

DAFTAR PUSTAKA

- ADA 2019. *Diabetes Care: Standards Of Medical Care in Diabetes 2019*, American Diabetes Association.
- Alles, M.J.L. *et al.* 2015. 'Concentration and Purification of Yacon (*Smallanthus sonchifolius*) Root Fructooligosaccharides Using Membrane', *Institute of Food Science and Technology, Federal University of Rio Grande do Sul*, 53(2), pp. 190–200.
- Basrin, F. and Babe, T. 2019. 'Substitusi Tepung Terigu Dengan Tepung Ubi Banggal (*Discorea spp*) Terhadap Mutu Organoleptik Biskuit', *Pengolahan Pangan*, 4(1), p. 2.
- Bondarchuk, N. and Reshetniak, L. 2018. 'The Influence Of Biotin On Growth and Developemnt of Bacteria *Lactobacillus Plantarum*', *Proceedings of the National Aviation University*, 74(1), pp. 130–135. doi:10.18372/2306-1472.74.12301.
- Borboni, P. *et al.* 1996. 'Effect of biotin on glucokinase activity, mRNA expression and insulin release in cultured beta cells', *Acta Diabetologica*, 33(2), pp. 154–158. doi:10.1007/BF00569427.
- BPOM 2016. 'Peraturan Kepala Badan Pengawas Obat dan Makanan Republik Indonesia Nomor 9 Tahun 2016 tentang Acuan Label Gizi', *Bpom RI*, pp. 1–9.
- BPOM RI 2019. 'Peraturan Badan Pengawas Obat dan Makanan Nomor 22 Tahun 2019: Informasi Nilai Gizi Pada Label Pangan Olahan', *BPOM RI*, 11, pp. 1–16.
- BSN 2006. 'Petunjuk Pengujian Organoleptik dan atau Sensori', *BSN (Badan Standarisasi Nasional)*. Indonesia.
- Choque Delgado, G.T. *et al.* 2013. 'Yacon (*Smallanthus sonchifolius*): A Functional Food', *Plant Foods for Human Nutrition*, 68(3), pp. 222–228. doi:10.1007/s11130-013-0362-0.
- Puentes, N. and Alviz-Amador, Antistio 2020. 'Hypoglycaemic Property of Yacon (*Smallanthus sonchifolius* ', *Pharmacogn Rev*, 14(27), pp. 37–44. Available at:
https://www.researchgate.net/publication/342151496_Hypoglycaemic_Property_of_Yacon_Smallanthus_sonchifolius_Poepp_and_Hendl_H_Robinson_A_Review.

