

DAFTAR PUSTAKA

- Aehle, W. 2007. "Enzymes in Industry: Production and Applications" 3rd ed. Wiley-VCH, Weinheim.
- Agustini, I. 2018. Pemanfaatan ekstrak daun afrika (*Vernonia amygdalina* Delile), lemon (*Citrus limon* Osbeck), dan madu sebagai minuman fungsional. Skripsi, Universitas Pelita Harapan, Tangerang.
- Ali, A., Chong, C.H., Mah, S.H., Abdullah, L.C., Choong, T.S.Y., dan Chua, B.L. 2018. Impact of storage conditions on the stability of predominant phenolic constituents and antioxidant activity dried *piper betle* extracts. *Molecules* 23(84): 1-15.
- Ali, A.M.A., El-Nour, M.E.M., dan Yagi, S.M. 2018. Total phenolic and flavonoid contents and antioxidant activity of ginger (*Zingiber officinale* Rosc.) rhizome, callus and callus treated with some elicitors. *Journal of Genetic Engineering and Biotechnology*. In press.
- Ali, B.H., Blunden, G., Tanira, M.O., dan Nemmar, A. 2008. Some phytochemical, pharmacological and toxicological properties of ginger (*Zingiber officinale* Roscoe): a review of recent research. *Food and Chemical Toxicology* 45(2): 409-420.
- American Diabetes Association. 2010. Diagnosis and classification of diabetes mellitus. *Diabetes Care* 33(1): 62-69.
- AOAC. 2005. "Official Methods of Analysis of the Association of Official Analytical Chemists" 18th ed. AOAC International, Gaithersburg.
- Ardiyansyah dan Apriliyanti, M. 2016. Karakteristik kimia teh kulit melinjo. *Jurnal Ilmah INOVASI* 1(2): 89-92.
- Arendt, E dan Bello, F.D. 2011. Gluten-Free Cereal Products and Beverages. Academic Press, Amsterdam.
- Ashok, P.K., dan Upadhyaya, K. 2012. Tannins are astringent. *Journal of Pharmacognosy and Phytochemistry* 1(3): 45-50.
- Ashurst, P.R. "Chemistry and Technology of Soft Drinks and Fruit Juices" 2nd ed. Blackwell Publishing, Ltd., Oxford.
- Ashwell, M. 2015. Stevia, nature's zero-calorie sustainable sweetener: a new player in the fight against obesity". *Nutr Today* 50(3): 129-134.
- Bender, C., Killermann, K.V., Rehmann, D., dan Weidlich, H.H. 2018. Effect of *Stevia rebaudiana* Bert. addition on the antioxidant activity of red raspberry (*Rubus idaeus* L.) juices. *Beverages* 4(52): 1-9.
- Bettelheim, F.A., Brown, W.H., Campbell, M.K., dan Farrell, S.O. 2010. "Introduction to Organic and Biochemistry" 7th ed. Cengage Learning, Belmont.

