

## Daftar Pustaka

- Agusta, A., 2000, *Minyak Atsiri Tumbuhan Tropika Indonesia*. Bandung : ITB.
- Amarowicz Ryszard.2007. Tannins: the new natural antioxidants?. *Europe Journal Lipid Science Technology*. Hal. 549–551
- Ansory, H.M., Hardjono, S. dan Bambang, P., 2015. Comparison of Essential Oils Quality from Parts of Nutmeg Based on Myristicin Level. *Jurnal Farmasi Indonesia*, 12(2), Hal.127-136.
- Ansory H.M. dan Nilawati A.2017. Sintesis Turunan Kalkon dari Miristisin Minyak Pala. *Prosiding SNST ke-8 Fakultas Teknik Universitas Wahid Hasyim Semarang*. Hal 21-25
- Ansory H.M, Sari E.N. Nilawati A. Handayati S., dan Aznam N. 2020. Sunscreen and Antioxidant Potential of Myristicin in Nutmeg Essential Oils (*Myristica fragrans*). *Advances in Health Sciences Research, volume 26*
- Antolovich, M., Prenzler, P.D., Patsalides, E., McDonald, S. dan Robards, K., 2002. Methods for testing antioxidant activity. *Analyst*, 127(1), Hal.183-198.
- Arnao, M.B., 2000. Some methodological problems in the determination of antioxidant activity using chromogen radicals: a practical case. *Trends in Food Science & Technology*, 11(11), Hal.419-421.
- Babu, K.G. dan Kaul, V.K., 2005. Variation in essential oil composition of rose-scented geranium (*Pelargonium sp.*) distilled by different distillation techniques. *Flavour and fragrance journal*, 20(2), Hal.222-231.
- Barceloux DG. 2009. *Nutmeg (Myristica fragrans Houtt.)*. *Medical Toxicology of Natural Substances: Foods, Fungi, Medicinal Herbs, Toxic Plants, and Venomous Animals..* Hoboken : NJ. John Wiley and Sons.

- Burri, S.C., Ekholm, A., Håkansson, Å., Tornberg, E. dan Rumpunen, K., 2017. Antioxidant capacity and major phenol compounds of horticultural plant materials not usually used. *Journal of functional foods*, 38, Hal.119-127.
- Chatterjee, S., Niaz, Z., Gautam, S., Adhikari, S., Variyar, P.S. dan Sharma, A., 2007. Antioxidant activity of some phenolic constituents from green pepper (*Piper nigrum* L.) and fresh nutmeg mace (*Myristica fragrans*). *Food chemistry*, 101(2), Hal.515-523.
- David Hebert dan Qing-Yi Lu. 2002. Overview of Mechanism of Action of Lycopene. *Experimental Biology and Medicine (Maywood) Journal*.
- Dechayont, B., Phuaklee, P., Chunthorng-Orn, J., Poomirat, S., Juckmeta, T., Phumlek, K., Mokmued, K. dan Ouncharoen, K., 2019. Antimicrobial, Anti-inflammatory, and Antioxidant Activities of the Wood of *Myristica fragrans*. *Journal of Herbs, Spices & Medicinal Plants*, 26(1), Hal.49-60.
- Fitriana, W.D., Fatmawati, S. dan Ersam, T., 2015. Uji aktivitas antioksidan terhadap DPPH dan ABTS dari fraksi-fraksi daun kelor (*Moringa oleifera*). *Prosiding Simposium Nasional Inovasi dan Pembelajaran Sains*, Hal.8-9.
- Figueiredo, A.C., Barroso, J.G., Pedro, L.G. dan Scheffer, J.J., 2008. Factors affecting secondary metabolite production in plants: volatile components and essential oils. *Flavour and Fragrance journal*, 23(4), Hal.213-226.
- Francis, S. K., James, B., Varughese, S., dan Nair, M. S. Phytochemical Investigation on *Myristica Fragrans* Stem Bark. *Nat. Prod. Res.* 2018, 1–5. DOI: 10.1080/14786419.2018.1457670
- Ginting, B., Mustanir, M., Helwati, H., Desiyana, L.S., Eralisa, E. dan Mujahid, R., 2017. Antioxidant activity of n-hexane extract of nutmeg plants from South Aceh Province. *Jurnal Natural*, 17(1), Hal.39-44.
- Ginting, B., 2021. Evaluation of Antioxidant and Anticancer Activity of *Myristica fragrans* Houtt. Bark. *Pharmacognosy Journal*, 13(3).