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- Contreras-Puentes, N. and Alvíz-Amador, A. 2020. ‘Hypoglycaemic Property of Yacon (*Smallanthus sonchifolius*’, *Pharmacogn Rev*, 14(27), pp. 37–44. doi:10.5530/phrev.2020.14.7.
- Dasril, O. 2020. ‘Pemanfaatan Susu Sapi dan Susu Kedelai dalam Pembuatan Dadih Sebagai makanan Fungsional Serta Cara Penyajiannya’, *Jurnal Kesehatan Sainika Meditory*, 2(4657), pp. 62–72.
- Decroli, E. 2019. *Diabetes Mellitus Tipe 2*. Padang: Pusat Penerbitan Bagian Ilmu Penyakit Dalam Fakultas Kedokteran Universitas Andalas Padang.
- Denanti, A.R. 2019. ‘Kandungan Gizi, Magnesium, Serat Larut Air, Dan Aktivitas Antioksidan Minuman Fungsional Biji Labu Kuning Dengan Penambahan Quinoa’, pp. 1–9.
- Dewi, A. 2019. ‘Pengaruh Penambahan Tepung Ubi Ungu (*Ipomea Batatas L.Poiret*) Terhadap Mutu Organoleptik, Zat Gizi Makro, dan Kadar Betakaroten Muffin’, *Sekolah Tinggi Ilmu Kesehatan Perintis*, 8(5), p. 55.
- Dionísio, A.P. *et al.* 2020. ‘Effect of yacon syrup on blood lipid, glucose and metabolic endotoxemia in healthy subjects: A randomized, double-blind, placebo-controlled pilot trial’, *Food Science and Technology*, 40(1), pp. 194–201. doi:10.1590/fst.38218.
- Echeta, C.K., Awuchi, C.G. and Kate Echeta, C. 2020. ‘Diabetes and the Nutrition and Diets for Its Prevention and Treatment: A Systematic Review and Dietetic Perspective Diabetes and the Nutrition and Diets for Its Prevention and Treatment’., *Health Sciences Research*, 6(1), pp. 5–19. Available at: <http://www.aascit.org/journal/hsr>.
- Ejtahed, H.S. *et al.* 2012. ‘Probiotic Yogurt Improves Antioxidant Status in Type 2 Diabetic Patients’, *Nutrition*, 28(5), pp. 539–543. doi:10.1016/j.nut.2011.08.013.
- Erna, S. 2019. ‘Uji Organoleptik Dan Kadar Protein Terhadap Susu Nabati Berbahan Baku Kacang Tanah (*Arachis hypogaea*) Dengan Penambahan Perisa Jeruk Manis (*Citrus sinensis*).’, *Skripsi* [Preprint].
- Evert, A.B. *et al.* 2019. ‘Nutrition therapy for adults with diabetes or prediabetes: A consensus report’, *Diabetes Care*, 42(5), pp. 731–754. doi:10.2337/dci19-0014.
- Faye, B., Konuspayeva, G. and Bengoumi, M. 2019. ‘Vitamins of camel milk: A comprehensive review’, *Journal of Camelid Science*, (12), pp. 17–32.
- Febrinasari, R.P. *et al.* 2020. ‘Buku Saku Diabetes Melitus Untuk Awam’, *Buku Saku*, (November), p. 21.

- Feringo, T. 2019. 'Analisis Kadar Air, Kadar Abu, Kadar Abu Tak Larut Asam Dan Kadar Lemak Pada Makanan Ringan Di Balai Riset Dan Standarisasi Industri Medan', *Universitas Sumatera Utara*, 8(5), p. 55.
- Gibney, M.J., Lanham-New, S.A. and Vorster, A.C. and H.H. 2013. *Introduction to Human Nutrition, Nutrition Society*. doi:10.1002/9781118692318.ch1.
- Gill, B.D. *et al.* 2018. 'A rapid method for the determination of biotin and folic acid in liquid milk, milk powders, infant formula, and milk-based nutritional products by liquid chromatography–tandem mass spectrometry', *Journal of AOAC International*, 101(5), pp. 1578–1583. doi:10.5740/jaoacint.18-0065.
- Habib, N.C. *et al.* 2015. 'Yacon roots (*Smallanthus sonchifolius*) improve oxidative stress in diabetic rats', *Pharmaceutical Biology*, 53(8), pp. 1183–1193. doi:10.3109/13880209.2014.970285.
- Hemmati, M., Babaei, H. and Abdolsalehei, M. 2013. 'Survey of the effect of biotin on glycemic control and plasma lipid concentrations in type 1 diabetic patients in Kermanshah in Iran (2008-2009)', *Oman Medical Journal*, 28(3), pp. 195–198. doi:10.5001/omj.2013.53.
- Honoré, S.M. *et al.* 2015. 'Smallanthus sonchifolius (Yacon) Leaves : an Emerging Source of Compounds for Diabetes Management', *Journal of Research in Biology Journal of Research in Biology An International Scientific Research Journal Journal of Research in Biology An International Scientific Research Journal*, 5(January), pp. 21–42.
- IDF Diabetes Atlas 2021. *IDF Diabetes Atlas 6th, International Diabetes Federation*.
- Ismawati, I., Destryana, R.A. and Huzaimah, N. 2020. 'Mutu Organoleptik dan Daya Terima Panelis Terhadap Crackers Kasembukan (*Paederia foetida* Linn.) Sebagai Pangan Fungsional', *Agrointek*, 14(1), pp. 67–74. doi:10.21107/agrointek.v14i1.6313.
- Ke, Q. *et al.* 2018. 'Association Between Dietary Protein Intake And Type 2 Diabetes Varies By Dietary Pattern', *Diabetology and Metabolic Syndrome*, 10(1), pp. 1–10. doi:10.1186/s13098-018-0350-5.
- Kemenkes RI 2018. 'Risikesdas 2018'. Available at: https://kesmas.kemkes.go.id/assets/upload/dir_519d41d8cd98f00/files/Hasil-risikesdas-2018_1274.pdf.
- Kim, Y.A., Keogh, J.B. and Clifton, P.M. 2018. 'Probiotics, prebiotics, synbiotics and insulin sensitivity', *Nutrition Research Reviews*, 31(1), pp. 35–51. doi:10.1017/S095442241700018X.
- Lestari, M. 2015. 'Uji Kadar Protein dan Asam Total Dadih Susu Kambing Etawa

