

DAFTAR PUSTAKA

- Abdelaziz, S.H., Abdo, O.I. & Llatif, S.K.A., 2022. Association Between Nutritional Habits and Glycosylated Hemoglobin Level in Type 2 Diabetes Mellitus. *The Malaysian Journal of Nursing (MJN)*, 14(2), pp.7-13.
- Adelita, M., Arto, K.S. & Deliana, M., 2020. Kontrol metabolik pada diabetes melitus tipe-1. *Cermin Dunia Kedokteran*, 47(3), pp.227-232.
- Ahmed, S., Ripon, M.S.H., Islam, M.F., Ullah, A., Sultan, S., Sajid, M. & Rahman, T., 2024. Association of dietary intake and nutrition knowledge with diabetes self-management behavior among Bangladeshi type 2 diabetes melitus adults: A multi-center cross-sectional study. *Endocrine and Metabolic Science*, 14, p.100156.
- Al Amin, M., 2017. Klasifikasi kelompok umur manusia berdasarkan analisis dimensi fraktal box counting dari citra wajah dengan deteksi tepi canny. *MATHunesa: Jurnal Ilmiah Matematika*, 5(2).
- Alharbi, T.J., Tourkmani, A.M., Rashed, A.B., Al Abood, A.F. & Alotaibi, Y.K., 2021. Sociodemographic and clinical predictors of refractory type 2 diabetes patients: findings from a case-control study. *Saudi Medical Journal*, 42(2), p.181.
- Al-Mssallem, M.Q., Alarifi, S.N. & Al-Mssallem, N.I., 2024. The association between different types of dietary fat intake and blood lipids in Type 2 diabetes patients: sex differences. *Arab Gulf Journal of Scientific Research*, 42(3), pp.871-883.
- American Diabetes Association, 2023. *Diabetes Foot Complications* [Online]. Tersedia dalam: <<https://diabetes.org/diabetes/foot-complication>> [Diakses: 1 November 2024].

Amirah, A.D. & Andayanie, E., 2022. Hubungan Pola Makan Dengan Kejadian Diabetes Melitus Pada Masyarakat Usia Di Atas 40 Tahun Di Kabupaten Gowa. *Window of Public Health Journal*, 3(3), pp.502-515.

Anani, S., 2012. Hubungan antara perilaku pengendalian diabetes dan kadar glukosa darah pasien rawat jalan diabetes melitus (studi kasus di RSUD Arjawinangun Kabupaten Cirebon). *Jurnal Kesehatan Masyarakat Universitas Diponegoro*, 1(2), p.18753.

Apergi, K., Karatzi, K., Reppas, K., Mavrogianni, C., Shadid, S., De Miguel-Etayo, P., Bazdarska, Y., Radó, S., Rurik, I., Wikström, K. & Tankova, T., 2022. Association between daily number of eating occasions with fasting glucose and insulin sensitivity in adults from families at high risk for type 2 diabetes in Europe: the Feel4Diabetes Study. *Nutrition*, 95, p.111566.

Arifin, R., Fahdhienie, F., & Ariscasari, P., 2022. Analisis Minat Belajar Dan Aktivitas Belajar Di Masa Pandemi Covid-19 Terhadap Kualitas Belajar Daring Siswa SMP N 2 Trumon Timur Kabupaten Aceh Selatan Tahun 2021. *Jurnal Pusat Studi Pendidikan Rakyat*, 75-84.

AsDI & Persagi, 2019. *Penutun Diet dan Terapi Gizi*. Jakarta: Penerbit Buku Kedokteran EGC.

Asman, A., Sinthania, D. & Marni, L., 2021. Perawatan Diabetes Melitus di Komunitas. *Jurnal Kesehatan Medika Saintika*, 11(1), pp.125-132.

Augustin, L.S., Kendall, C.W., Jenkins, D.J., Willett, W.C., Astrup, A., Barclay, A.W., Björck, I., Brand-Miller, J.C., Brighenti, F., Buyken, A.E. & Ceriello, A., 2015. Glycemic index, glycemic load and glycemic response: an International Scientific

Consensus Summit from the International Carbohydrate Quality Consortium (ICQC). *Nutrition, Metabolism and cardiovascular diseases*, 25(9), pp.795-815.

Baedlawi, A., Hardika, R., & Hustra, T., 2023. Kepatuhan Pasien Diabetes Melitus dalam Menjalani Pengobatan: Determinan Faktor yang Berhubungan. *Journal of Pharmaceutical Science and Clinical Research* 4, 7–14.

Badan Kebijakan Pembangunan Kesehatan, 2023. *Survei Kesehatan Indonesia (SKI) 2023 dalam angka* [Online]. Tersedia dalam: <<https://www.badankebijakan.kemkes.go.id/ski-2023dalam-angka/>> [Diakses: 25 Mei 2025].

Badan Penelitian dan Pengembangan Kesehatan, 2020. *Laporan Provinsi Daerah Istimewa Yogyakarta Riskesdas 2018* [Online]. Jakarta: Kementerian Kesehatan Republik Indonesia. Tersedia dalam: <<https://repository.badankebijakan.kemkes.go.id/id/eprint/3880>> [Diakses: 21 Mei 2025].

Bakri, A. H., Bamahry, A., Pratama, A. A., Bima, I. H., & Yanti, A. K. E., 2023. Relationship between Age, Gender and Body Mass Index (BMI) with HbA1c Levels at Ibnu Sina Hospital Makassar. *Fakumi Medical Journal: Jurnal Mahasiswa Kedokteran*, 3(9), 677-684.

