

DAFTAR PUSTAKA

- Ajie R.B. 2015. *White Dragon Fruit (Hylocereus undatus)* Potential as Diabetes Mellitus Treatment. *Journal. Majority*. 4(1):69-72.
- Akalin K., Ekiz A.T., Karakaya F., Karadag A., Pelvan E., Dogan K., Alasalvar C., dan Aksu S. 2019. In Vivo Antidiabetic Activities of Green and Black Tea Polysaccharides Using Streptozotocin – Induced Diabetic Mice Fed With A High-Fat Diet. *J. Food Bioact*. 8(2):74-83
- Alinejad M.S., Foadoddini M., Saadatjoo S. A., dan Shayesteh M. 2015. Improvement of Glucose and Lipid Profile Status With *Aloe vera* in Pre- Diabetic Subjects: a Randomized Controlled-Trial. *Journal of Diabetes and Metabolic Disorders*. 14(22):1-7.
- American Diabetes Association (ADA). 2001. Post-prandial Blood Glucose. *Diabetes Care*. 24 (4):775–778.
- Ardhie A.M. 2011. Radikal Bebas dan Peran Antioksidan dalam Mencegah Penuaan, *Medicinus* 24(1).
- Asih N.K.S.D. 2019. Pengaruh Pemberian Teh Hijau (*Camellia chinensis*) dengan Variasi Posisi Daun Terhadap Indeks Glikemik Sukrosa (Skripsi). Bogor ID. Institut Pertanian Bogor.
- Atiqoh H., Wardani R.S., dan Wulandari M. 2011. Uji Antidiabetik Infusa Kelopak Bunga Rosella (*Hibiscus sabdariffa* Linn.) pada Tikus Putih Jantan Galur Wistar yang diinduksi Glukosa. *Jurnal Kesehatan Masyarakat Indonesia*, 7(1):43-50.
- Beidokhti M.N., Jäger A.K. 2017. Review of Antidiabetic Fruits, Vegetables, Beverages, Oils and Spices Commonly Consumed in the Diet. *Journal of Ethnopharmacology*. 201:26-41.
- Bernardo M.A., Maria L.S., Elisabeth S., Margarida M.M., Jose B., Luis P., Jaipaul S., dan Maria F.D.M. 2015. Effect of *Cinnamon Tea* on Postprandial Glucose Concentration. *Journal of Diabetes Research* <http://dx.doi.org/10.1155/2015/913651>
- Brouns F., Bjorck I., Frayn K.N., Gibbs A.L., Lang V., Slama G., dan Wolever. 2005. Glycaemic Index Methodology. *Nutrition Research Reviews*. 18(1):145-171.
- Buraerah H. 2010. Analisis Faktor Resiko Diabetes Melitus Tipe 2 di Puskesmas Tanrutedong, Sidenreng Rappan. *Jurnal Ilmiah Nasional*, 35(4):228.
- Butacnum A., Rewadee C., dan Akkarach B. 2017. Black Tea Consumption Improves Postprandial Glycemic Control in Normal and Prediabetic Subjects: a Randomized, Double-Blind, Placebo-Controlled Crossover Study. *Journal Clinical Nutrition*. 26(1):59-64.

- Centers for Disease Control (CDC). 2007. *National Health and Nutrition Examination Survey (NHANES): Oral Glucose Tolerance Test (OGTT) Procedures Manual*. USA: CDC.
- Ceriello A., Esposito K., Piconi L., Ihnat M., Thorpe J., Testa R., Bonfigli A.R., dan Giugliano D. 2008. Glucose “Peak” and Glucose “Spike”: Impact on Endothelial Function and Oxidative Stress. *Diabetes Research And Clinical Practice*. 82:262-267
- Dalimartha S.A. 2002. *Obat Tradisional, Pandan wangi (Pandanus amaryllifolius Roxb.)*. Puspa Swara. Jakarta.
- Dalimartha S.A. 2003. *Tanaman Obat Indonesia III*. Puspa Swara. Jakarta.
- Darwis I., Risri G., dan Agratara L.A. 2019. Potensi *Aloe vera* Sebagai Pengembangan Modalitas Terapi Antidiabetes, Antioksidan dan Antilipidemik. *J Majority* 8(1):269-272.
- Das C., Chatterjee S. 2017. Evaluation of Antioxidant Status in Cold Brewed Tea With Respect to Hot Decoction : Comparative Study Between Green and Black Varieties. *International Journal of Pharmacognosy and Phytochemical Research*, 9(7):961-964.