- Ginting B., Saidi N., Murniana., Mustanir., Maulidna., dan Simanjutak P., 2020. Lignan compound isolated from n-Hexane extract *Myristica fragrans* Houtt root as Antioxidant and Antitumor Activities against MCF-7 cell lines data. *Journal Elsevier*. <https://doi.org/10.1016/j.dib.2020.105997>
- Gupta, A.D., Bansal, V.K., Babu, V. dan Maithil, N., 2013. Chemistry, antioxidant and antimicrobial potential of nutmeg (*Myristica fragrans* Houtt). *Journal of Genetic engineering and Biotechnology*, 11(1), Hal.25-31.
- Gonda, A., Gault, H., Churchill, D., dan Hollomby, D. 1978. Hemodialysis for methanol intoxication. *The American journal of medicine*, 64(5), 749-758.
- Hassam Mohammad., Taher Abu., Arnot E. G., Green R. I., dan Willem A. L. 2015. *Isomerization of Allylbenzenes. Department of Chemistry and Polymer Science*. South Africa : Stellenbosch University
- Hardiningtyas, S, D., Purwaningsih, S dan Handharyani, E. "Aktivitas Antioksidan dan Efek Hepatoprotektif Daun Bakau Api-api Putih". *Jurnal Pengolahan Hasil Perikanan Indonesia* 17 no. 1 (2014): h. 80-91.
- Hardjono Sastrohamidjojo. (2007). *Spektroskopi*. Yogyakarta: Liberty.
- Handayani, S. Najib, A. Wati, N. 2018. Uji Aktivitas Ekstrak Daun Daruju (*Achantus ilicifolius* L) dengan Metode Perendaman Radikal Bebas 1,1-Diphenyl-2-Picryhidrazil (DPPH). *JFFI* volume 5, nomor 2
- Heinrich, M. Barnes, J. Gibbons, S. Williansom. 2004. *Fundamental of Pharmacognocy and Phytotherapy*. Elsevier: Philadelpia.
- Herch, W., Kallel, H. and Boukhchina, S., 2014. Physicochemical properties and antioxidant activity of Tunisian date palm (*Phoenix dactylifera* L.) oil as affected by different extraction methods. *Food Science and Technology*, 34, Hal.464-470.

- Irawan, A. 2019. Kalibrasi Spektrofotometer Sebagai Penjaminan Mutu Hasil Pengukuran Dalam Kegiatan Penelitian Dan Pengujian. *Indonesian Journal of Laboratory* Vol. 1 (2) 1-9
- Istiqomah. 2013. Perbandingan Metode Ekstraksi Maserasi dan Sokletasi Terhadap Kadar Piperin Buah Cabe Jawa (*Piperis retrofracti fructus*). *Skripsi*. UIN Jakarta
- Jaiswal, P., Kumar, P., Singh, V.K. and Singh, D.K., 2009. Biological effects of *Myristica fragrans*. *Annual review of biomedical sciences*, 11, Hal.21-29.
- Janeiro, P., dan Brett, A., 2004, Catechin Electrochemical Oxidation Mechanisms *Analytica Chimica Acta*. Vol. 518. Hal 109-115.
- Juntachote, T. and Berghofer, E., 2005. Antioxidative properties and stability of ethanolic extracts of Holy basil and Galangal. *Food chemistry*, 92(2), Hal.193-202.
- Johnly Alfrets Rorong. 2008. Uji Aktivitas Antioksidan dari Daun Cengkeh (*Eugenia Carryophyllus*) dengan Metode DPPH. *Chem. Prog. Vol. 1, No. 2*. Hal. 111-116
- Kiarsi Z., Hojjati M., Behbahani B.A., Noshad M., 2019. In vitro antimicrobial effects of *Myristica fragrans* essential oil on foodborne pathogens and its influence on beef quality during refrigerated storage. *Journal of Food Safety*. DOI: 10.1111/jfs.12782
- Kementerian Kesehatan RI, 2010. *Profil Kesehatan Indonesia* 2010. <http://www.depkes.go.id>
- Ketaren, S., 1985. *Pengantar Teknologi Minyak Atsiri*, Jakarta : Balai Pustaka
- Lai HY, Lim YY, Tan SP. 2009. Antioxidative, tyrosinase inhibiting and antibacterial activities of leaf extracts from medicinal ferns. *Bioscience, biotechnology, and biochemistry*. 73(6):1362-1366.