- BPOM. 2005. "Peraturan Kepala Badan Pengawasan Obat dan Makanan Republik Indonesia Nomor HK 00.05.52.0685 tentang Ketentuan Pokok Pengawasan Pangan Fungsional."
- BPOM. 2011. "Peraturan Kepala Badan Pengawas Obat dan Makanan Republik Indonesia Nomor HK. 03.1.23.11.11.09909 tentang Pengawasan Klaim Dalam Label Dan Iklan Pangan Olahan."
- Brahmachari, G. 2017. "Discovery and Development of Antidiabetic Agents from Natural Products: Natural Product Drug Discovery". Elsevier, Inc., Amsterdam.
- Byng, J.W. 2015. "The Gymnosperms Handbook: A Practical Guide to Extant Families and Genera of The World", Plant Gateway, Ltd., Hetford.
- Caballero, B. 2009. Guide to Nutritional Supplements. Elsevier, Ltd., Oxford.
- Camacho, P.M., Gharib, H., dan Sizemore, G.W. "Evidence-Based Endocrinology" 3rd ed. Wolters Kluwer, Philadelphia.
- Cavalcanti, A.L., Oliveira, K.F.D., Xavier, A.F.C., Pinto, D.S.C., dan Vieira, F.F. 2013. Evaluation of total soluble solids content (TSSC) and endogenous pH in antimicrobials of pediatric use. Indian Journal of Dental Research 24(4): 498-501.
- Chang, Chi-Chi, Yang, Ming-Hua, Wen, Hwei-Mei, dan Chern, Jiing-Chuan. 2002. Estimation of total flavonoid content in propolis by two complementary colorimetric methods. Journal of Food and Drug Analysis 10(3): 178-182.
- Chisholm-Burns, M.A., Schwinghammer, T.L., Wells, B.G., Malone, P.M., DiPiro, J.T., dan Kolesar, J.M. 2008. "Pharmacotherapy Principles and Practice". McGraw Hill Professional, New York.
- Cornelia, M., Siregar, T.M., Ermiziar, T., dan Raskita, S. 2009. The study of antioxidant activity, carotenoid and vitamin C content of melinjo peels (*Gnetum gnemon* L.). Seminar Nasional PATPI. ISBN 978-979-99570-5-4.
- Daily, J.W., Yang, M., Kim, D.S., dan Park, S. 2015. Efficacy of ginger for treating type 2 diabetes: a systematic review and meta-analysis of randomized clinical trials. Journal of Ethnic Foods 2(1): 36-43.
- Dewi, A.N. 2018. Toksisitas akut ekstrak etanol kulit buah melinjo (*Gnetum gnemon* L.) pada mencit jantan galur DDY. Skripsi, Institut Pertanian Bogor, Bogor.
- DiPiro, J.T., Talbert, R.L., Yee, G.C., Wells, B.G., dan Posey, L.M. 2014. "Pharmacotherapy: A Pathophysiologic Approach" 9th ed. McGraw-Hill Education, New York.
- Dyuff, R.L. 2012. "American Dietetic Association: Complete Food and Nutrition Guide" 4th ed. John Wiley and Sons, Inc., New Jersey.
- Elevitch, C.R. 2006. "Traditional Trees of Pacific Islands: Their Culture, Environment, and Use". Permanent Agriculture Resources, Holualoa.

- Elya, B., Handayani, R., Sauriasari, R., Azizahwati, Hasyyati, U.S., Permana, I.T., Permatasari, Y.I. 2015. Screening of α -Glucosidase Inhibitory Activity From Some Plants of Apocynaceae, Clusiaceae, Euphorbiaceae, and Rubiaceae. *Pakistan Journal of Biological Sciences* 18(6): 279-284.
- Farasat, M., Khavari-Njead, R.A., Nabavi, S.M.B., dan Namjooyan, F. 2014. Antioxidant activity, total phenolics and flavonoid contents of some edible green seaweeds from northern coasts of the persian gulf. *Iran J Pharm Res* 13(1): 163-170.
- Feng, J., Yang, Xiu-Wei, dan Wang, Ru-Feng. 2011. Bio-assay guided isolation and identification of α -glucosidase inhibitors from the leaves of *Aqualiaria sinensis*. *Phytochemistry* 72(2-3): 242-247.
- Gangwar, M., Gautam, M.K., Sharma, A.K., Tripathi, Y.B., Goel, R.K., dan Nath, G. 2014. Antioxidant capacity and radical scavenging effect of polyphenol rich *Mallotus philippensis* fruit extract on human erythrocytes: an *in vitro* study. *The Scientific World Journal* 2014: 1-12.
- Gaw, A., Murphy, M.J., Srivastava, R., Cowan, R.A., O'Reilly, D St. 2013. "Clinical Biochemistry: An Illustrated Colour Text" 5th ed. Elsevier, Inc., Edinburgh.
- Ghasemzadeh, A., Jaafar, H.Z.E., dan Rahmat, A. 2010. Identification and concentration of some flavonoid components in Malaysian Young Ginger (*Zingiber officinale* Roscoe) varieties by a high performance liquid chromatography method. *Molecules* 15(9): 6231-6243.
- Ghosh, D., Bagchi, D., dan Konishi, T. 2015. "Clinical Aspects of Functional Foods and Nutraceuticals" CRC Press, Boca Raton.
- Gilbert, L.I. 2012. "Insect Molecular Biology and Biochemistry". Academic Press, Amsterdam.
- Gracia-Sancho, J dan Salvado, M.J. 2017. "Gastrointestinal Tissue: Oxidative Stress and Dietary Antioxidants". Academic Press, Oxford.
- Granato, D., dan Masson, M.L. 2010. Instrumental color and sensory acceptance of soy-based emulsions: a response surface approach. *Ciec. Tecnol. Aliment.*, Campinas 30(4): 1090-1096.
- Grzanna, R., Lindmark, L., dan Frondoza, C.G. 2005. Ginger – an herbal medicinal product with broad anti-inflammatory actions. *J. Med Food* 8(2): 125-132.
- Harahap, A.D., Efendi, R., dan Harun, N. 2016. Pemanfaatan ekstrak jahe merah (*Zingiber officinale* var. *Rubrum*) dan kulit nanas (*Ananas comosus* L. Mer) dalam pembuatan bubuk instan. *JOM Faperta* 3(2): 1-16.
- Hastuti, A.M., dan Rustanti, N. 2014. Pengaruh penambahan kayu manis terhadap aktivitas antioksidan dan kadar gula total minuman fungsional secang dan daun stevia sebagai alternatif minuman bagi penderita diabetes melitus tipe 2. *Journal of Nutrition College* 3(3): 362-369.