- Defronzo R.A., Ferrannini E., Keen H., dan Zimmet P. 2004. *International Textbook of Diabetes Mellitus*, 1(2). West Sussex : John Wiley And Sons, Ltd
- Dewi Y.S.K. 2006. Isolasi dan Identifikasi Senyawa Antioksidan Fenolik Lidah Buaya (*Aloe vera chinensis*). Program Studi Ilmu Pangan. Pasca Sarjana Universitas Gadjah Mada. Yogyakarta. Disertasi.
- Dewi Y.S.K. 2019. *Liang Teh Kaya Antioksidan Berbasis Daun Muje (Dicliptera chinensis) dan Nanas Kerang (Rhoeo discolor sp.)*. Artikel Penelitian PATPI Pontianak. p 1-17.
- Dewi Y.S.K. 2021. Proses Pembuatan Minuman *Liang Teh* Berwarna Ungu Keemasan (*Golden Purple Liang Tea Drink*) Kaya Antioksidan Fenolik dan Vitamin C. Indonesia. S00202100803.
- Dewi Y.S.K., Aritonang M. 2014. Kajian Teknik Prosesing Terhadap Sifat Fisikokimia Dan Sensori Dalam *Liang Teh Kaya Antioksidan* Dari Daun Dicliptera Chinensis. Dalam Prosiding Semirata BKS-PTN Barat. Lampung. p 700-705.
- Dewi Y.S.K., Sulvie P., dan Thomas C.W.A.S. 2021. Teknologi Produksi Isotonik Kaya Antioksidan Berbasis Lidah Buaya, *Liang Teh*, Madu Hutan. *Prosiding Saintek*. Vol(3) E-ISSN:2774-8057
- Fauziyah I.N., Widyaningsih T.D., dan Widyastuti E. 2016. *Liang Teh Berbasis Cincau Hitam, Pandan dan Jahe Merah*. *Jurnal Pangan dan Agroindustri*, 4(2) :536-541.
- Febrinda A.E., Made A., Tutik W., dan Nancy D.Y. 2013. Kapasitas Antioksidan dan Inhibitor Alfa Glukosidase Ekstrak Umbi Bawang Dayak. *Jurnal Teknologi dan Industri Pangan*, 24(2):161-167.

- Fombang E.N., Saa R.W. 2016. Antihyperglycemic Activity of *Moringa oleifera* Lam Leaf Functional Tea in Rat Models and Human Subjects. *Food and Nutrition Science*, 7(11):1021-1032.
- Ganong W.F. 2005. *Buku Ajar Fisiologi Kedokteran. Edisi 22*. Penerjemah: M. Djauhari Widjajakusumah. Jakarta: EGC.
- Gonceariuc M., Balmus Z., Benea A., Barsan V., dan Sandu T. 2015. Biochemical Diversity of the *Origanum vulgare* ssp. *vulgare* L. and *Origanum vulgare* ssp. *Hirtum* (link) Iets art Genotypes from Moldova. *J. ASM Life Sci*, 2:92–100.
- Gropper S.S., Smith J.L., dan Groff J.L. 2009. *Advanced Nutrition and Human Metabolism*. California: Wadsworth Cengage Learning.
- Gutiérrez G.E.P., Picos S.M.A., Leyva L.N., Criollo M.M.S., Vazquez O.G. dan Heredia J.B. 2017. Flavonoids and Phenolic Acids From Oregano: Occurrence, Biological Activity and Health Benefits. *Plants*, 7(2):1-23.
- Hackshaw A. 2009. *A Concise Guide to Clinical Trials*. West Sussex: Wiley Blackwell-BMJ Books.
- Hurlock E.B. 2001. *Development Psychology* 3rd ed. New York: Mc Graw Hill Book Company.
- Josic J., Olsson A.T, Wickeberg J, Linstedt S. dan Hlebowicz J. 2010. Does Green Tea Affect *Postprandial* Glucose, Insulin, and Satiety in Healthy Subjects: a Randomized Controlled Trial. *Nutrition Journal*. 9(36):1-8.
- Karori S.M., Wachira F.F., Wanyoko J.K. dan Ngure R.M. 2007. Antioxidant Capacity of Different Types of Tea Product. *African Journal of Biotechnology*. 6(19) :2287-2296.
- Kementerian Kesehatan Republik Indonesia (Kemenkes RI). 2014. Pusat Data dan Informasi Kementerian Kesehatan RI. Jakarta.
- Kristanto F. 2013. Kekerasan Permukaan Enamel Gigi Manusia Setelah Kontak dengan Air Perasan Citrus Limon. *Skripsi*. Surabaya: Universitas Airlangga.