- Li Cai-Wei., Chu Yi-Cheng., Huang Chun-Yi., Fu Shu-Ling., Chen Jih-Jung., 2020. Evaluation of Antioxidant and Anti- $\alpha$ -glucosidase Activities of Various Solvent Extracts and Major Bioactive Components from the Seeds of *Myristica fragrans*. *Journal Molecules*. Hal. 1-12. DOI :10.3390
- Liunokas A.B., Karwur F.F. 2020. Pala (*Myristica fragrans* Houtt) Sebagai Bioreaktor Hayati Senyawa Fenilpropanoid : Suatu Kajian Pustaka. *Jurnal Biologi Udayana* 24(2) 96-106 P ISSN: 1410-5292E ISSN: 2599-2856
- Loizzo, M.R., Sicari, V., Tenuta, M.C., Leporini, M.R., Falco, T., Pellicanò, T.M., Menichini, F. dan Tundis, 2016. Phytochemicals content, antioxidant and hypoglycaemic activities of commercial nutmeg mace (*Myristica fragrans* L.) and pimento (*Pimenta dioica* (L.) Merr.). *International Journal of Food Science and Technology*. DOI:10.1111/ijfs.13178
- Lulu, A.A., Ana, I., Amin, T.K. 2015. Upaya Perpustakaan Mengurangi Plagiarisme Pada Karya Ilmiah Mahasiswa. *Jurnal Ilmu Perpustakaan Fakultas Ilmu Budaya Universitas Diponegoro* 4(3): 1-13.
- Marinova, G. and Batchvarov, V., 2011. Evaluation of the methods for determination of the free radical scavenging activity by DPPH. *Bulgarian Journal of Agricultural Science*, 17(1), Hal.11-24.
- Marzuki, I., Joefrie, B., Aziz, S.A., Agusta, H. and Surahman, M., 2014. Physico-chemical characterization of Maluku nutmeg oil. *International Journal of Science and Engineering*, 7(1), Hal.61-64..
- Mastuti, R. 2015. Skrining Fitokimia dan Uji Aktivitas Antioksidan Ekstrak Etanol Bunga Celosia. *BioWallacea Jurnal Ilmiah Ilmu Biologi*. 2. (3). hal.143-148.
- Matthew J. Ellenhorn, Donald G. Barceloux. 1988. Medical Toxicology: Diagnosis and Treatment of Human Poisoning, *Elsevier journal*

- Molyneux, P., 2004. The use of the stable free radical diphenylpicrylhydrazyl (DPPH) for estimating antioxidant activity. *Songklanakarin J. sci. technol.*, 26(2), Hal.211-219.
- Miles, B., Mathew, dan Michael Huberman. 1992. *Analisis Data Kualitatif Buku Sumber Tentang Metode-metode Baru*. Jakarta: UIP.
- Miyatani, G. 2010. Uji Aktivitas Antioksidan Ekstrak Etanol Dan Ekstrak Air Buah Pala (*Myristica Fragans* Houtt) dengan Metode DPPH (1,1-difenil-2-pikrilhidrazil). *Skripsi*. Fakultas Matematikadan Ilmu Alam. Universitas Negeri Semarang
- Moin ud D., Ali Abid., Yasir M., Jilani M. I., Shoaib S., Latif M., Ahmad. A., Naz S., Aslam F., Iqbal M., Nazir A., 2020. Chemical Composition and *in vitro* Evaluation of Cytotoxicity, Antioxidant and Antimicrobial Activities of Essential Oil Extracted from *Myristica Fragrans* Houtt *Pol. J. Environ. Stud. Vol. 30, No. 2 (2021)*, 1585-1590
- Nazir, M. 2011. *Metode Penelitian*. Jakarta: Ghalia Indonesia.
- Nurmilasari, Ginting B., dan Helwati H., 2017. Isolation Of Antioxidant Compounds Of Methanol Extract Of Nutmeg Leaves (*Myristica Fragrans* Houtt). *Jurnal Natural*. <https://doi.org/10.24815/jn.v17i1.6998>
- Olajide, O.A., Ajayi, F.F., Ekhellar, A.I., Awe, S.O., Makinde, J.M. dan Alada, A.A., 1999. Biological effects of *Myristica fragrans* (nutmeg) extract. *Phytotherapy Research: An International Journal Devoted to Pharmacological and Toxicological Evaluation of Natural Product Derivatives*, 13(4), Hal. 344-345..
- Omidbaigi, R, Sefidkon, F, & Kazemi, F, 2004. Influence of drying methods on the essential oil content & composition of Roman chamomile. *Flavour and Fragnacer Journal*, 19, 196 198.