dengan Variasi Penutupan dan Lama Fermentasi Yang Berbeda’.

- Malik, U.R. *et al.* 2020. ‘Nutritional management of diabetes mellitus’, *Modern Nutrition in Health and Disease: Eleventh Edition*, 5(1). doi:10.5005/jp/books/12626_31.
- Manrique, I., Párraga, A. and Hermann, M. 2005. *Yacon syrup: Principles and Processing*, Centro Internacional de la Papa (CIP). Edited by M. Hermann, I.P.C.O.A. Hidalgo, and A.C.I. S.A.C.
- Mejia, E. and Pearlman, M. 2019. ‘Natural Alternative Sweeteners and Diabetes Management’, *Current Diabetes Reports*, 19(12). doi:10.1007/s11892-019-1273-8.
- Milasari, Y. 2019. ‘Kadar Karbohidrat Dalam Susu Perah (Susu Sapi) Dengan Penambahan Madu Konsentrasi 25%, 50%, dan 75%’, *Sekolah Tinggi Ilmu Kesehatan Insan Cendekia Medika*, pp. 1–19.
- Negara, J. *et al.* 2016. ‘Aspek mikrobiologis, serta Sensori (Rasa, Warna, Tekstur, Aroma) Pada Dua Bentuk Penyajian Keju yang Berbeda’, *Jurnal Ilmu Produksi dan Teknologi Hasil Peternakan*, 4(2), pp. 286–290. doi:10.29244/jipthp.4.2.286-290.
- Neuenschwander, M. *et al.* 2019. ‘Role of diet in type 2 diabetes incidence: Umbrella review of meta-analyses of prospective observational studies’, *The BMJ*, 366. doi:10.1136/bmj.l2368.
- Ningrum, L., Rosavira, T. and Pambudi, B. 2017. ‘How The Panelists Votes Chicken Ballotine With Analog Chicken Turkey and Duck’, *International Journal of Innovative Science and Research Technology ISSN*, 2(4), pp. 119–124.
- Nix, W.A. *et al.* 2015. ‘Vitamin B status in patients with type 2 diabetes mellitus with and without incipient nephropathy’, *Diabetes Research and Clinical Practice*, 107(1), pp. 157–165. doi:10.1016/j.diabres.2014.09.058.
- Nuraeni, S., Purwasih, R. and Romalasari, A. 2019. ‘Analisis Proksimat Yoghurt Susu Kambing dengan Penambahan Jeruk bali (Citrus Grandis L. Osbeck)’, *Jurnal Ilmiah Ilmu dan Teknologi Rekayasa*, 2(1), pp. 20–24. doi:10.31962/jiitr.v2i1.36.
- Nuraeni, S., Purwasih, R. and Romalasari, A. 2020. ‘Analisis Proksimat Yogurt Susu Kambing Dengan Penambahan Jeruk Bali (Citrus Grandis L. Osbeck)’, *Jurnal Ilmiah Ilmu dan Teknologi Rekayasa*, 2(1), pp. 20–24. doi:10.31962/jiitr.v2i1.36.
- PERKENI 2019. ‘Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Dewasa di Indonesia 2019’, *Perkumpulan Endokrinologi Indonesia*, pp. 1–

117.