- Herawati, N., Sukatiningsih, Windrati, W.S. 2012. Pembuatan minuman fungsional berbasis ekstrak kulit buah naga merah (*Hylocereus polyrhizus*), rosela (*Hibiscus sabdariffa L.*) dan buah salam (*Syzygium polyanthum wigh walp*). Jurnal Agroteknologi 6(1): 40-50.
- Hernandez, M.A dan Rathinavelu, A. 2006. "Basic Pharmacology Understanding Drug Actions and Reactions". CRC Press, Boca Raton.
- Ho, S-C, dan Su, M-S. 2016. Optimized heat treatment enhances the anti-inflammatory capacity of ginger. International Journal of Food Properties 19: 1884-1898.
- Hofmann, A dan Clokie S. "Wilson and Walker's Principles and Techniques of Biochemistry and Molecular Biology" 8th ed. Cambridge University Press, Cambridge.
- Ikuta, T., Saito, S., Tani, H., Tatefuji, T., dan Hashimoto, K. 2015. Resveratrol derivative-rich melinjo (*Gnetum gnemon L.*) seed extract improves obesity and survival of C57BL/6 mice fed a high-fat diet. Biosci Biotechnol Biochem 79(12): 2044-2049.
- Integrated Taxonomic Information System. 2018. ITIS Report: *Gnetum gnemon L.* https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=183503#null. Diakses 17 Juli 2018.
- Jadon, R., dan Dixit, S. 2014. Phytochemical extraction and antimicrobial activity of some medicinal plants on different microbial strains. Journal of Medicinal Plants Studies 2(3): 58-63.
- Jayaprakasha, G dan Patil, B.S. 2007. In vitro evaluation of the antioxidant activities in fruit extracts from citron and blood orange. Food Chem 101(1): 410-418.
- Jun, M., Fu, H.Y., Hong, J., Wan, X., Yang, C.S., dan Ho, C.T. 2006. Comparison of antioxidant activities of isoflavones from kudzu root (*Pueraria lobata* Ohwi). Journal of Food Science 68(6): 2117-2122.
- Kaemba, A., Suryanto, E., Mamuaja, C.F. 2017. Karakteristik fisiko-kimia dan aktivitas antioksidan beras analog dari sagu baruk (*Arenga microcarpha*) dan ubi jalar ungu (*Ipomea batatas L. Poiret*). J. Ilmu dan Teknologi Pangan 5(1): 1-8.
- Karimi, E., Jaafar, H.Z.E., Ghasemzadeh, A., dan Ibrahim, M.H. 2013. Light intensity effects on production and antioxidant activity of flavonoids and phenolic compounds in leaves, stems and roots of three varieties of *Labisia pumila* Benth. AJCS 7(7): 1016-1023.
- Kato, E., Tokunaya, Y., dan Sakan, F. 2009. Stilbenoids isolated from the seeds of melinjo (*Gnetum gnemon L.*) and their biological activity. J Agric Food Chem 57(6): 2544-2549.

