

DAFTAR PUSTAKA

- Allin, K. H., Nielsen, T., & Pedersen, O. 2015. Gut microbiota in patients with type 2 diabetes mellitus. *European Journal of Endocrinology*. 167-177.
- Arnold, M., Rajagukguk, Y. V., & Gramza-Michałowska, A. (2021). Characterization of Dadih: Traditional Fermented Buffalo Milk of Minangkabau. *Beverages*, 7(3), 60.
- Asemi, Z., Zare, Z., Shakeri, H., Sabihi, S. S., & Esmaillzadeh, A. (2013). Effect of multispecies probiotic supplements on metabolic profiles, hs-CRP, and oxidative stress in patients with type 2 diabetes. *Annals of nutrition and metabolism*, 63(1-2), 1-9.
- Association, A. D. (2020). 1. Improving care and promoting health in populations: standards of medical care in diabetes—2020. *Diabetes Care*, 43(Supplement_1), S7-S13.
- Aluwong, T., Ayo, J. O., Kpukple, A., & Oladipo, O. O. (2016). Amelioration of hyperglycaemia, oxidative stress and dyslipidaemia in alloxan-induced diabetic wistar rats treated with probiotic and vitamin C. *Nutrients*, 8(5), 151.
- Atlas IDFD. 463 People living with diabetes million.; 2021.
- Ajiboye, B. O., Shonibare, M. T., & Oyinloye, B. E. (2020). Antidiabetic activity of watermelon (*Citrullus lanatus*) juice in alloxan-induced diabetic rats. *Journal of Diabetes & Metabolic Disorders*, 19(1), 343-352.
- Bastani, P., Akbarzadeh, F., Homayouni, A., Javadi, M., & Khalili, L. (2016). Health benefits of probiotic consumption. In *Microbes in food and health* (pp. 163-183). Springer, Cham.
- Bintari, N. W. D., & Parwati, P. A. (2021). Suplementasi Soya Yogurt Untuk Perbaikan Kelimpahan Mikroba Sekum (Bakteri Asam Laktat Dan *Escherichia coli*) Tikus Diabetes Soya Yogurt. *Metamorfosa: Journal of Biological Sciences*, 8(1), 35-46.
- Biswas, S. K. (2016). Does the interdependence between oxidative stress and inflammation explain the antioxidant paradox?. *Oxidative medicine and cellular longevity*, 2016.
- Boukhris, M., Bouaziz, M., Feki, I., Jemai, H., El Feki, A., & Sayadi, S. (2012). Hypoglycemic and antioxidant effects of leaf essential oil of *Pelargonium graveolens* L'Hér. in alloxan induced diabetic rats. *Lipids in health and disease*, 11(1), 1-10.