- Putri, M.T. *et al.* 2021. 'Proximate analysis of Dadih from Kapau, Agam Regency, West Sumatera, Indonesia', *IOP Conference Series: Earth and Environmental Science*, 888(1). doi:10.1088/1755-1315/888/1/012044.
- Puwastien, P. *et al.* 2011. 'Asean Manual of Nutrient Analysis', *Institute of Nutrition Manihol*, p. 188. Available at: www.inmu.mahidol.ac.th/aseanfoods.
- Rahayu, W.P. *et al.* 2020. 'Susu Fermentasi Dengan Biji Nangka Sebagai Prebiotik', *Jurnal Teknologi dan Industri Pangan*, pp. 138–146. doi:10.6066/jtip.2020.31.2.138.
- Rajalakshmy, P. 2019. 'Role of Micronutrients on Type II Diabetes Mellitus', *Acta Scientifci Nutritional Health*, 3(10), pp. 44–47. doi:10.31080/asnh.2019.03.0444.
- Rice Bradley, B.H. 2018. 'Dietary Fat and Risk for Type 2 Diabetes: a Review of Recent Research', *Current Nutrition Reports*, 7(4), pp. 214–226. doi:10.1007/s13668-018-0244-z.
- Dos Santos, K.C. *et al.* 2017. 'Yacon (*Smallanthus sonchifolius*) Leaf Extract Attenuates Hyperglycemia and Skeletal Muscle Oxidative Stress and Inflammation in Diabetic Rats', *Evidence-based Complementary and Alternative Medicine*, 2017. doi:10.1155/2017/6418048.
- Satoh, H. *et al.* 2013. 'Yacon diet (*Smallanthus sonchifolius*, Asteraceae) improves hepatic insulin resistance via reducing Trb3 expression in Zucker fa/fa rats', *Nutrition and Diabetes*, 3(MAY), pp. e70-6. doi:10.1038/nutd.2013.11.
- Setiyawan 2016. 'Dasar Nutrisi Kedokteran', *Monspub15*, 53(9), pp. 1-4p.
- Shafi, A. *et al.* 2019. 'Antimicrobial and antidiabetic potential of synbiotic fermented milk: A functional dairy product', *International Journal of Dairy Technology*, 72(1), pp. 15–22. doi:10.1111/1471-0307.12555.
- Shimadzu Corporation 2019. 'Fundamental Guide to Liquid Chromatography Mass Spectrometry (LCMS)', p. 62. Available at: https://www.shimadzu.eu.com/sites/shimadzu.seg/files/SEG/C10G-E065A_Shimadzu_Fundamental_Guide_to_LCMS.pdf.
- Siddhi, B.N.G.M., Suardana, I.W. and Antara, N.S. 2019. 'Studies on Lactic Acid Bacteria Isolate Sr 13 From Bali Cattle Gastric', *Journal of Veterinary and Animal Sciences*, 2(1), p. 31. doi:10.24843/jvas.2019.v02.i01.p05.
- SiELC 2018. 'Separation of Biotin on Newcorm R1 HPLC Column', *SiELC Technologies* [Preprint].

Hesti Pembayun, 2022

PENGARUH PENAMBAHAN SIROP UMBI YAKON (*Smallanthus sonchifolius*) TERHADAP KANDUNGAN GIZI DAN KADAR VITAMIN B7 PANGAN FUNGSIONAL DADIH SUSU SAPI

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[www.upnvj.ac.id – www.library.upnvj.ac.id – www.repository.upnvj.ac.id]