- Kato, H., Samizo, M., Kawabata, R., Takano, F., dan Ohta, T. 2011. Stillbenoids from the melinjo (*Gnetum gnemon* L.) fruit modulate cytokine production in murine peye's patch cells ex vivo. *Planta Med* 77(10): 1027-1034.
- Kementerian Kesehatan RI. 2013. Profil Kesehatan Indonesia 2010. Kemenkes RI, Jakarta.
- Khan, M.Y dan Khan, F. 2015. "Principles of Enzyme Technology" PHI Learning Private, Ltd., Delhi.
- Krautwurst, D. 2016. "Taste and Smell". Springer, Cham.
- Kumar, I., dan Sharma, K. 2018. Production of secondary metabolites in plants under abiotic stress: an overview. *Significances of Bioengineering & Biosciences* 2(4): 1-5.
- Kurniasari, L., Hartati, I., Ratnani, R.D., dan Sumantri, I. 2008. Kajian ekstraksi minyak jahe menggunakan *microwave assisted extraction (MAE)*. *Momentum* 4(2): 47-52.
- Lai, Y.C., Chen, C.K., Tsai, S.F., dan Lee, S.S. 2012. Triterpenes as α -glucosidase inhibitors from *Fagus hayatae*. *Phytochemistry* 74(1): 2016-211.
- Larson, D. 2017. "Clinical Chemistry: Fundamentals and Laboratory Techniques" Elsevier, Inc., Missouri.
- Lee, S.S., Lin, H.C. dan Chen, C.K. 2008. Acylated flavonol monorhamnosides, α -glucosidase inhibitors, from *Machilus philippinensis*. *Phytochemistry* 69(12): 2347-2353.
- Lin, D., Xiao, M., Zhao, J., Li, Z., Xing, B., Li, X., Kong, M., Li, L., Zhang, Q., Liu, Y., Chen, H., Qin, W., Wu, H., dan Chen, S. 2016. An overview of plant phenolic compounds and their importance in human nutrition and management of type 2 diabetes. *Molecules* 21(1374): 1-19.
- MacLaren, D., dan Morton, J. 2012. "Biochemistry for Sport and Exercise Metabolism". John Wiley and Sons, Ltd., West Sussex.
- Mardina, P., Astarina, E.N., dan Aquarista, S. Pengaruh kecepatan putar pengaduk dan waktu operasi pada ekstraksi tannin dari mahkota dewa. *Jurnal Kimia* 5(2): 125-132.
- Mayani, L., Yuwono, S.S., Ningtyas, D.W. 2014. Pengaruh pengecilan ukuran jahe dan rasio air terhadap sifat fisik kimia dan organoleptik pada pembuatan sari jahe (*Zingiber officinale*). *Jurnal Pangan dan Agroindustri* 2(4): 148-158.
- McPherson, R.A dan Pincus, M.R. "Henry's Clinical Diagnosis and Management by Laboratory Methods E-Book" 22nd ed. Elsevier Health Sciences, Philadelphia.
- Meilgaard, M.C., Civille, G.V., dan Carr, B.T. 2007. "Sensory Evaluation Techniques" 4th ed. CRC Press, Boca Raton.
- Mohan, C., Long, K.D., dan Mutneja, M. 2013. "An Introduction to Inhibitors and Their Biological Applications". EMD Millipore, Darmstadt.