- Lestari E.E., Evy K. 2016. Uji Efektivitas Daun Belimbing Wuluh (*Averrhoa bilimbi* L.) sebagai Pengobatan Diabetes Melitus. *Journal Majority*, 5(2):32-36
- Lestari N.P., Tjandrakirana. dan Kuswanti N. 2013. Pengaruh Pemberian Campuran Cairan Rebusan Secang (*Caesalpinia sappan* L.) dan Lidah Buaya (*Aloe vera*) Terhadap Kadar Glukosa Darah Mencit (*Mus musculus*). *Lentera Bio. Jurusan Biologi Fakultas MIPA Universitas Negeri Surabaya* 2(1):113-119.
- Louie J.C.Y., Atkinson F., Petocz P. dan Brand M.J.C. 2008. Delayed Effects of Coffee, Tea, and Sucrose on Postprandial Glycemia in Lean, Young, Healthy Adults. *Asia Pac J Clin Nutr*, 17(4):657-662.
- Lucioli S. 2012. Anthocyanins : Mechanism of Action and Therapeutic Efficacy. *Medicinal Plants as Antioxidant Agents : Understanding Their Mechanism of Action and Therapeutic Efficacy*, Editor : Anna Cappasso. *Research Signpost. India*, 661(2):27-57.

- Mayasari N.R., Susetyowati., Mae S.H.W. dan Probosuseno. 2018. Antidiabetic Effect of Rosella-Stevia Tea on Prediabetic Women in Yogyakarta, Indonesia. *Journal Of The American College Of Nutrition*, 37(5):373-379.
- Mohamed E.A.H. 2011. Antidiabetic, Antihypercholesterolemic and Antioxidative Effects of *Aloe Vera* Gel Extract in Alloxan Induced Diabetic Rats. *Australian Journal of Basic and Applied Sciences*, 5(11):1321-1327.
- Mufti, Dananjaya R. dan Yuniarti L. 2014. Perbandingan Peningkatan Kadar Glukosa Darah Setelah Pemberian Madu, Gula Putih, dan Gula Merah Pada Orang Dewasa Muda yang Berpuasa. *Prosiding Penelitian Civitas Akademika Unisba (Kesehatan)*, 69-75.
- Muhammad I. 2009. Efek Antioksidan Vitamin C Terhadap Tikus Jantan (*Rattus norvegicus* L) Akibat Paparan Asap Rokok. *Tesis*. Institut Pertanian Bogor, Bogor.
- Mujiyanti C., Sukmawati N.L.K. 2018. Efek Antihiperqlikemik Teh Daun Kelor (*Moringa oleifera*) pada Wanita Dewasa Dengan Prediabetes. *Jurnal Kesehatan Masyarakat*, 7(6):1-10.
- Murray R.K. Granner D.K., Mayes P.A. dan Rodwell V.W. 2003. Biokimia Harper. Edisi 25. Penerjemah: Andi Hartoko. Jakarta: EGC.
- Neovita E., Puspa S.D., Solihah, Sri, W., Hani, H.A. dan Fithriyani, A. 2020. Pengembangan Ekstrak Etanol Kulit Jeruk Lemon (*Citrus limon* L.) Sebagai Antidiabetes Oral. *Jurnal Ilmiah Farmasi*, 8(1):1-8.
- Nguyen Q.V., Hoang V. C. 2020. Processing of Herbal Tea from Roselle (*Hibiscus sabdariffa* L.) Effects of Drying Temperature and Brewing Conditions on Total Soluble Solid, Phenolic Content, Antioxidant Capacity and Sensory Quality. *Beverages*, 6(2):1-11.
- Nurfitri Y., Kun I.N.R. dan Idola P. 2018. Pengaruh Terapi Rebusan Daun Pandan Wangi (*Pandanus Amaryllifolius*) Terhadap Kadar Gula Darah Penderita Diabetes Melitus di Desa Ngasem, Kecamatan Ngasem, Kabupaten Kediri. *Studi Ilmu Keperawatan*. Kediri.
- Nursalam. 2017. *Metodologi Penelitian Ilmu Keperawatan : Pendekatan Praktis*. P.P Lestari., Ed. (4th. Ed). Jakarta: Salemba.
- Oniga L., Cristina P., Radu S.D., Neli K.O., Bogdan S., Raluca M., Ioan M., Alexandra C.S.B., Daniela B., Carmen E.P. dan Daniel H. 2018. *Origanum vulgare* ssp. *vulgare* : Chemical Composition And Biological Studies. *Journal Molecules*, 23(8):1-14.