Barba, F.J., Saraiva, J.M., Cravotto, G. & Lorenzo, J.M. eds., 2019. *Innovative thermal and non-thermal processing, bioaccessibility and bioavailability of nutrients and bioactive compounds*. Woodhead Publishing.

Beraki, Å., Magnuson, A., Särnblad, S., Åman, J., & Samuelsson, U., 2014. Increase in physical activity is associated with lower HbA1c levels in children and adolescents with type 1 diabetes: results from a cross-sectional study based on the Swedish

pediatric diabetes quality registry (SWEDIABKIDS). *Diabetes research and clinical practice*, 105(1), 119-125.

Bin Arif, A., & Budiyanto, A., 2014. Nilai Indeks Glikemik Produk Pangan Dan Faktor-Faktor Yang Memengaruhinya. *Jurnal Penelitian dan Pengembangan Pertanian*, 32(3).

Bitew, Z. W., Alemu, A., Jember, D. A., Tadesse, E., Getaneh, F. B., Sied, A., & Weldeyannes, M., 2023. Prevalence of Glycemic Control and Factors Associated With Poor Glycemic Control: A Systematic Review and Meta-analysis. *Inquiry : a journal of medical care organization, provision and financing*, 60, 469580231155716.

Boushey, C., Ard, J., Bazzano, L., Heymsfield, S., Mayer-Davis, E., Sabaté, J., Sneltselaar, L., Van Horn, L., Schneeman, B., English, L. K., Bates, M., Callahan, E., Venkatramanan, S., Butera, G., Terry, N., & Obbagy, J., 2020. Dietary Patterns and All-Cause Mortality: A Systematic Review. *USDA Nutrition Evidence Systematic Review*.

Cahyaningrum, N., 2023. Hubungan Pola Makan 3J (Jumlah, Jenis, Jadwal) Dan Perilaku Sedentari Dengan Pengendalian Gula Darah Pasien DM Tipe 2 (Studi Kasus di Puskesmas Mulyoharjo). *Nutrizione*, 3 (1), 12-23.

Camarena-Hidalgo, M.S., Meaney, E. & Ortiz-Vilchis, P., 2023. Glycated hemoglobin fundamentals. Value and advantages in practical clinical. *Cardiovascular and metabolic science*, 34(3), pp.119-126.

Celli, A., Barnouin, Y., Jiang, B., Blevins, D., Colleluori, G., Mediwalla, S., Armamento-Villareal, R., Qualls, C. & Villareal, D.T., 2022. Lifestyle intervention strategy to

treat diabetes in older adults: a randomized controlled trial. *Diabetes care*, 45(9), pp.1943-1952.

Chen, W. J., & Lin, L. Y., 2025. The Impact of Diabetes Self-Care, Healthy Lifestyle, Social Support, and Demographic Variables on Outcomes HbA1c in Patients With Type 2 Diabetes. *Clinical Medicine Insights: Endocrinology and Diabetes*, 18, 11795514251331907

Churuangsuk, C., Lean, M. E., & Combet, E., 2020. Lower carbohydrate and higher fat intakes are associated with higher hemoglobin A1c: findings from the UK National Diet and Nutrition Survey 2008–2016. *European Journal of Nutrition*, 59, 2771-2782.

Cleland, C., Ferguson, S., Ellis, G., & Hunter, R. F., 2018. Validity of the International Physical Activity Questionnaire (IPAQ) for assessing moderate-to-vigorous physical activity and sedentary behaviour of older adults in the United Kingdom. *BMC medical research methodology*, 18, 1-12.

Clemente-Suárez, V.J., Mielgo-Ayuso, J., Martín-Rodríguez, A., Ramos-Campo, D.J., Redondo-Flórez, L. & Tornero-Aguilera, J.F., 2022. The Burden of Carbohydrates in Health and Disease. *Nutrients* 2022, 14, 3809 [online].

Cloix, L., Caille, A., Helmer, C., Bourdel-Marchasson, I., Fagot-Campagna, A., Fournier, C., Lecomte, P., Oppert, J.M. & Jacobi, D., 2015. Physical activity at home, at leisure, during transportation and at work in French adults with type 2 diabetes: the ENTRED physical activity study. *Diabetes & Metabolism*, 41(1), pp.37-44.

Craig, C.L., Marshall, A.L., Sjöström, M., Bauman, A.E., Booth, M.L., Ainsworth, B.E., Pratt, M., Ekelund, U.L.F., Yngve, A., Sallis, J.F. & Oja, P., 2003. International

physical activity questionnaire: 12-country reliability and validity. *Medicine and science in sports and exercise*, 35(8), pp.1381-1395.

Dahlan, M. Sopiudin, 2014. *Statistik untuk Kedokteran dan Kesehatan*. Jakarta: Epidemiologi Indonesia

Darmawan, S., 2019. Peran diet 3J pada pasien diabetes melitus di Puskesmas Sudiang Raya Makassar. *Nursing Inside Community*, 1(3), pp.91-95.

Dembah, W.B.M., 2019. Glycaemic Control among Type 2 Diabetes Mellitus Patient Attending the Out Patient's Clinic at Parirenyatwa Hospital in Zimbabwe. *Texila International Journal of Public Health*.