- Palijama W, Riry J, Wattimena AY. 2012. Komunitas gulma pada pertanaman pala (*Myristica fragrans* H) belum menghasilkan dan menghasilkan di desa Hutumuri kota Ambon. *J. Agrologia*; 1(2): 134-142.
- Paneerchelvan S., Lai How-Yee., Kallasapathy K. 2015. Antioxidant, Antibacterial and Tyrosinase Inhibiting Activities of Extracts from *Myristica fragrans* Houtt. *European Journal of Medicinal Plants*. 8(1): 39-49, ISSN: 2231-0894
- Pashapoor A., Mashadyrafie S., Mortazvi P., 2020. The Antioxidant Potential and Antihyperlipidemic Activity of *Myristica fragrans* Seed (Nutmeg) Extract in Diabetic Rats. *Journal of Human Environment and Health Promotion* 6 (2) : 91-6 . Online ISSN : 2476-549X
- Petrov, O., Ivanova, V., Gerova, M, (2008), *SOC<sub>2</sub>/CtOH: Catalytic System For Synthesis Of Chalcones*. J-Catal, Commun., 9, 315-316.
- Purwanto D, Bahri S., Ridhay A. 2017. Uji Aktivitas Antioksidan Ekstrak Buah Purnajiwa (*Kopsia arborea* Blume.) dengan Berbagai Pelarut. *KOVALEN* 3 (1) : 24-32
- Prayoga G. 2013. Fraksinasi, Uji Aktivitas Antioksidan dengan Metode DPPH dan Identifikasi Golongan Senyawa Kimia dari Ekstrak Teraktif Daun Sambang Darah (*Excoecaria cochinchinensis* Lour). *Skripsi*. Fakultas Farmasi Program Studi Sarjana Ekstensi Universitas Indonesia.
- Pisoschi, A. M., G. P. Negulescu. 2011. Biochemistry & analytical biochemistry methods for total antioxidant activity determination : a review. *Biochemistry and Analytical Biochemistry*. 1(1):1-10
- Reynertson, A.L.2007. *Phytochemical Analysis of Bioactive Constituents from Edible Myrtaceae Fruits*. Disertasi. New York : University of New York
- Rompas, R.A., H.J. Edy, A. Yudistira. 2012. Isolasi dan identifikasi flavonoid dalam daun lamun (*Syringodium isoetifolium*). *Pharmacon*. 1(2): 59-62.

- Sami, F.J. and Rahimah, S., 2015. Uji aktivitas antioksidan ekstrak metanol bunga brokoli (*Brassica oleracea* l. var. *italica*) dengan metode DPPH (2, 2 diphenyl-1-picrylhydrazyl) dan metode ABTS (2, 2 azinobis (3- etilbenzotiazolin)-6-asam sulfonat). *Jurnal Fitofarmaka Indonesia*, 2(2), pp.107-110
- Santosa H.M., Budiati, A.S., Fuad, A., Kusumawati, I., 1998. Pengujian Antiradikal Bebas Difenilpikril Hidrazil (DPPH) Ekstrak *Graptophyllum pictum* (L). Griff. Secara Spektrofotometri, Seminar Nasional Tumbuhan Obat XIII, Malang
- Sefidkon, F., Abbasi, K., Gholamreza B. K., 2006. Influence of drying and extraction methods on yield and chemical composition of the essential oil of Satureja hortensis. *Journal Food Chemistry* Vol 99: 19 23
- Shivaprasad, H.N., Mohan, S., Kharya, M D., Shiradkar, M.R., Lakshman K., 2015. In Vitro Models for Antioxidant Activity Evaluation : A Review. *Pharmaceutical review*. Volume 3 No 4
- Simora A., Santoso W.A., Timotius H.K., 2018. Bioactivities of Methanol and Ethyl Acetate Mace Extracts of *Myristica fragrans* Houtt. *Pharmacognosy Communications.*, Vol. 8, Issue 3. Hal. 103-107
- Silalahi J. 2006. Makanan Fungsional. Yogyakarta : Kanisius
- Sipahelut S.G., Telussa I., 2011. Karakteristik Minyak Atsiri Dari Daging Buah Pala melalui Beberapa Teknologi Proses. *Jurnal Teknologi Hasil Pertanian*, Vol. IV, No. 2
- Suprihatin, S.K., Ngudiwaluyo, S. and Friyadi, T.I.N.A., 2007. Isolasi miristisin dari minyak pala (*myristica fragrans*) dengan metode penyulingan uap. *Journal of Agroindustrial Technology*, 17(1).
- Sugiyono. 2015. *Metode Penelitian Kuantitatif Dan Kualitatif dan R&D*.Cetakan ke-22. Bandung: Alfabeta

- Stout, S. and Wang, Z., 2016. *Standard handbook oil spill environmental forensics: fingerprinting and source identification*. Academic press.
- Taher, D.M., Solihin, D.D., Cahyaningsih, U. and Sugita, P., 2018. Ekstrak Metanol Cengkeh (*Syzygium Aromaticum* (L.) Merr & Perry) Varietas Tuni Buru Selatan sebagai Antimalaria. *Acta VETERINARIA Indonesiana*, 6(2), pp.38-47.
- Purohit N dan Solanki H. 2015. DPPH Free Radical Scavenging Activity of *Myrisrica fragrans* Houtt. Fruit. *International Journal of Pharmacy and Pharmaceutical Research*. Vol. 4 (3) : 45-50
- Wibowo D.P ., Febriani Y., Riasari., dan Aulifa D. L.2018. Essential Oil Composition, Antioxidant and Antibacterial Activities of Nutmeg (*Myristica fragrans* Houtt.) From Garut West Java. *Indonesian Journal of Pharmaceutical and Technology* 5(3) 82-87