

DAFTAR PUSTAKA

- Ahmed, R. 2012. In-Vitro Determination Of Antioxidant Capacity From Methanolic Extract Of *Amaranthus Gangeticus*, *Spinacia Oleracea* L, And *Ipomoea Aquatica* By DPPH (1,1-Diphenyl-2-Picrylhydrazyl) Free Radical Scavenging Assy. Minithesis. Department Of Pharmacy East West University.
- Alamsyah, H. K., I. Widowati dan A. Sabdono. 2011. Aktivitas Antibakteri Ekstrak Rumput Laut *Sargassum cinereum* (J.G. Agardh) dari Perairan Pulau Panjang Jepara terhadap Bakteri *Escherichia coli* dan *Staphylococcus epidermidis*. *Journal of Marine Research*. 3 (II) : 405-412.
- Alasalvar, C., Al-Farsi, M., Quantick, P., Shahidi, F., Wiktorowicz. 2005. Effect of Chill Storage and Modified Atmosphere Packing (MAP) on Antioxidant Activity, Anthocyanins, Carotenoids, Phenolics, and Sensory Quality of Ready to Eat Shredded Orange and Purple Carrots. *Food Chemistry*. 89 (I) : 69-76.
- Aprilla, N. 2017. Pengaruh lama fermentasi dengan *Lentinus Edodes* terhadap Kandungan Selulosa, Aktivitas Enzim Ligninase dan Kandungan Lignin dari Bungkil Inti Sawit. Fakultas Peternakan. Universitas Andalas. Padang.
- Belgis, M., Wijaya, C.H., Apriyantono, A., Kusbiantoro, B., Yuliana, N., Dewi. 2016. Profil Senyawa Volatil dan Deskripsi Sensori Flavor dari beberapa Kultivar Durian. *Scientific Repository*.1 (I) : 42-50.
- Cao, H., Jing, X., Wu, D., Shi. 2013. Methylation of Genistein and Kaempferol Improves Their Affinities for Proteins. *International Journal of Food Sciences and Nutrition*. 64 : 437-443.
- Cao, Luting., Xuemei, Guo., Guangjin, Liu., Yuelin, Song., Chi-Tang, Ho., Ruyan, Hou., Liang, Zhang., Xiaochun, Wan. 2018. A Comparative analysis for The Volatile Compounds of Various Chinese Dark Teas Using Combinatory Metabolomics and Fungal Solid-State Fermentation. *Journal of Food and Drug Analysis*. 112-123.
- Chang, C., Yang, M., and Wen Han Chern, J. 2002. Estimation of Total Flavonoid Content in Propolis by Two Complementary Colorimetric Method. *Journal Food and Drug Analysis*. 1 (II) : 178-181.
- Charroensiddhi, S., Conlon, M.A., Vuaran, M.S. 2016. Impact of Extraction Processes on Potential Brown Seaweed Fermentation. *Journal of Functional Foods*. 24 (II) : 221-230.
- Chasanah, E., Dini, I. R., Mubarik, N. R. 2013. Karakteristik Enzim Selulase PMP0126Y dari Limbah Pengolahan Agar. *Jurnal Pascapanen dan Bioteknologi Perikanan*. 8 (II) : 103-114.
- Chumsri, P., Sirichote, A., Itharat, A. 2008. Studies on The Optimum Conditions for Concentration of Fermentation. *Songklanakarin*. 30 (I) : 133-139.