Deswita, Mia Cahyati., 2023. *Diabets Melitus Pada Anak dan Perawatannya*, 1st ed. Penerbit Adab, Indramayu.

Dharmansyah, D., & Budiana, D., 2021. Indonesian adaptation of the international physical activity questionnaire (IPAQ): Psychometric properties.

Dinas Kesehatan DIY, 2022. Dinas Kesehatan D.I Yogyakarta Tahun 2022 [Online]. Dinas Kesehatan Daerah Istimewa Yogyakarta tahun 2022. Tersedia dalam: <<http://www.dinkes.jogjapro.go.id/download/download/27>> [Diakses: 25 Mei 2025].

Dinas Kesehatan Kota Yogyakarta, 2023. Survei Simulasi, Persiapan Survei Akreditasi Puskesmas [Online]. Dinas Kesehatan Kota Yogyakarta, 27 Juni. Tersedia dalam: <<https://kesehatan.jogjakota.go.id/berita/id/475/survei-simulasi-persiapan-survei-akreditasi-puskesmas>> [Diakses: 25 Mei 2025].

Doglikuu, B.I.D., Abdulai, A., Yaseri, M., Shakibazadeh, E., Djazayery, A. & Mirzaei, K., 2021. Association of adherence to diabetics feeding recommendation with

glycaemic control and with malnutrition risk among normal weight persons with type 2 diabetes in Ghana. *The Malaysian Journal of Medical Sciences: MJMS*, 28(2), p.84.

Drummen, M., Adam, T.C., Macdonald, I.A., Jalo, E., Larssen, T.M., Martinez, J.A., Handjiev-Darlenska, T., Brand-Miller, J., Poppitt, S.D., Stratton, G. & Pietiläinen, K.H., 2021. Associations of changes in reported and estimated protein and energy intake with changes in insulin resistance, glycated hemoglobin, and BMI during the PREVIEW lifestyle intervention study. *The American journal of clinical nutrition*, 114(5), pp.1847-1858.

Ekasari, E. and Dhanny, D.R., 2022. Faktor Yang Mempengaruhi Kadar Glukosa Darah Penderita Diabetes Melitus Tipe 2 Usia 46-65 Tahun Di Kabupaten Wakatobi. *Journal of Nutrition College*, 11(2), pp.154-162.

Fahmi, F. A., & Suryanti, H. H. S., 2019. Pengaruh Layanan Informasi Dengan Media Film Terhadap Kewaspadaan Siswa Tentang Pelecehan Seksual Di Kelas V2i-C Smp N 1 Matesih Tahun Pelajaran 2018/2019. *MEDI KONS: Jurnal Prodi Bimbingan dan Konseling UNISRI Surakarta*, 5(2).

Fandinata, S.S., Darmawan, R., & Surabaya, A.F., 2020. Pengaruh Kepatuhan Minum Obat Oral Anti Diabetik Terhadap Kadar Gula Darah Pada Pasien Diabetes Melitus Tipe 2, *Jurnal Bidang Ilmu Kesehatan*.

Febriana, R., Widyatmoko, S., PD, S. & Lestari, N., 2014. *Hubungan Kepatuhan D2t dengan Kadar Gula Darah Sewaktu pada Pasien Diabetes Melitus Tipe 2 di Rawat Inap RSUD Sukoharjo* (Disertasi Doktoral, Universitas Muhammadiyah Surakarta).

Febryanti, S.K., Jafar, N. & Indriasari, R., 2014. *Studi validasi SQ-FFQ dan food recall asupan zat gizi pasien rawat jalan DM tipe 2 di wilayah kerja puskesmas Kota*

Makassar. Makassar: Universitas Hasanudin.RSUD Sukoharjo (Disertasi Doktoral, Universitas Muhammadiyah Surakarta).

Fitriana, S. N., Dahlan, S., & Widiastuti, R, 2015. Arah Pilihan Bidang Jabatan Berdasarkan Jenis Kelamin dan Prestasi Belajar Siswa. ALIBKIN. *Jurnal Bimbingan Konseling*, 4(1).

Flores-Hernández, M.N., Martínez-Coria, H., López-Valdés, H.E., Arteaga-Silva, M., Arrieta-Cruz, I. & Gutiérrez-Juárez, R., 2024. Efficacy of a High-Protein Diet to Lower Glycemic Levels in Type 2 Diabetes Mellitus: A Systematic Review. *International journal of molecular sciences*, 25(20), p.10959.

Gilbert, J.A., Blaser, M.J., Caporaso, J.G., Jansson, J.K., Lynch, S.V. & Knight, R., 2018. Current understanding of the human microbiome. *Nature medicine*, 24(4), pp.392-400.

Gómez-Ruiz, R. P., Cabello-Hernández, A. I., Gómez-Pérez, F. J., & Gómez-Sámano, M. Á., 2024. Meal frequency strategies for the management of type 2 diabetes subjects: A systematic review. *Plos one*, 19(2), e0298531.

Haghighatpanah, M., Nejad, A.S.M., Haghighatpanah, M., Thunga, G. and Mallayasamy, S., 2018. Factors that correlate with poor glycemic control in type 2 diabetes mellitus patients with complications. *Osong public health and research perspectives*, 9(4), p.167.

Handayani, N., Jamil, M.D. & Palupi, I.R., (2020). Faktor Gizi dan Prestasi Belajar Siswa Sekolah Menengah Kejuruan. Ghidza: *Jurnal Gizi dan Kesehatan*, 4(1), pp.69-78.