- Paten China. 2018. Application of The *Dicliptera Chinensis Polysaccharide* in Preparing Prevention Diabetes Medicament or Health Products. *Publication of CN106265717B*
- Pezzani R., Vitalini S. dan Iriti M. 2017. Bioactivities of *Origanum vulgare* L.: An update. *Phytochem.* 16:1253–1268.

- Prameswari O.M., Widjanarko S.B. 2014. Uji Efek Ekstrak Air Daun Pandan Wangi Terhadap Penurunan Kadar Glukosa Darah dan Histopatologis Tikus Diabetes Mellitus. *Jurnal pangan dan agroindustri*, P.16-27.
- Prasetya R. 2018. Pengaruh Suhu Penyeduhan Teh Daun Kelor (*Moringa oleifera*) Terhadap Respon Glikemik pada Dewasa Sehat. Skripsi Institut Pertanian Bogor. Bogor.
- Pulido R., Bravo L. dan Calixto F.S. 2000. Antioxidant Activity of Dietary Polyphenols as Determined by a Modified Ferric Reducing/Antioxidant Power Assay. *J. Agric. Food Chem.* 48:3396-3402.
- Purwaningsih D. 2008. Prospek dan Peluang Usaha Pengolahan Produk *Aloe vera*. Artikel. Yogyakarta : Universitas Negeri Yogyakarta
- Puspitasari A.D., Emy S. dan Ana K. 2019. Aktivitas Antioksidan Dan Penetapan Kadar vitamin C Perasan Daging Buah Lemon (*Citrus limon* (L.) Osbeck) Menggunakan Metode ABTs. *Jurnal Ilmiah Teknosains.* 5(2):2460-2476
- Putri., Novi L. 2014. Pengaruh Pemberian Teh Daun Kelor (*Moringa oleifera*) Setelah dan Sebelum Terhadap Glukosa Darah Postprandial Dewasa Sehat. *Skripsi.* Bogor (ID): Institut Pertanian Bogor.
- Rahayu F., Christine J. dan Yuli H. 2015. Total Fenolik, Flavonoid dan Aktivitas Antioksidan dari Produk Teh Hijau dan Teh Hitam Tanaman Bangun-Bangun (*Coleus amboinicus*) Dengan Perlakuan ETT Rumpun Paitan. *JOM FMIPA*, 2(1):170-177.
- Rais I.R. 2015. Isolasi dan Penentuan Kadar Flavonoid Ekstrak Etanolik Herba Sambiloto (*Andrographis paniculata* (BURM.F) Ness). *Jurnal Fakultas Farmasi.* Universitas Ahmad Dahlan. Yogyakarta.
- Rajasekaran S., Kasiappan R., Karuran S. dan Sorimuthu S. 2006. Beneficial Effects of *Aloe vera* Leaf Gel Extract on Lipid Profile Status in Rats With Streptozotocin Diabetes. *Clinical and Experimental Pharmacology and Physiology*, 33:232–237.
- Reinauer H., Home P.D., Kanagasabapathy A.S. dan Heuck C. 2002. *Laboratory Diagnosis and Monitoring of Diabetes Mellitus*. Geneva: World Health Organization.
- Rimbawan., Siagian A. 2004. *Indeks Glikemik Pangan*. Bogor: Penebar Swadaya.
- Rodríguez G., V. M., Femenia, A., González-Laredo, R. F., RochaGuzmán, N. E., Gallegos-Infante, J.A., Candelas-Cadillo, M. G. dan Rosselló, C. 2011. Effects of Pasteurization on Bioactive Polysaccharide Acemannan and Cell Wall Polymers From *Aloe barbadensis* Miller. *Carbohydrate Polymers.* 86(4):1675–1683.
- Sa'pang M. 2015. Efek Antihiperqlikemik Minuman Secang (*Caesalpinia sappan* L.) Pada Wanita Dewasa Dengan Prediabetes. Thesis Institut Pertanian Bogor. Bogor

- Samane A., Mohsen F., Seyed A.S. dan Majid S. 2015. Improvement of Glucose and Lipid Profile status With *Aloe Vera* In Pre-Diabetic Subjects: A Randomized Controlled-Trial. *Journal of Diabetes & Metabolic Disorders*. 14(22):1-7.
- Sari R., Suhartati. 2016. Secang (*Caesalpinia Sappan .L*) : Tumbuhan Herbal Kaya Antioksidan. *Info Teknis EBONI*. 13(1):57-68
- Shannon E., Jaiswal A.K. dan Abu-Ghannan N. 2018. Polyphenolic Content And Antioxidant Capacity Of Whit, Green, Black And Herbal Teas : a Kinetic Study. *Food Research*, 2(1):1-11.