- Moradi-Afrapoli, F., Asghari, B., Saeidnia, S., Ajani, Y., Mirjani, M., Malmir, M., Bazz, R.D., Hadjiakhoondi, A., Salehi, P., Hamburger, M., dan Yassa, N. 2012. DARU Journal of Pharmaceutical Sciences 20(37): 1-6.
- Murray, R.K., Daryl, K.G., dan Victor, W.R. 2009. "Biokimia Harper" 27th ed. Penerbit Buku Kedokteran EGC, Jakarta.
- Nisa, R.I. 2017. Struktur anatomis dan profil fitokimia kulit luar biji melinjo (*Gnetum gnemon* L.) pada empat tingkat kemasakan biji. Skripsi, Universitas Gadjah Mada, Yogyakarta.
- Oboh, G., Akinyemi, A.J., Ademiluyi, A.O., dan Adefegha, S.A. 2010. Inhibitory effects of aqueous extract of two varieties of ginger on some key enzymes linked to type-2 diabetes in vitro. Journal of Food and Nutrition Research 49(1): 14-20.
- Olugbami, J.O., Gbadegesin, M.A., dan Odunola, O.A. 2014. *In vitro* evaluation of the antioxidant potential, phenolic and flavonoid contents of the stem bark ethanol extract of *Anogeissus leiocarpus*. Afr J Med Med Sci 43(1): 101-109.
- Palupi, M.R dan Widyaningsih, T.D. 2015. Pembuatan minuman fungsional liang teh daun salam (*Eugenia polyantha*) dengan penambahan filtrat jahe dan filtrat kayu secang. Jurnal Pangan dan Agroindustri 3(4): 1458-1464.
- Parhusip, A.J.N dan Sitanggang, A.B. 2011. Antimicrobial activity of melinjo seed and peel extract (*Gnetum gnemon*) againts selected pathogenic bacteria. Microbiology Indonesia 5(3): 103-112.
- Parwati, N.K.F., Naipputulu, M., dan Diah, A.W. 2014. Uji aktivitas antioksidan ekstrak daun binahong (*Andredere cordifolia* (Tenore) steenis) dengan 1,1-difenil-2-pikrilhidrazil (DPPH) menggunakan spektrofotometer UV-VIS. J. Akad. Kim 3(4): 206-213.
- Pasaribu, G. 2011. Aktivitas inhibisi alfa glukosidase pada beberapa jenis kulit rayu raru. Jurnal Penelitian Hasil Hutan 29(1): 10-19.
- Patel, M.B dan Mishra, S.M. 2012. Magnoflorine from *Tinospora cordifolia* stem inhibits α -glucosidase and is antiglycemic in rats. J Funct Foods 4(1): 79-86.
- Plavsa, T., Jurinjak, N., Antunovic, D., Persuric, D., dan Ganic, K.K. 2012. The influence of skin maceration time on the phenolic composition and antioxidant activity of red wine teran (*Vitis vinifera* L.). Food Technol. Biotechnol. 50(2): 152-158.
- Pratama, Y., Sarjono, P.R., dan Mulyani, N.S. 2015. Skrining metabolit sekunder bakteri endofit yang berfungsi sebagai antidiabetes dari daun mimba (*Azadirachta indica*). Jurnal Kimia Sains dan Aplikasi 18(2): 73-78.
- Prihantini, A.I., Tachibana, S., dan Itoh, K. 2014. Evaluation of antioxidant and α -glucosidase inhibitory activities of some subtropical plants. Pakistan Journal of Biological Sciences 17(10): 1106-1114.

- Pujiyanto, S., Ferniah R.S., dan Sunarno. 2015. Produksi dan ekstraksi inhibitor alfa glukosidase dari isolat aktinomiset Jp-3. BIOMA 17(2): 122-128.
- Purnomo, B.E., Hamzah, F., dan Johan, V.S. 2016. Pemanfaatan kulit buah naga merah (*Hylocereus polyrhizus*) sebagai teh herbal. JOM FAPERTA 3(2): 1-10.
- Puspita, C.A. 2018. Efektivitas ekstrak kulit melinjo (*Gnetum gnemon*) sebagai penurun kadar asam urat pada tikus putih (*Rattus norvegicus*) hiperurisemia. Skripsi, Institut Pertanian Bogor, Bogor.
- Rahmani, A.H., Al shabrimi, F.M., dan Aly, S.M. 2014. Active Ingredients of ginger as potential candidates in the prevention and treatment of diseases via modulation of biological activities. J. Physiol Pathophysiol Pharmacol 6(2): 125-136.
- Rani, M.P., Padmakumari, P.K., Sankarikutti, B., Cherian, O.L., Nisha, V.M., dan Raghu, K.G. 2011. Inhibitory potential of ginger extracts against enzymes linked to type 2 diabetes, inflammation and induced oxidative stress. Int. J. Food. Sci. Nutr 62(2): 106-110.
- Ravindran, P.N. 2017. "The Encyclopedia of Herbs and Spices". CABI, Oxfordshire.
- Rehman, R., Akram, M., Akhtar, N., Jabeen, Q., Saeed, T., Shah, S.M.A., Ahmed, K., Shaheen, G., dan Asif, H.M. 2011. *Zingiber officinale* Roscoe (pharmacological activity). Journal of Medicinal Plants Research 5(3): 344-348.
- Riaz, H., Begum, A., Raza, S.A., Khan, Z. MUD., Yousaf, H., dan Tariq, A. 2015. Antimicrobial property and phytochemical study of ginger found in local area of Punjab, Pakistan. International Current Pharmaceutical Journal 4(7): 405-409.
- Rizani, M.N. 2018. Uji aktivitas penghambatan alfa glukosidase ekstrak etanol 96% kulit pisang ambon (*Musa paradisiaca*), pisang kepok (*Musa balbisiana*) dan pisang raja (*Musa acuminata*) secara *in vitro*. Universitas Muhammadiyah Surakarta, Surakarta.
- Rocha, I.F.O., dan Bolini, H.M.A. 2015. Passion fruit juice with different sweeteners: sensory profile by descriptive analysis and acceptance. Food Sci Nutr 3(2): 129-139.
- Rosak, C., dan Mertes, G. 2012. Critical evaluation of the role of acarbose in the treatment of diabetes: patient considerations. Diabetes Metab Syndr Obes 2012(5): 357- 367.
- Rusviani, V. 2007. Reformulasi produk minuman tradisional berbasis jahe (*Zingiber officinale* Rosc) berdasarkan kajian penerimaan dan preferensi konsumen di kota Bogor terhadap citarasa. Skripsi, Institut Pertanian Bogor, Bogor.