Hara, K., Hirase, T., Pathadka, S., Cai, Z., Sato, M., Ishida, N., & Takemura, R., 2024.

Trends of HbA1c and BMI in People with Type 2 Diabetes: A Japanese Claims-Based Study. *Diabetes Therapy*, 15(4), 801-817.

Harding, A. H., Sargeant, L. A., Welch, A., Oakes, S., Luben, R. N., Bingham, S., & Wareham, N. J., 2001. Fat consumption and HbA1c levels: the EPIC-Norfolk study. *Diabetes care*, 24(11), 1911-1916.

Harna, H., Efriyanurika, L., Novianti, A., Sa'pang, M. & Irawan, A.M.A., 2022. Status Gizi, Asupan Zat Gizi Makro dan Kaitannya dengan Kadar HbA1c Pada Pasien Diabetes Melitus Tipe 2. *Poltekita: Jurnal Ilmu Kesehatan*, 15(4), pp.365-372.

Hastuti, J., 2013. *Anthropometry and body composition of Indonesian adults: an evaluation of body image, eating behaviours, and physical activity* (Doctoral dissertation, Queensland University of Technology).

Hastuti, P., Subardjo, Y. P., & Rahmah, H. A., 2020. Hubungan Pola Konsumsi Karbohidrat Sederhana dan Kompleks dengan Kadar HbA1c Pada Penderita Diabetes Melitus Tipe 2. *Jurnal Gizi dan Pangan Soedirman*, 4(1), 40-54.

Hastono, Sutanto Priyo., 2008. *Analisis Data Kesehatan*. Depok: FKM UI

Hijriyati, Y., Wulandari, N.A., & Sutandi, A., 2023. Analisis Deskriptif: Usia dan Tingkat Kepatuhan Minum Obat Pasien Diabetes Melitus Tipe 2. *Binawan Student Journal* 3, 1–5.

Hou, X., Liu, J., Song, J., Wang, C., Liang, K., Sun, Y., & Chen, L. (2016). Relationship of hemoglobin A1c with β cell function and insulin resistance in newly diagnosed and drug naive type 2 diabetes patients. *Journal of diabetes research*, 2016(1), 8797316.

Imamura, F., Micha, R., Wu, J.H., de Oliveira Otto, M.C., Otite, F.O., Abioye, A.I. & Mozaffarian, D., 2016. Effects of saturated fat, polyunsaturated fat, monounsaturated fat, and carbohydrate on glucose-insulin homeostasis: a systematic review and meta-analysis of randomised controlled feeding trials. *PLoS medicine*, 13(7), p.e1002087.

International Diabetes Federation (IDF), 2023. *International Diabetic Federation Diabetic Atlas 10th edition*. IDF.

Irmayanti, I., Farmawati, A., & Purba, M. B., 2019. distribusi dan faktor-faktor yang berhubungan dengan kadar hemoglobin a1c (hba1c) pada subjek dewasa indonesia. *Gizi Indonesia*, 42(1), 43-52.

Islam, M.F., Linkon, K.M.M., Shyfullah, M., Hassan, M., Aoual, M.E. & Alam, M.J., 2021. Association of Dietary Patterns with Glycated Hemoglobin (HbA1c) among Type 2 Diabetes Patients: A Cross-sectional Study. *Current Nutrition & Food Science*, 17(7), pp.716-726.

Joob, B., & Wiwanitkit, V., 2018. Very low HbA1C, is it a problem. *Iranian journal of pathology*, 13(3), 379.

Kaner, G., Ayer, C., Yalcin, T. & Bakir, B., 2023. Associations of dietary fructose and sucrose intake with HbA1c and anthropometric measurements in patients with type 2 diabetes mellitus. *Galacian Medical Journal*. Vol. 3 Issues 3.

Kara, G. M. A., Subawa, A. A. N., Dewi, P. P. A. P., & Santhi, D. G. D. D., 2024. Karakteristik hasil pemeriksaan hemoglobin a1c (Hba1c) dan indeks massa tubuh (IMT) pada pasien diabetes melitus tipe 2 di RSUP Prof. Dr. IGNG Ngoerah. *Intisari Sains Medis*, 15(2), 547-551.

Karyati, S, 2016. Usia menopause dan Kejadian Diabetes melitus. *Jurnal Ilmu Keperawatan dan Kebidanan*, 7(2).

Kautzky-Willer, A., Kosi, L., Lin, J. & Mihaljevic, R., 2015. Gender-based differences in glycaemic control and hypoglycaemia prevalence in patients with type 2 diabetes: results from patient-level pooled data of six randomized controlled trials. *Diabetes, obesity and metabolism*, 17(6), pp.533-540.

Kebede, S.A., Siraj, S.M., Gemed, N.D., Abebaw, B., Abdu, A.O., Mulugeta, Y., Sasiga, T.M. & Muse, Y.G., 2023. Dietary Pattern and Associated Factors Among Type 2 Diabetes Melitus Patients in Felege Hiwot Comprehensive Specialized Hospital Bahir Dar, Ethiopia, 2022. *Biomedical Journal of Scientific dan Technical Research*, 49(2), pp.40477-40489.

Kementerian Kesehatan, 2017. *Pedoman dan Standar Etik Penelitian dan Pengembangan Kesehatan Nasional* [Online]. Kementerian Kesehatan RI, 1–158. Tersedia dalam: <<http://www.depkes.go.id/article/view/17070700004/program-indonesia-sehatdengan-pendekatan-keluarga.html>> [Diakses: 10 November 2024].