- Suranti, D. 2018. 'Application of Exponential Comparison Method and Simple Additive Weighting Method in Assessment of Agricultural Extension Performance', *Scientific Journal of Informatics*, 5(2), pp. 128–137. doi:10.15294/sji.v5i2.16128.
- Tandon, D. *et al.* 2019. 'A prospective randomized, double-blind, placebo-controlled, dose-response relationship study to investigate efficacy of fructooligosaccharides (FOS) on human gut microflora', *Scientific Reports*, 9(1), pp. 1–15. doi:10.1038/s41598-019-41837-3.
- Taufik, E. 2004. 'Dadih Susu Sapi Hasil Fermentasi berbagai Starter Bakteri Probiotik yang Disimpan pada Suhu Rendah: Karakteristik Kimiawi', *Institut Pertanian Bogor*, 27.
- Tixi-Verdugo, W. *et al.* 2017. 'Effects of Biotin Supplementation during the First Week Postweaning Increases Pancreatic Islet Area, Beta-Cell Proportion, Islets Number, and Beta-Cell Proliferation', *Journal of Medicinal Food*, 21(3), pp. 274–281. doi:10.1089/jmf.2017.0077.
- Turgut, M. *et al.* 2018. 'Biotin and chromium histidinate improve glucose metabolism and proteins expression levels of IRS-1, PPAR- γ , and NF-KB in exercise-trained rats', *Journal of the International Society of Sports Nutrition*, 15(1), pp. 1–10. doi:10.1186/s12970-018-0249-4.
- Ulfa, M., Sugitha, I.M. and Trisna Darmayanti, L.P. 2020. 'Pengaruh Penambahan Skim terhadap Karakteristik Dadih Susu Sapi yang Dibuak dalam Ruas Bambu Wuluh (*Schizostachyum silicatum*) di Bali', *Jurnal Ilmu dan Teknologi Pangan (ITEPA)*, 9(2), p. 211. doi:10.24843/itepa.2020.v09.i02.p11.
- Universitas Gajah Mada 2018. *Dadih: Yoghurt Indonesia*. Available at: <https://kanalpengetahuan.tp.ugm.ac.id/menara-ilmu/2018/1315-dadih-bagaimana-kabar-si-yoghurt-asli-indonesia.html>.
- Usmiati, S. and Risfaheri 2013. 'Pengembangan Dadih Sebagai Pangan Fungsional Probiotik Asli Sumatera Barat', *Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian*, 32(1), pp. 20–29. doi:10.21082/jp3.v32n1.2013.p20-29.
- Wahyuni, A. 2016. 'Kualitas Dadih Kedelai Pangan Penambahan Sari Jeruk Manis Dan Jambu Biji', pp. 1–5.
- WHO 2019. 'Classification Of Diabetes'.
- Widyantari, A.A.A.S.S. 2020. 'Formulasi Minuman Fungsional Terhadap Aktivitas Antioksidan', *Widya Kesehatan*, 2(1), pp. 22–29. doi:10.32795/widyakesehatan.v2i1.604.

- Wirawati, C.U. *et al.* 2017. 'Karakteristik dan Pengembangan Dadih dari Susu Sapi sebagai Alternatif Dadih Susu Kerbau (Characteristic and Development of Cow's Milk Dadih as an Alternate of Buffalo's Milk Dadih)', *Wartazoa*, 27(2), pp. 95–103.
- Woollard, D. 2013. 'Biotin analysis in dairy products Biotin Analysis in Dairy Products', *The Royal Society of Chemistry*, 24(January 2013).
- Yoshii, K. *et al.* 2019. 'Metabolism of Dietary and Microbial Vitamin B Family in The Regulation of Host Immunity', *Frontiers in Nutrition*, 6(April), pp. 1–12. doi:10.3389/fnut.2019.00048.
- Youn, H.S. *et al.* 2021. 'Lactobacillus plantarum reduces low-grade inflammation and glucose levels in a mouse model of chronic stress and diabetes', *Infection and Immunity*, 89(8). doi:10.1128/IAI.00615-20.
- Zdzieblo, A.P., Reuter, W.M. and Perkin Elmer, I. 2015. 'The Qualitative and Quantitative Analysis of Water-Soluble B Vitamins by HPLC-PDDA in Various Multivitamin Tablets', *PerkinElmer, Inc* [Preprint]. Available at: https://www.perkinelmer.com/lab-solutions/resources/docs/APP_Analysis-of-Water-Soluble-B-Vitamins-by-HPLC-PDA.pdf.
- Zhao, J. *et al.* 2022. 'A Potential Synbiotic Strategy for the Prevention of Type 2 Diabetes: Lactobacillus paracasei JY062 and Exopolysaccharide Isolated from Lactobacillus plantarum JY039', *MDPI* [Preprint]. doi:<https://www.mdpi.com/2072-6643/14/2/377>.