- Chen, P., Zhang, Q., Dang, H., Liu, X., Tian, F., Zhao, J., et al. (2014). Screening for Potential New Probiotic Based on Probiotic Properties and α -Glukosidase Inhibitory Activity. *Food Control*. 35: 65-72.
- Damayanthi, E., Hasinah, H., Setyawardani, T., Rizqiaty, H., & Putra, S. (2014). Karakteristik susu kerbau sungai dan rawa di Sumatera Utara. *Jurnal Ilmu Pertanian Indonesia*, 19(2), 67-73.
- Das, J., Vasan, V., & Sil, P. C. (2012). Taurine exerts hypoglycemic effect in alloxan-induced diabetic rats, improves insulin-mediated glucose transport signaling pathway in heart and ameliorates cardiac oxidative stress and apoptosis. *Toxicology and applied pharmacology*, 258(2), 296-308.
- Daud, N. (2013). Aktivitas Antidiabetes Ekstrak Daun Ubi Jalar (Ipomoea batatas L) pada Mencit yang Diinduksi Streptozotocin.
- Decroli, E. (2019). Diabetes Melitus Tipe 2 (Y. P. E. Kam, Alexander, G. P. Decroli, & A. Rahmadi (eds.); Pertama).
- Dietert, R. R., & Dietert, J. M. (2015, March). The microbiome and sustainable healthcare. In *Healthcare* (Vol. 3, No. 1, pp. 100-129). Multidisciplinary Digital Publishing Institute.
- Digssie A, Tiruneh SA, Ayele AA, Getachew H, Tegegn, Ayele BA, et al.(2020). Level of glycemic control and its associated factors among type II diabetic patients in Debre Tabor General Hospital, Northwest Ethiopia. *J Diabetes Endocrinol Res*. 2020;2(1):1-7.
- Dipiro, B. G. W. J. T., & DiPiro, T. L. S. C. V. (2015). *Pharmacotherapy Handbook Ninth Edition*, Barbara G. Wells, PharmD, FASHP, FCCP, 2015 by McGraw-Hill Education. McGraw-Hill Education.
- Dovi, K. S., Bajinka, O., & Conteh, I. (2022). Evidence and possible mechanisms of probiotics in the management of type 1 diabetes mellitus. *Journal of Diabetes & Metabolic Disorders*, 1-14.
- Ejtahed, H. S., Mohtadi-Nia, J., Homayouni-Rad, A., Niafar, M., Asghari-Jafarabadi, M., & Mofid, V. (2012). Probiotic yogurt improves antioxidant status in type 2 diabetic patients. *Nutrition*, 28(5), 539-543.
- Esfandi, R., Walters, M. E., & Tsopmo, A. (2019). Antioxidant properties and potential mechanisms of hydrolyzed proteins and peptides from cereals. *Heliyon*, 5(4), e01538.

- Firdaini, F. (2016). Pengaruh Probiotik Dadih terhadap Kadar Kolesterol Low Density Lipoprotein (LDL) pada Tikus Jantan Galur Wistar Hipertoleolemia. Universitas Andalas.
- Gomez, A. C., Bueno, A. A., de Souza, R. G. M., & Mota, J. F. (2014). Gut microbiota, probiotics and diabetes. *Nutrition journal*, 13(1), 1-13.
- Harun, H., Yanwirasti, Y., Purwanto, B., & Rahayuningsih, E. P. (2020). The Effect of Giving Dadih on Malondialdehyde Levels and Renal Interstitial Fibrosis at Aging Kidney. *Open Access Macedonian Journal of Medical Sciences*, 8(A), 293-296.
- Haskas, Y., Suarnianti, S., & Restika, I. (2022). Glycemic Control in Patients with Type 2 Diabetes Mellitus: Descriptive Survey in Makassar City Hospitals. *Jurnal Keperawatan Komprehensif (Comprehensive Nursing Journal)*, 8(1).
- Herman, W.H., Cohen, R.M. (2012). Racial and Ethnic Differences in the Relationship between HbA1c and Blood Glucose: implications for the Diagnosis of Diabetes. *J Clin Endocrinol Metab*. 97: 1067-1072.
- Husna, F., Suyatna, F. D., Arozal, W., & Purwaningsih, E. H. (2019). Model hewan coba pada penelitian diabetes. *Pharmaceutical Sciences and Research*, 6(3), 1.
- Jurnalist, Y. D. (2020). Pengaruh Pemberian Dadih Terhadap Keseimbangan Mikroflora Usus dan Tinggi Vili Ileum. *Sari Pediatri*, 21(4), 207-12
- Kartikasari, O., Astuti, A. D., Wabula, M. B. M., & Dewi, S. S. (2019). Aktivitas Lactobacillus plantarum Isolat Air Susu Ibu pada Tikus Galur Wistar Diabetes Mellitus. *Jurnal Kesehatan*, 10(3), 422-429.
- Katjasungkana, R. M. K., Novitasari, B. R., Amalia, S. R., Nurfajriana, A., Agustini, S. M., Cakrawati, H., & Andari, D. (2020). Antidiabetic potential of matoa bark extract (*pometia pinnata*) in alloxan-induced diabetic male rat strain wistar (*rattus norvegicus*). *Systematic Reviews in Pharmacy*, 11(8), 88-97.
- Kemenkes RI. Laporan Nasional Hasil Riset Kesehatan Dasar (Riskeddas) Indonesia tahun 2018. Ris Kesehat Dasar 2018.
- Kemenkes R.I. (2020). Informasi Diabetes Melitus
- Khalili, L., Alipour, B., Jafar-Abadi, M. A., Faraji, I., Hassanlilou, T., Abbasi, M. M., ... & Sani, M. A. (2019). The effects of Lactobacillus casei on glycemic response, serum sirtuin1 and fetuin-a levels in patients with type 2 diabetes mellitus: a randomized controlled trial. *Iranian biomedical journal*, 23(1), 68.