Kementerian Kesehatan, n.d. *Kategori Usia* [Online]. Ayo Sehat. Tersedia dalam: <<https://ayosehat.kemkes.go.id/kategori-usia>> [Diakses: 4 Juni 2025].

Kurnia, A.D. & Elya, I.B.A., 2023. Factors Related to Diet Adherence in Diabetes Melitus Patients: A Scoping Review. *KnE Medicine*, pp.42-52.

Kurnia, A.D., Masruroh, N.L., Melizza, N., Prasetyo, Y.B. & Hidayani, H.N., 2022. Factors associated with dietary behaviour among patients With Type 2 Diabetes Melitus in rural Indonesia. *Journal of the ASEAN Federation of Endocrine Societies*, 37(2), p.60.

- Kuwanti, E., Budiharto, I. & Fradianto, I., 2023. Hubungan Pola Makan dengan Kadar Gula Darah Penderita Diabetes Melitus Tipe 2: Literature Review. *MAHESA: Malahayati Health Student Journal*, 3(6), pp.1736-1750.
- Lee, P. G., & Halter, J. B., 2017. The pathophysiology of hyperglycemia in older adults: clinical considerations. *Diabetes care*, 40(4), 444-452.
- Lede, M.J., Hariyanto, T. and Ardiyani, V.M., 2018. Pengaruh kadar gula darah terhadap penyembuhan luka diabetes melitus di puskesmas dinoyo malang. *Nursing News: Jurnal Ilmiah Keperawatan*, 3(1).
- Leiva, T., Basfi-Fer, K., Rojas, P., Carrasco, F., & Ruz O, M., 2016. Efecto del fraccionamiento de la dieta y cantidad de hidratos de carbono en el control metabólico en pacientes con diabetes melitus tipo 2, sin terapia con insulina [Effect of meal frequency and carbohydrate intake on the metabolic control of patients with type 2 diabetes mellitus. *Revista medica de Chile*, 144(10), 1247-1253. <https://doi.org/10.4067/S0034-98872016001000002>
- Lenaini, I., 2021. Teknik pengambilan sampel purposive dan snowball sampling. *Historis: Jurnal Kajian, Penelitian dan Pengembangan Pendidikan Sejarah*, 6(1), pp.33-39.
- Lestari, L. & Zulkarnain, Z., 2021. Diabetes Melitus: Review etiologi, patofisiologi, gejala, penyebab, cara pemeriksaan, cara pengobatan dan cara pencegahan. In *Prosiding Seminar Nasional Biologi* (Vol. 7, No. 1, pp. 237-241).
- Liu, W., Luo, Z., Zhou, J. & Sun, B., 2022. Gut microbiota and antidiabetic drugs: perspectives of personalized treatment in type 2 diabetes mellitus. *Frontiers in Cellular and Infection Microbiology*, 12, p.853771.

Magdalena, C., 2016. *Hubungan Penerapan 3J (Jumlah, Jenis, Dan Jadwal) Dan Aktivitas Fisik Terhadap Status Kadar Gula Darah Pada Penderita Diabetes Melitus Tipe 2 Di Posbindu Wilayah Kerja Puskesmas Ciputat Tahun 2016* (Skripsi, Universitas Islam Negri Jakarta).

Maino Vieytes, C. A., Taha, H. M., Burton-Obanla, A. A., Douglas, K. G., & Arthur, A. E., 2019. Carbohydrate nutrition and the risk of cancer. *Current nutrition reports*, 8, 230-239.

Marpaung, V. and Aji, Y.G.T., 2022. Gambaran Pola Makan Pada Pasien Diabetes Mellitus Di Puskesmas Cempaka Putih Jakarta. *Jurnal Kesehatan Mahardika*, 9(2), pp.67-71.

Maria, I., 2021. *Asuhan Keperawatan Diabetes Melitus dan Asuhan Keperawatan Stroke*. Yogyakarta: Penerbit Deepublish.

Martins, A.R., Nachbar, R.T., Gorjao, R., Vinolo, M.A., Festuccia, W.T., Lambertucci, R.H., Cury-Boaventura, M.F., Silveira, L.R., Curi, R. & Hirabara, S.M., 2012. Mechanisms underlying skeletal muscle insulin resistance induced by fatty acids: importance of the mitochondrial function. *Lipids in health and disease*, 11, pp.1-11.

Mayawati, H., & Isnaeni, F. N., 2017. Hubungan Asupan Makanan Indeks Glikemik Tinggi dan Aktivitas Fisik dengan Kadar Glukosa Darah pada Pasien Diabetes Melitus Tipe 2 Rawat Jalan di RSUD Karanganyar. *Jurnal Kesehatan*, 10(1), 75-83.

Meneses, M.J., Sousa-Lima, I., Jarak, I., Raposo, J.F., Alves, M.G. & Macedo, M.P., 2022. Distinct impacts of fat and fructose on the liver, muscle, and adipose tissue metabolome: An integrated view. *Frontiers in Endocrinology*, 13, p.898471.

Mudiarta, K. T. N, 2024. Hubungan Antara Kadar HbA1c Dengan Komplikasi Makrovaskular Pada Pasien Diabetes Melitus Tipe 2. *Surabaya Biomedical Journal*, 3(3), 202-210.

