- Tamat, S.R., Wikanta, T. dan Maulina, L.S., 2007. Aktivitas antioksidan dan toksisitas senyawa bioaktif dari ekstrak rumput laut hijau *Ulva reticulata* Forsskal. *Jurnal Ilmu Kefarmasian Indonesia*, **5**(1), pp.31-36.
- Tan, J.B.L. and Lim, Y.Y., 2015. Critical analysis of current methods for assessing the in vitro antioxidant and antibacterial activity of plant extracts. *Food Chemistry*, **172**, pp.814-822.
- Tetti, M., 2014. Ekstraksi, Pemisahan Senyawa, dan Identifikasi Senyawa Aktif. *Jurnal Kesehatan*, **7**(2).
- Ulfah, M., 2014. Uji Aktivitas Antioksidan Ekstrak Etanolik Herba Alfalfa (*Medicago Sativa* L.) Dengan Metode DPPH (1, 1-difenil-2-pikrilhidrazil). *Jurnal Ilmu Farmasi dan Farmasi Klinik*, **11**(1), pp.25-33.
- Veeru, P., Kishor, M.P. and Meenakshi, M., 2009. Screening of medicinal plant extracts for antioxidant activity. *Journal of Medicinal Plants Research*, **3**(8), pp.608-612.
- Velika, B. and Kron, I., 2012. Antioxidant properties of *Benzoic acid* derivatives against superoxide radical. *Free Radicals and Antioxidants*, **2**(4), pp.62-67.
- Visioli, F. and Galli, C., 1994. Oleuropein protects low density lipoprotein from oxidation. *Life Sciences*, **55**(24), pp.1965-1971.
- Widyawati, P.S., Sutedja, A.M., Suseno, T.I.P., Monika, P., Saputrajaya, W. dan Liguori, C., 2014. Pengaruh perbedaan warna pigmen beras organik terhadap aktivitas antioksidan. *Agritech Journal Teknologi Pertanian*, **34**(4), pp.399-406.
- Youngson, R., 2005. *Antioksidan, Manfaat Vitamin C & E Bagi Kesehatan*. Jakarta: Penerbit Arcan.
- Yunanto, A., Bambang, S. dan Eko, S., 2009. Kapita Selekta Biokimia: Peran Radikal Bebas pada Intoksikasi dan Patobiologi Penyakit. *Penerbit Pustaka Banua: Banjarmasin*. pp.243-249.

Yuslianti, E. R., 2018, *Pengantar Radikal Bebas dan Antioksidan*, Yogyakarta: Deepublish.