- Chung, H.R., Kangsadan, B., Yoshihiko, A., Kenji, M. 2002. Formation of Aldehyde Flavor (n-hexanal, 3Z-nonenal and 2E-nonenal) in the Brown Alga, *Laminaria Angustata*. International Seaweed Symposium: Proceedings of the Eighteenth International Seaweed Symposium. Norway. 8 (I) : 183-186.
- Febryanto, R., Hajrah, dan Laode Rijai. 2016. Potensi Ekstrak Daun Pisang (*Musa Textilis Née*) Terhadap Penurunan Kadar Gula Darah. Laboratorium Penelitian Dan Pengembangan Farmaka Tropis. Fakultas Farmasi. Universitas Mulawarman. Samarinda. Kalimantan Timur.
- Gantt, R.W., Peltier Pain, P., Thorson. 2011. Enzymatic Methods for Glyco (Diversification/Randomization) of Drugs and Small Molecules. Natural Product Reports. 28 : 1811-1853.
- Groth, I., Grunewald, dan Aban. 2009. Pharmacological Profiles Sulfated Polysaccharides. Glycobiology. 19 (IV) : 408-417.
- Harborne, J. B. 1987. Metode Fitokimia. Penerbit ITB. Bandung
- Hattori S, Takagaki H, Fujimori T. 2003. Evaluation of Japanese Green Tea Extract Using GC/O with Original Aroma Simultaneously input to the Sniffing Port Method (OASIS). Food Science Technology. 9 : 350.
- Huang, C., Wu, J., Yang, W., Kuan, Chen. 2016. Antioxidant Activities of Crude Extract of Fucoidan Extracted from *Sargassum glucesens* by a compressional extraction process. Food Chemistry. 197 (II) : 1121-1129.
- Hui Cao, Xiaoqing Chen, R., Amir, J., Jianbo, Xiao. 2015. Microbial Biotransformation of Bioactive Flavonoids. 33 (I) : 214-233.
- Jang, S. 2012. Production of Mono Sugar from Acid Hydrolysis of Seaweed. Journal Biotechnology. 11 (8) : 1953- 1963.
- Jiao, W. T., Xiao, Y., Qian, X. S., Tong, M. M., Hu, Y. Z., Hou, R. Y., and Hua, R. M. 2016. Optimized Combination of Dilution and Refined Quechers to Overcome Matrix Effects of Six Types of Tea for Determination Eightneonicotinoid Insecticides by Ultra Performance Liquid Chromatography–Electrospray Tandemmass Spectrometry. Journal Food Chemistry. 210 (IV) : 26–34.
- Joshi R, Gulati A. 2015. Fractionation and Identification of Minor and Aroma Active Constituents in Kangra Orthodox Black Tea. Food Chemistry. 8 (IV) : 167-290.
- Kaur, M., Singh, V., and Kaur, R. 2017. Effect of Partial Replacement of Wheat Flour with Varying Levels of Flaxseed Flour on Physicochemical, Antioxidant and Sensory Characteristics of Cookies. Journal of Bioactive Carbohydrates and Dietary Fibre. 9 (VI) : 14-20.
- Khopkar, S. M. 1990. Konsep Dasar Kimia Analitik. Universitas Indonesia. Jakarta.

- Kim, H., Kim, S., Hwang, W., Han, K., Lee, K., Jeon, P., Park. 2014. Sulfated Chitosan Oligosaccharides Suppress Inactivation. *Molecules*. 19 (XI) : 1832-18247.
- Kim, S. 2012. Handbook Of Marine Macroalgae Biotechnology and Applied Phycology Pukyong National University. A Jhon Wiley & Sons, Ltd., Publication.
- Kim, Youngmok., Kevin., Goodner., Jong-Dae, Park., Jong, Choi., Stephen., Talcott. 2011. Changes in antioxidant phytochemicals and volatile composition of *Camellia sinensis* by oxidation during tea fermentation. *Journal Food Chemistry*. 129 : 1331-1342.
- Kromfang, U., Chikhunthod, P., Karpilanondh. 2015. Identification of Volatile Compounds in Jellyfish Protein. *KMUTNB Science Technology*. 2 (VIII) : 153-161.
- Kusriningrum. 2015. Buku Ajar Perancangan Percobaan. Penerbit Dani Abadi. Surabaya.
- Meda, A. L. 2015. Determination of The Total Phenolic, Flavonoid, and Proline Content In Burkina Fasan Money. *Journal Food Chemistry*. 91 (II) ; 35-42.
- Mei, Y. 2015. China Tea Production and Marketing Report in 2014 and Situation Forecast in 2015. *Journal Tea World*. 6 (III) : 50–59.
- Miller, G. L. 1959. Use of Dinitrosalicylic Acid Reagent for Determination of Reducing Sugar. *Analytical Chemistry*. 31 (III) : 426-428.
- Mir, S. A., Bhat, A. S., and Ahangar, A.A. 2014. A simplified 2, 4-Dinitrophenylhydrazine Assay for Flavonoids and its Comparison with a Standard Flavonoid Assay. *International Journal of Pharmacy Research*. 2 (VI) : 0974- 4304.
- Moskuang, J. H., Carlson, Myhrstad. 2004. Molecular Imaging of the Biological Effects of Quercetin Foods. *Mechnism of Ageing and Development*. 125 (III) : 15-24.
- Nguyen, T.H., Jhon, V.P., Guy, S., and Katleen, R. 2014. Improved Release and Metabolism of Flavonoids by Steered Fermentation Processes. *International Journal of Molecular Sciences*. 15 (I) : 19369-19388.
- Omemu, Alepan, Bankole. 2004. Hydrolisis of Raw Tuber Starches Isolated From Soil. *African Journal of Biotechnology*. 4 (1) : 33-39.
- Park, D., Yun, J.M., Park. 2005. Chromium Biosprotion by Thermally Treated Biomass of The Brown *Eclonia* sp. *Chemresc*. 42 (I) : 8226-8232.
- Pinto, D. S. M. (2013). Tea : A New Perspective on Health Benefits. *Food Research International*. 53 (II) : 558–567.