Møller, G., Sluik, D., Ritz, C., Mikkilä, V., Raitakari, O.T., Hutri-Kähönen, N., Dragsted, L.O., Larsen, T.M., Poppitt, S.D., Silvestre, M.P. & Feskens, E.J., 2017. A protein diet score, including plant and animal protein, investigating the association with HbA1c and eGFR—the PREVIEW Project. *Nutrients*, 9(7), p.763.

Mottalib, A., Salsberg, V., Mohd-Yusof, B.N., Mohamed, W., Carolan, P., Poher, D.M., Mitri, J. & Hamdy, O., 2018. Effects of nutrition therapy on HbA1c and cardiovascular disease risk factors in overweight and obese patients with type 2 diabetes. *Nutrition journal*, 17, pp.1-10.

Nugraha, B.A. & Sulastini, S., 2022. Gambaran Pola Makan pada Pasien Diabetes Mellitus Tipe 2 di RSUD dr. Slamet Garut. *Jurnal Medika Cendikia*, 9(1), pp.68-74.

Nursihhah, M., 2021. Hubungan Kepatuhan Diet terhadap Pengendalian Kadar Gula Darah pada Pasien Diabetes Melitus Tipe 2, *Jurnal Medika Utama*, pp. 1002–1010.

Notoadmodjo, 2018. *Metodologi Penelitian Kesehatan*. Jakarta: Rineka Cipta.

Pakha, D.N. & Putra, S.E., 2020. *Diabetes Melitus. Buku Saku Diabetes Melitus Untuk Awam*, p.15.

Palmnäs-Bédard, M.S., Costabile, G., Vetrani, C., Åberg, S., Hjalmarsson, Y., Dicksved, J., Riccardi, G. & Landberg, R., 2022. The human gut microbiota and glucose metabolism: a scoping review of key bacteria and the potential role of SCFAs. *The American Journal of Clinical Nutrition*, 116(4), pp.862-874.

Panjaitan, R. S., Purwati, P., Rabima, R., Dinli, D. Y., Lestari, S. U., Handayani, D., ...

& Regina, R., 2022. Sosialisasi Manfaat Asupan Karbohidrat Kompleks Pada Pasien Diabetes Melitus Tipe-2. *Jurnal Abdimas Sang Buana*, 3(2), 84-90.

Par'i, H., Wiyono, S. & Priyo, H.T., 2017. *Penilaian Status Gizi*. Jakarta: Kementerian Kesehatan Republik Indonesia.

Perkumpulan Endrokologi Indonesia, 2021. *Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Dewasa Di Indonesia*.

Piggin, J., 2020. What is physical activity? A holistic definition for teachers, researchers and policy makers. *Frontiers in sports and active living*, 2, 72.

Pradono, J., Hapsari, D. & Soemantri, S., 2003. Faktor berisiko yang mempengaruhi penyakit tidak menular di Jawa dan Bali. *Indonesian Bulletin of Health Research*, 31(3), p.66027.

Prajapati, R., Mohapatra, J., Sharma, M., Jha, A., Patro, R., Dhar, S., Chondhekar, P., Purohit, P., Chatterjee, A. & Raghavan, G., 2023. Absorption Kinetics of Monosaccharides, Disaccharides and its combination with its impact on glucose availability. *Glob J Biol Agric Health Sci*, 12, p.172.

Puskesmas Gondokusuman I, n.d. Gambaran Umum [Online]. Pemerintah Kota Yogyakarta. Tersedia dalam:

<https://gondokusuman1pusk.jogjakota.go.id/page/index/gambaran-umum>

[Diakses: 20 April 2025].

Puskesmas Mantrijeron, n.d. Gambaran Umum [Online]. Pemerintah Kota Yogyakarta.

Tersedia dalam: <https://mantrijeronpusk.jogjakota.go.id/page/index/gambaran-umum> [Diakses: 20 April 2025].

Puskesmas Tegaltrejo, n.d. Gambaran Umum [Online]. Pemerintah Kota Yogyakarta.

Tersedia dalam: <https://tegaltrejopusk.iogjakota.go.id/page/index/gambaran-umum>

[Diakses: 20 April 2025].

Putri, M.P., Dary, D. & Mangalik, G., 2022. Asupan protein, ZAT besi dan status gizi pada remaja PUTRI. *Journal of Nutrition College*, 11(1), pp.6-17.

Putro, P.J.S. & Suprihatin, P., 2012. Pola d2t tepat jumlah, jadwal, dan jenis terhadap kadar gula darah pasien diabetes melitus tipe 2. *Jurnal Stikes*, 5(1).

Rachmah, Q., Kriengsinyos, W., Rojroongwasinkul, N. & Pongcharoen, T., 2021. Development and validity of semi-quantitative food frequency questionnaire as a new research tool for sugar intake assessment among Indonesian adolescents. *Heliyon*, 7(6).

Radwan, M., Elsous, A., Al-Sharif, H. and Abu Mustafa, A., 2018. Glycemic control among primary care patients with type 2 diabetes mellitus in the Gaza Strip, Palestine. *Therapeutic advances in endocrinology and metabolism*, 9(1), pp.3-14.

Rahman, F., Fauzi, H., Azhar, T. N., Atmadja, R. D., & Ayudina, N., 2017. Analisa Metode Pengukuran Berat Badan Manusia Dengan Pengolahan Citra. *Teknik*, 38(1), 35-39.