- Sani, R.N., Nisa, F.C., Andriani, R.D., dan Maligan, J.M. 2014. Analisis rendemen dan skrining fitokimia ekstrak etanol mikroalga laut *Tetraselmis chuii*. *Jurnal Pangan dan Agroindustri* 2(2): 121-126.
- Santoso, M., Naka, Y., Angkawidjaja, C., Yamaguchi, T., Matoba, T., dan Takamura, H. 2010. Antioxidant and damage prevention activities of edible parts of *Gnetum gnemon* and their change upon heat treatment. *JFST* 16(6): 549-556.
- Semwal, R.B., Semwal, D.K., Combrinck, S., dan Vilijoen, A.M. 2015. Gingerols and shogaols: important nutraceutical principles from ginger. *Phytochemistry* 117: 554-568.
- Setyaningsih, D., Apriyantono, A., dan Sari, M.P. 2010. "Analisis Sensori untuk Industri Pangan dan Agro". IPB Press, Bogor.
- Shahidi, F dan Alasalvar, C. *Handbook of Functional Beverages and Human Health*. CRC Press, Boca Raton.
- Sheet, B.S., Artik, N., Ayed, M.A., dan Abdulaziz, O.F. 2014. Some alternative sweeteners (xylitol, sorbitol, sucralose and stevia): a review. *Karaelmas Science and Engineering Journal* 4(1): 63-70.
- Shukla, Y dan Singh, M. 2007. Cancer preventive properties of ginger: a brief review. *Food Chem Toxicol* 45(5): 683-690.
- Siregar, Y.D.I., dan Utami, P. 2014. Pemanfaatan ekstrak kulit melinjo merah (*Gnetum gnemon*) sebagai pewarna alami pada pembuatan lipstik. *Jurnal Kimia Valensi* 4(2): 98-108.
- Siswoyo, T.A., Mardiana, E., Lee, K.O., dan Hoshokawa, K. 2011. Isolation and characterization of antioxidant protein fractions from melinjo (*Gnetum gnemon*) seeds. *J Agric Food Chem* 59(10): 5648-5656.
- Sofawati, D. 2012. Uji aktivitas antidiabetes fraksi-fraksi buah ketapang (*Terminalia catappa* L.) dengan metode penghambatan aktivitas α -glukosidase dan identifikasi golongan senyawa kimia dari fraksi yang aktif. Skripsi, Universitas Indonesia, Depok.
- Starr, C., Evers, C.A., dan Starr, L. 2015. "Biology: A Human Emphasis" 9th ed. Cengage Learning, Stamford.
- Sugiwati, S., Setiasih, S., dan Afifah, E. 2009. Antihyperglycemic activity of the mahkota dewa (*Phaleria macrocarpa* (Scheff.) Boerl.) leaf extracts as an alpha glucoside inhibitor. *Makara Kesehatan* 13(2): 74-78.
- Sylvia, O., Jaja, E., dan Christian O.E. 2016. The effect of temperature, moisture content and contact time on the time extract from bitter kola (*garcinia kola*). *Chemistry and Materials Research* 8(5): 77-80.
- Sylvia. 2013. Study of antioxidant activity of melinjo seed skin (*Gnetum gnemon* L.) and analysis of resveratrol compound. Skripsi, Universitas Pelita Harapan, Tangerang.