- Pinzari, F., Giovanna, P., Antonella, D. 2006. Biodeterioration of Paper : A SEM Study of Fungal Spoilage Reproduced Under Controlled Conditions. *Macromolecular Symposia*. 5 (II) : 237-238.
- Pratama, R.I., Rostini, I., Rochma, E. 2018. Amino Acid Profil and Volatile Flavour Compounds of Raw and Steamed *Pangasius hypophthalmus* and *Scomberomorus commerson*. *IOP Conference Series : Earth and Environmental Science*. 16 (I) : 1-17.
- Pujimulyani, D., S. Raharjo, Y. Marsono, dan U. Santoso. 2010. Pengaruh *Blanching* Terhadap Aktivitas Antioksidan, Kadar Fenol, Flavonoid, Dan Tanin Terkondensasi Kunir Putih (*Curcuma Mangga* Val.). *Agritech*. 3 (X) : 32-44.
- Pushpamali, W.A., Nikapitiya, C., Zoysa, M.D., Whang, I., Kim, Lee. 2008. Isolation and Purification of an Anticoagulant from Fermented Red Seaweed *Lomentaria catenata*. *Carbohydrate Polymers*. 73 (II) : 274-279.
- Puspita, M., Daniel, M., Widowati, I. 2017. Antioxidant and Antibacterial Activity of Solid-Liquid and Enzyme-Assisted Extraction of Phenolic Compound From *Sargassum duplicatum*. *IOP Earth and Environmental Science*. 34 (IV) : 40-55.
- Reineccius, Gary. 2006. *Flavor Chemistry and Technology*. University of Minnesota. 95 (XXIV) : 489.
- Saputra, D., A. Ridho, dan I. Widowati. 2012. Kajian Rumput laut *Sargassum duplicatum* J.G Agardh sebagai Penghasil Bioetanol dengan Proses Hidrolisis Asam dan Fermentasi. *Journal of Marine*. 2 (I) : 1-12.
- Sari, A., Purnama, A., Ahmad, dan Usman. 2011. Produksi Bioetanol dari Selulosa Alga Merah dengan Sistem Fermentasi Simultan menggunakan Bakteri *Clostridium acetobutylicum*. Tesis. Universitas Hasanudin.
- Septiana, A. T. dan A. Ari. 2013. Aktivitas Antioksidan Ekstrak Rumput Laut *Sargassum duplicatum*. *Jurnal Teknologi Pertanian*. 14 (II) : 79-86.
- Shalit, M., Katzir, N., Tadmor, Y., Larkov, O. 2001. Acetyl-CoA : Alcohol Acetyl Transferase Activity and Aroma Formation in Ripening Melon Fruits. *Agric Food Chemistry*. 49 (I) : 784-799.
- Shibasaki, K. and C. W. Hesseltine. 2008. Miso fermentation. *Economic Botany*. 16 (III) : 180-195.
- Sharma, B., H. S. Gujral, and V. Solah. 2017. Effect of Incorporating Finger Millet in Wheat Flour on Mixolab Behavior, Chapatti Quality, and Starch Digestibility. *Journal of Food Chemistry*. 231 (IV) : 156-164.
- Su E, Xia T, Gao L, Dai Q, Zhang Z. 2010. Immobilization of b-glucosidase and its Aroma Increasing Effect on Tea Beverage. *Food Bioprod Process*. 4 (IX) : 88-83.

- Tang, X., Tayo, Z., Tan, Z., Sun, X., Shen. 2008. Effects of Yeast Culture and Fibrolytic Enzyme Supplementation on in Vitro Fermentation Characteristics of low-quality cereal straws. *Journal of Animal Science*. 86 (I) : 1164-1172.
- Thuan, N.H., Pandey, R.P., Thuy, T.T., Park, J.W, Sohng. 2013. Improvement of Regiospecific Production of Myricetin-3-O-A-L-Rhammoside in Engineered *Escherichia coli*. *Applied Biochemistry and Biotechnology*. 171 : 1956-1967.
- Tjitrosoepomo, G. 2001. Taksonomi Tumbuhan : *Schizophyta, Thallophyta, Bryophyta* dan *Pteridophyta*. Gadjah Mada University Press. Yogyakarta.
- Walle, T. 2007. Methylation of Dietary Flavones Greatly Improves Their Hepatic Metabolic Stability and Intestinal Absorption. *Molecular Pharmaceutics*. 4 : 826-832.
- Wang, Q., Zhao, X., Yu, Q., and Wang. 2013. In Vitro Antioxidative Activity of Yellow Tea and Its in Vivo Preventive Effect on Gastric Injury. *Experimental and Therapeutic Medicine*. 6 (II) : 423-426.
- Yunizal. 2004. Teknologi Pengolahan Alginat. Pusat Riset Pengolahan Produk dan Sosial Ekonomi Kelautan dan Perikanan. Departemen Kelautan dan Perikanan. Jakarta.
- Zheng, W. J., Wan, X. C., and Bao, G. H. 2015. Brick Dark Tea : A Review of The Manufacture, Chemical Constituents and Bioconversion of The Major Chemical Components During Fermentation. *Phytochemistry Reviews*. 14 (III) : 499-523.
- Zoysa, M.D., Chamilani, N., You-Jin, J., Youngheun, J., Jehee, L. 2008. Anticoagulant Activity of Sulfated Polysaccharide Isolated from Fermented Brown Seaweed *Sargassum fulvellum*. *Applied Phycol*. 20 (X) : 67-74.