- Kusuma, R. J., Azzyati, F., Purbarani, G., Sulistyorini, R., Nofiartika, F., & Huriyati, E. (2015). Effect of traditional fermented buffalo milk (Dadih) on body weight, adipose tissue mass and adiposity inflammation in high fat-induced obese rats. *EC Nutrition*, 1(3), 106-114.
- Lenzen, S. (2008). The mechanisms of alloxan-and streptozotocin-induced diabetes. *Diabetologia*, 51(2), 216-226.
- Mayendraraj, A., Rosenkilde, M. M., & Gasbjerg, L. S. (2022). GLP-1 and GIP receptor signaling in beta cells—A review of receptor interactions and co-stimulation. *Peptides*, 170749.
- Okesola, M. A., Ajiboye, B. O., Oyinloye, B. E., Osukoya, O. A., Owero-Ozeze, O. S., I. Ekakitie, L., & Kappo, A. P. (2020). Effect of Solanum macrocarpon Linn leaf aqueous extract on the brain of an alloxan-induced rat model of diabetes. *Journal of International Medical Research*, 48(6), 0300060520922649.
- PERKENI, P. (2021). Pedoman pengelolaan dan pencegahan diabetes melitus tipe 2 dewasa di Indonesia . Jakarta: PB Perkeni.
- Purwati, E. (2014). Molekuler Karakterisasi Bakteri Asam Laktat Isolate Dadih Air Dingin Kabupaten Solok Sumatera Barat.
- Larsen, N., Vogensen, F. K., Van Den Berg, F. W., Nielsen, D. S., Andreasen, A. S., Pedersen, B. K., ... & Jakobsen, M. (2010). Gut microbiota in human adults with type 2 diabetes differs from non-diabetic adults. *PLoS one*, 5(2), e9085.
- Lobet, E., Letesson, J. J., & Arnould, T. (2015). Mitochondria: a target for bacteria. *Biochemical pharmacology*, 94(3), 173-185.
- Mazloom, Z., Yousefinejad, A., & Dabbaghmanesh, M. H. (2013). Effect of probiotics on lipid profile, glycemic control, insulin action, oxidative stress, and inflammatory markers in patients with type 2 diabetes: a clinical trial. *Iranian journal of medical sciences*, 38(1), 38.
- Mohamadshahi, M., Veissi, M., Haidari, F., Shahbazian, H., Kaydani, G. A., & Mohammadi, F. (2014). Effects of probiotic yogurt consumption on inflammatory biomarkers in patients with type 2 diabetes. *BioImpacts: BI*, 4(2), 83.
- Newsholme, P., Cruzat, V. F., Keane, K. N., Carlessi, R., & de Bittencourt Jr, P. I. H. (2016). Molecular mechanisms of ROS production and oxidative stress in diabetes. *Biochemical Journal*, 473(24), 4527-4550.