- Tandel, K.R. 2011. Sugar substitutes: Health controversy over perceived benefits. *J. Pharmacol Pharmacother* 2(4): 236-243.
- Telagari, M., dan Hullatti, K. In-vitro α -amylase and α -glucosidase inhibitory activity of *Adiantum caudatum* Linn. and *Celosia argentea* Linn. extracts and fractions. *Indian J Pharmacol* 47(4): 425-429.
- Thakur, V.K. 2014. "Lignocellulosic Polymer Composites: Processing, Characterization, and Properties". Wiley-Scrivener, LLC., Hoboken.
- Tirzitis, G., dan Bartosz, G. 2010. Determination of antiradical and antioxidant activity: basic principles and new insights. *Acta Biochimica Polonica* 57(1): 139-142.
- Tiwari, P., Kumar, B., Kaur, M., Kaur, G., dan Kaur, H. 2011. Phytochemical screening and extraction: a review. *Int Pharm Sci* 1(1): 99-106.
- Vega-Galvez, A., Scala, K.D., Rodriguez, K., Lemus-Mondaca, R., Miranda, M., Lopez, J., dan Peres-Won, M. 2009. Effect of air-drying temperature on physicochemical properties, antioxidant capacity, colour and total phenolic content of red pepper (*Capsicum annuum*, L. var. Hungarian). *Food Chemistry* 117(4): 647-653.
- Wahyuni, S., Rais, M., dan Fadilah, R. 2017. Fortifikasi tepung kulit melinjo sebagai pewarna alami pada pembuatan kerupuk singkong. *Jurnal Pendidikan Teknologi Pertanian* 3(2017): 212-222.
- Wang, H., Cui, Y., Zhao, C. 2010. Flavonoids of the genus Iris (*Iridaceae*). *Mini-Rev Med Chem* 10(7): 643-661.
- Watanabe, K., Shibuya, S., Ozawa, Y., Izuo, N., dan Shimizu, T. 2015. Resveratrol derivative-rich melinjo seed extract attenuates skin atrophy in *Sod1*-defecient mice. *Oxid Med Cell Longev* 2015(1): 1-8.
- Wijaya, K.P. 2018. Aktivitas inhibisi α -glukosidase pada minuman fungsional ekstrak melinjo (*Gnetum gnemon* L.). Skripsi, Universitas Pelita Harapan, Tangerang.
- Winarno, F.G. 2008. Kimia Pangan dan Gizi. M-Brio Press, Bogor.
- Wisudanti, D.D. 2016. Kajian pustaka: aplikasi terapeutik *Geraniin* dari ekstrak kulit rambutan (*Nephelium lappaceum*) sebagai antihiperglikemik melalui aktivitasnya sebagai antioksidan pada diabetes melitus tipe 2. *NurseLine Journal* 1(1): 120-138.
- Wu, H., dan Xu, Baojun. 2013. Inhibitory effects of onion against α -glucosidase activity and its correlation with phenolic antioxidants. *International Journal of Food Properties* 17(3): 599-609.
- Yanto, A.R., Mahmudati, N., dan Susetyorini, R.E. 2016. Seduhan jahe (*Zingiber officinale* Rosc.) dalam menurunkan kadar glukosa darah tikus model diabetes tipe-2 (NIDDM) sebagai sumber belajar biologi. *Jurnal Pendidikan Biologi Indonesia* 2(3): 258-264.

Yenrina, R., Sayuti, K., dan Aggraini, T. 2016. Effect of natural colorants on color and antioxidant activity of “Kolang Kaling” (Sugar Palm Fruit) Jam. Pakistan Journal of Nutrition 15 (12): 1061-1066.

Yin, Z., Zhang, W., Feng, F., Zhang, Y., dan Kang, W. 2014. Food Science and Human Wellness 3(3-4): 136-174.

Yulianingtyas, A., dan Kusmartono, B. 2016. Optimasi volume pelarut dan waktu maserasi pengambilan flavonoid daun belimbing uwuh (*Averrhoa bilimbi* L.). Jurnal Teknik Kimia 10(2): 58-64.

Zhang, A.J., Rimando, A.M., Mizuno, C.S., dan Mathews, S.T. 2017. α -Glucosidase inhibitory effect of resveratrol and piceatannol. J Nutr Biochem 47(1): 86-93.