Rahmasari, I. & Wahyuni, E.S., 2019. Efektivitas Memordoca carantia (pare) terhadap penurunan kadar glukosa darah . *Jurnal Ilmiah Rekam Medis dan Informatika Kesehatan*, 9(1), pp.57-64.

Rani, C.C. & Mulyani, N.S., 2021. Faktor-faktor yang berhubungan dengan kejadian diabetes melitus tipe-2 pada pasien rawat jalan. *Jurnal SAGO Gizi Dan Kesehatan*, 2(2), pp.122-128.

Rasdianah, N., Martodiharjo, S., Andayani, T.M., & Hakim, L., 2016. The Description of Medication Adherence for Patients of Diabetes Melitus Type 2 in Public Health Center Yogyakarta. *Indonesian Journal of Clinical Pharmacy* 5, 249–257.

Ridlo, M., Khasanah, J. F., & Putri, G. K., 2021. Gambaran Pola Diet Jumlah, Jadwal, Dan Jenis (3j) Pada Pasien Dengan Diabetes Melitus Tipe 2. *Indonesian Journal of Nursing Scientific*, 1(1), 18-27.

Santika, I. G. P. N. A., 2015. Hubungan Indeks Massa Tubuh (IMT) dan umur terhadap daya tahan umum (kardiovaskuler) mahasiswa putra semester 2 Kelas A Fakultas Pendidikan Olahraga dan Kesehatan IKIP PGRI Bali tahun 2014. *Jurnal pendidikan kesehatan rekreasi*, 1(1), 42-47.

Sarda, F.A.H., Giuntini, E.B., Nazare, J.A., Koenig, D., Bahia, L.R., Lajolo, F.M. & Menezes, E.W.D., 2018. Effectiveness of carbohydrates as a functional ingredient in glycemic control. *Food Science and Technology*, 38(4), pp.561-576.

Sartika, F. & Hestiani, N., 2019. Kadar HbA1c pada Pasien Wanita Penderita Diabetes Melitus Tipe 2 di RSUD Dr. Doris Sylvanus Palangka Raya: HbA1c Levels in Patients Female with Type 2 Diabetes Melitus in RSUD Dr. Doris Sylvanus Palangka Raya. *Borneo Journal Of Medical Laboratory Technology*, 2(1), pp.97-100.

Sartiwi, W. & Yusuf, R.N., 2019. Efektivitas Pemeriksaan Kadar Gula Darah Dengan Hasil Visus Pasien Pasca Operasi Katarak Diabetikum di RSUD Sawahlunto Effectivities Blood Glucose With Visual Acuity Patients After Cataract Diabeticum Surgery In Sawahlunto Hospital. *Jurnal Kesehatan Saintika Meditory*, 2(1), pp.53-61.

Sasombo, A., Katuuk, M.E. & Bidjuni, H., 2021. Hubungan Self Care dengan Komplikasi Diabetes Melitus pada Pasien dengan Diabetes Melitus Tipe 2 di Husada Sario Manado. *Jurnal Keperawatan*, 9(2), pp.54-62.

Sebastiao, E., Gobbi, S., Chodzko-Zajko, W., Schwingel, A., Papini, C. B., Nakamura, P. M., ... & Kokubun, E., 2012. The International Physical Activity Questionnaire-long form overestimates self-reported physical activity of Brazilian adults. *Public health*, 126(11), 967-975.

Setiawan, M.H., Komarudin, R. & Kholifah, D.N., 2022. Pengaruh Kepercayaan, Tampilan Dan Promosi Terhadap Keputusan Pemilihan Aplikasi Marketplace. *Jurnal Infortech*, 4(2), pp.139-147.

Shabrina, K. N., Mulyani, S., & Perdana, M, 2019. Pengaruh Pendidikan Kesehatan Audiovisual terhadap Konsumsi Natrium pada Populasi dengan Risiko Tinggi Sindrom Metabolik di Puskesmas Turi. *Jurnal Keperawatan Klinis dan Komunitas. Clinical and Community Nursing Journal*, 3(2), 69-78.

Singh, B., Koneru, Y. C., Zimmerman, H., Kanagala, S. G., Milne, I., Sethi, A., & Jain, R, 2023. A step in the right direction: exploring the effects of aerobic exercise on HbA1c reduction. *The Egyptian Journal of Internal Medicine*, 35(1), 58.

Sirajuddin, Surmita, & Asututi, T, 2018. *Survei Konsumsi Pangan*. Pusat Pendidikan Sumber Daya Manusia Kesehatan Badan Pengembangan dan Pemberdayaan Sumber Daya Manusia Kesehatan Kementerian Kesehatan RI: Jakarta.

Suastika, K., 2021. Clinical Use and Limitation of Hemoglobin A1c Examination. *Clinical Diabetology*, 10(3), pp.299-306.

Sugiyono, S., 2010. *Metode Penelitian Kuantitatif dan Kualitatif dan R dan D*. Bandung:

Alfabeta.

Suhaema, S., Sulendri, N. K. S. S., & Septiana, T., 2018. Gambaran riwayat pola makan

dan status gizi pasien diabetes melitus tipe 2 rawat jalan peserta jaminan

kesehatan masyarakat (jamkesmas) di rumah sakit umum daerah kota Mataram.

Jurnal Kesehatan Prima, 9(1), 1444-1456.