- Noor, S. K., Elmadhoun, W. M., Bushara, S. O., Almobarak, A. O., Salim, R. S., Forawi, S. A., ... & Ahmed, M. H. (2017). Glycaemic control in Sudanese individuals with type 2 diabetes: Population based study. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, 11, S147-S151.
- Raygan, F., Rezavandi, Z., Bahmani, F., Ostadmohammadi, V., Mansournia, M. A., Tajabadi-Ebrahimi, M., ... & Asemi, Z. (2018). The effects of probiotic supplementation on metabolic status in type 2 diabetic patients with coronary heart disease. *Diabetology & metabolic syndrome*, 10(1), 1-7.
- Rezaei M, Sanagoo A, Jouybari L, Behnampooor N & Kavosi A. (2016). The Effect of Probiotic Yogurt on Blood Glucose and cardiovascular Biomarkers in Patientss with Type II Diabetes : A Randomized Controlled Trial. Evidence Based Journal, 6(4): 25–35. doi: 10.22038/ebcj.2016.7984.
- RISKESDAS. (2018). Laporan provinsi Sumatra Barat RISKESDAS 2018. Jakarta: Balitbangkes.
- Sari, P. P., Nurliana, N., Hasan, M., Sayuti, A., Sugito, S., & Amiruddin, A. (2017). Lactobacillus casei Fermented Milk as a Treatment for Diabetes in Mice (Mus musculus). *Jurnal Medika Veterinaria*, 11(1), 15-19.
- Salazar, J., Angarita, L., Morillo, V., Navarro, C., Martínez, M. S., Chacín, M., & Bermudez, V. (2020). Microbiota and diabetes mellitus: Role of lipid mediators. *Nutrients*, 12(10), 3039.
- Schwartz, S. S., Epstein, S., Corkey, B. E., Grant, S. F., Gavin III, J. R., & Aguilar, R. B. (2016). The time is right for a new classification system for diabetes: rationale and implications of the β -cell-centric classification schema. *Diabetes care*, 39(2), 179-186.
- Skyler, J. S., Bakris, G. L., Bonifacio, E., Darsow, T., Eckel, R. H., Groop, L., et al., (2017). Differentiation of diabetes by pathophysiology, natural history, and prognosis. *Diabetes*, 66(2), 241-255.
- Surono, I. S., Wardana, A. A., Waspodo, P., Saksono, B., Verhoeven, J., & Venema, K. (2020). Effect of functional food ingredients on gut microbiota in a rodent diabetes model. *Nutrition & Metabolism*, 17(1), 1-9.
- Syukur, S., & Purwati, E. (2013). *Biotehnologi probiotik untuk kesehatan masyarakat*. Yogyakarta : Andi.
- Toft-Nielsen, M.-B., Madsbad, S., & Holst, J. J. (2001). Determinants of the effectiveness of glucagon-like peptide-1 in type 2 diabetes. *The Journal of Clinical Endocrinology & Metabolism*, 86(8), 3853–3860.

Tjokroprawiro, A. (Ed.). (2015). *Buku ajar ilmu penyakit dalam*. Ed. 2: Fakultas Kedokteran Universitas Airlangga Rumah Sakit Pendidikan Dr. Soetomo Surabaya. Airlangga University.

Tonucci, L. B., Dos Santos, K. M. O., de Oliveira, L. L., Ribeiro, S. M. R., & Martino, H. S. D. (2017). Clinical application of probiotics in type 2 diabetes mellitus: A randomized, double-blind, placebo-controlled study. *Clinical nutrition*, 36(1), 85-92.

Usmiati, S. (2013). Pengembangan Dadih sebagai Pangan Fungsional Probiotik Asli Sumatera Barat. *Jurnal Penelitian dan Pengembangan Pertanian*, 32(1), 20-29.

Wang, Y., Wu, Y., Sailike, J., Sun, X., Abuduwaili, N., Tuoliuhan, H., ... & Nabi, X. H. (2020). Fourteen composite probiotics alleviate type 2 diabetes through modulating gut microbiota and modifying M1/M2 phenotype macrophage in db/db mice. *Pharmacological Research*, 161, 105150.

WHO. (2020). Classification of Diabetes Mellitus 2020.

Wirawati C. U., Sudarwanto MB, Lukman DW, Wientarsih I, Srihanto EA. Diversity of lactic acid bacteria in dadih produced by either back-slopping or spontaneous fermentation from two different regions of West Sumatra, Indonesia. *Vet World*. 2019;12(6):823-829.

Zeng, Z., Yuan, Q., Yu, R., Zhang, J., Ma, H., & Chen, S. (2019). Ameliorative effects of probiotic *Lactobacillus paracasei* NL41 on insulin sensitivity, oxidative stress, and beta-cell function in a type 2 diabetes mellitus rat model. *Molecular nutrition & food research*, 63(22), 1900457