- Shephard R.J. 1998. *Aging and Exercise*. In: Encyclopedia of Sports Medicine and Science, (Fahey TD, Ed.). Toronto: Internet Society for Sport Science.
- Sitorus R., Wullur A. dan Yamlean P. 2012. Isolasi dan Identifikasi Senyawa Flavonoid Pada Daun Adam Hawa (*Rhoeo discolor*). *Pharmacon*, 1(1):53-57.
- Soonthorn P.S., Rattarasarn C., Leelawattana R. dan Setasuban W. 1999. Postprandial Plasma Glucose: A good Index Of Glycemic Control In Type 2 Diabetic Patients Having Near-Normal fasting Glucose Levels. *Diabetes Research and Clinical Practice*, 46:23-37.
- Swadago R.W., Meda A., Lamien C.E., Kiendrebeogo M., Guissou I.P. dan Naucoulma, O.G. 2006. Phenolic Content And Antioxidant Activity Of Six *Acanthaceae* From Burkina Faso. *Journal of Biological Science*, 6 (2):249-252.
- Tanaka M., Misawa E., Ito Y., Habara N., Nomaguchi K., Yamada M. dan Higuchi R. 2006. Identification of Five Phytosterols from Aloe Vera Gel as Anti-diabetic Compounds. *Biological & Pharmaceutical Bulletin*, 29(7):1418–1422.
- Tjay T.H., Kirana R. 2007. *Obat-Obat Penting*. Jakarta: Gramedia.
- Trisnawati I., Hersoelistyorini W. dan Nurhidajah. 2019. Tingkat Kekurangan, Kadar Vitamin C dan Aktivitas Antioksidan Infused Water Lemon dengan Variasi Suhu dan Lama Perendaman. *Jurnal Pangan dan Gizi*, 9(1): 27-38.
- Tsuda T., Ueno Y., Aoki H., Koda T., Horio F., Takahashi N., Kawada T. dan Osawa T. 2004. Anthocyanins Enhances Adipocytokine Secretion and Adipocyte-specific Gene Expression in Isolated Rat Adipocytes. *Biochemical Biophysical Research Communication*, 316(1):149-157.
- USDA. 2020. United States Department Of Agriculture : *Natural Resources Conservation Service*. Diakses pada 29 april 2021. <https://plants.usda.gov/core/profile?symbol=DICH2>
- Wang R., Yang B. 2009. Extraction of Essential Oils From Five *Cinnamon Leaves* and Identification of Their Volatile Compound Compositions. *Innovation Food Science and Emerging Technology*. (10):289–292.
- Widowati W. 2011. Uji Fitokimia dan Potensi Antioksidan Ekstrak Etanol Kayu Secang (*Caesalpinia sappan L.*). *JKM*. (11):23-31.
- Wildman R.E.C., Kelley M. 2007. Nutraceuticals and Functional Foods dalam Wildman REC, Eds. *Handbook of Nutraceuticals and Functional Foods*. Boca Raton: CRC Press-Taylor and Francis Group.

- Wolever T.M.S. 2006. *The Glycaemic Index-A Physiological Classification of Dietary Carbohydrate*. Oxfordshire: CABI Publishing.
- World Health Organization (WHO) Expert Consultation. 2004. Appropriate Body mass Index For Asian Populations and Its Implications For Policy And Intervention Strategies. *The Lancet* 363(9403):157-163.
- Xu B.J., Chang S.K.C. 2007. A Comparative on Phenolic Profiles and Antioxidant Activities of Legumes as Affected by Extraction Solvents. *Journal of Food Science*, 72(2):159-166
- Yan F., Azizi, A., Janke, S., Schwarz, M., Zeller, S. dan Honermeier, B. 2016. Antioxidant Capacity Variation in the Oregano (*Origanum vulgare* L.) Collection of the German National Genebank. *Ind. Crop. Prod.* 92:19–25.
- Yusuf M., Aulia W. 2019. Efek Infus Kayu Secang (*Caesalpinia Sappan* L.) Terhadap Penurunan Kadar Gula Darah Mencit (*Mus Musculus*). *Media Farmasi*. 15(1) :2622-0962
- Zanzer Y.C. 2011. Studi Pengaruh Variasi Pemberian Kadar EGCG (*Epigallocatechin gallate*) Teh Hijau Dalam Mengontrol Level Glukosa Plasma Darah *post-prandial* pada Subjek Dewasa Muda Sehat. Skripsi. Bogor: Departemen Gizi Masyarakat, Fakultas Ekologi Manusia, IPB.