Sumakul, V., Suparlan, M., Toreh, P., & Karouw, B., 2022. Edukasi Diabetes Melitus

Dan Pemeriksaan Kadar Glukosa Darah Umat Paroki St. Antonius Padua

Tataan. *Jurnal Pengabdian kepada Masyarakat MAPALUS 1*, 18–25.

Tan, S.L., Juliana, S. & Sakinah, H., 2011. Dietary compliance and its association with

glycemic control among poorly controlled type 2 diabetic outpatients in Hospital

Universiti Sains Malaysia. *Malaysian journal of nutrition*, 17(3).

Thomas, D., & Elliott, E. J., 2009. Low glycaemic index, or low glycaemic load, diets for

diabetes melitus. *Cochrane database of systematic reviews*, (1).

Tjokropawiro, Askandar, 2006. *Hidup Sehat Dan Bahagia Bersama Diabetes Mellitus*.

Jakarta: Gramedia Pustaka Utama

Usnaini, L., Winangun, Musyarrafah, & Wanadiatri, H., 2019. *Hubungan Kepatuhan*

Konsumsi Obat Antidiabetik Terhadap Kadar HbA1c Pada Pasien DM Tipe 2

Rumah Sakit Umum Daerah Provinsi Nusa Tenggara Barat 2019 [Online]. Fakultas

Kedokteran Universitas Islam Al-Azhar. Tersedia dalam: <[https://e-](https://e-journal.unizar.ac.id/index.php/kedokteran/article/view/224/181)

[journal.unizar.ac.id/index.php/kedokteran/article/view/224/181](https://e-journal.unizar.ac.id/index.php/kedokteran/article/view/224/181)> [Diakses: 1

November 2024].

- Unnisa, A., Bahmed, F., Khatoon, F., Arifuddin, M.S. & Uzma, N., 2023. Effect of physical activity on glycated hemoglobin [HbA1c] in non-diabetic individuals. *Journal of Dr. YSR University of Health Sciences*, 12(3), pp.285-290.
- Utomo, M. R., Wungouw, H., & Marunduh, S, 2015. Kadar Hba1C Pada Pasien Diabetes Melitus Tipe 2 Di Puskesmas Bahu Kecamatan Malalayang Kota Manado. *eBiomedik*, 3(1).
- Wang, Q., Xia, W., Zhao, Z., & Zhang, H, 2015. Effects comparison between low glycemic index diets and high glycemic index diets on HbA1c and fructosamine for patients with diabetes: A systematic review and meta-analysis. *Primary care diabetes*, 9(5), 362-369.
- Wahyuni, Y., 2021. Improving The Quality Of Life of Patients With Diabetes Melitus Type 2 With Treatment Adherence. *Media Keperawatan Indonesia*, 4(3), p.244.
- Wardatu, A., Kurniati, A.M., Rasyid, R.S.P., Husin, S. & Oswari, L.D., 2019. Hubungan Tingkat Pengetahuan tentang Makronutrien dengan Kecukupan dan Keseimbangan Asupan Makronutrien Pasien Diabetes Melitus Tipe 2. *Sriwijaya Journal of Medicine*, 2(2), pp.94-98.
- Waspadji, S, 2007. *Diabetes melitus, penyulit kronik dan pencegahannya dalam penatalaksanaan diabetes melitus terpadu: Sebagai panduan penatalaksanaan diabetes melitus bagi dokter maupun edukator* (Cetakan ke-6). Jakarta: Balai Penerbit FKUI.
- White, M.G., Shaw, J.A. & Taylor, R., 2016. Type 2 diabetes: the pathologic basis of reversible β -cell dysfunction. *Diabetes care*, 39(11), pp.2080-2088.

Widyakarya Nasional Pangan Gizi, 2004. *Pemantapan Ketahanan Pangan dan Perbaikan Gizi Berbasis Kemandirian dan Kearifan Lokal*. Jakarta : Lembaga Ilmu Pengetahuan Indonesia (LIPI).

Widyasari, R., Fitri, Y., & Putri, C. A, 2022. Hubungan Asupan Karbohidrat Dan Lemak Dengan Kadar Gula Darah Pasien Diabetes Melitus Di Wilayah Kerja Puskesmas Ulee Kareng Banda Aceh. *Journal of Healthcare Technology and Medicine*, 8(2), 1686-1695.

World Health Organization, 2000. The Asia-Pacific perspective: redefining obesity and its treatment. *Health Communications Australia*.

Wyk, H.V. & Daniels, M., 2016. The use of very low-calorie diets in the management of type 2 diabetes mellitus. *South African Journal of Clinical Nutrition*, 29(2), pp.96–102.

Yang, Y. C., Lu, F. H., Wu, J. S., & Chang, C. J, 1997. Age and sex effects on HbA1c: a study in a healthy Chinese population. *Diabetes care*, 20(6), 988-991.

Yuniati, R., Pradigdo, S.F. & Rahfiludin, M.Z., 2017. Hubungan konsumsi karbohidrat, lemak dan serat dengan kadar glukosa darah pada lanjut usia Wanita. *Jurnal Kesehatan Masyarakat*, 5(4), pp.759-767.

Zakiah, F.F., Indrawati, V., Sulandjari, S. & Pratama, S.A., 2023. Asupan karbohidrat, serat, dan vitamin D dengan kadar glukosa darah pada pasien rawat inap diabetes mellitus. *Jurnal Gizi Klinik Indonesia*, 20(1), pp.21-28.