

DAFTAR PUSTAKA

- Adi, S. (2019). Pengelolaan Dan Pencegahan Diabetes Melitus Tipe 2 Dewasa di Indonesia. *PB Perkeni*, 133.
- Adnan, E., Rahman, I. A., & Faridin, H. P. (2019). Relationship between insulin resistance, metabolic syndrome components and serum uric acid. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews*, 13(3), 2158–2162. <https://doi.org/10.1016/j.dsx.2019.04.001>
- Ahn, C. W., Shin, S., Lee, S., Park, H. S., Hong, N., & Rhee, Y. (2022). Association of Shift Work with Normal-Weight Obesity in Community-Dwelling Adults. *Endocrinology and Metabolism*, 37(5), 781–790. <https://doi.org/10.3803/EnM.2022.1532>
- Aizuddin, A. N., Chan, C. M., Anwar, A. R., Ong, Y. X., & Chin, K. Y. (2021). Performance of body mass index in identifying obesity defined by body fat percentage and hypertension among malaysian population: A retrospective study. *International Journal of General Medicine*, 14, 3251–3257. <https://doi.org/10.2147/IJGM.S316360>
- Aljak, S. A., Ali, I. A., & Musa, O. A. (2019). Reference Value for Uric Acid in Sudanese Healthy Adults. *Journal of Biochemistry*, 2(2), 25–30. <https://doi.org/10.21276/sijb.2019.2.2.3>
- Andarbeni, L., & Probosari, E. (2019). Perbedaan Kadar Asam Urat Pada Wanita Lansia Dengan Persen Lemak Tubuh Obesitas Dan Non-Obesitas. *Journal of Nutrition College*, 8(4), 231–237. <https://doi.org/10.14710/jnc.v8i4.25836>
- Ashtary-Larky, D., Niknam, S., Alipour, M., Bagheri, R., Asbaghi, O., Mohammadian, M., et al. (2023). Are Women with Normal-Weight Obesity at Higher Risk for Cardiometabolic Disorders? *Biomedicines*, 11(2), 1–13. <https://doi.org/10.3390/biomedicines11020341>
- Badan Penelitian dan Pengembangan Kesehatan (Balitbangkes). (2008). *Riset Kesehatan Dasar*.
- Bae, J. H., Kim, L. K., Min, S. H., Ahn, C. H., & Cho, Y. M. (2018). Postprandial glucose-lowering effect of premeal consumption of protein-enriched, dietary fiber-fortified bar in individuals with type 2 diabetes mellitus or normal glucose tolerance. *Journal of Diabetes Investigation*, 9(5), 1110–1118. <https://doi.org/10.1111/jdi.12831>
- Bellissimo, M. P., Bettermann, E. L., Tran, P. H., Crain, B. H., Ferranti, E. P., Binongo, J. N., et al. (2020). Physical Fitness but Not Diet Quality Distinguishes Lean and Normal Weight Obese Adults. *Journal of the Academy of Nutrition and Dietetics*, 120(12), 1963-1973.e2.

<https://doi.org/10.1016/j.jand.2020.07.020>

- Bellissimo, M. P., Cai, Q., Ziegler, T. R., Liu, K. H., Tran, P. H., Vos, M. B., *et al.* (2019). Plasma High-Resolution Metabolomics Differentiates Adults with Normal Weight Obesity from Lean Individuals. *HHS Public Access*, 176(3), 139–148. <https://doi.org/10.1053/j.gastro.2016.08.014.CagY>
- Correa-Rodríguez, M., González-Ruiz, K., Rincón-Pabón, D., Izquierdo, M., García-Hermoso, A., Agostinis-Sobrinho, C., *et al.* (2020). Normal-Weight Obesity Is Associated with Increased Cardiometabolic Risk in Young Adults. *Nutrients*, 12(4), 1106. <https://doi.org/10.3390/nu12041106>
- De Lorenzo, A., Martinoli, R., Vaia, F., & Di Renzo, L. (2006). Normal weight obese (NWO) women: An evaluation of a candidate new syndrome. *Nutrition, Metabolism and Cardiovascular Diseases*, 16(8), 513–523. <https://doi.org/10.1016/j.numecd.2005.10.010>
- De Lorenzo, A., Soldati, L., Sarlo, F., Calvani, M., Di Lorenzo, N., & Di Renzo, L. (2016). New obesity classification criteria as a tool for bariatric surgery indication. *World Journal of Gastroenterology*, 22(2), 681–703. <https://doi.org/10.3748/wjg.v22.i2.681>
- Dinas Kesehatan Kota Padang. (2022). *Profil Kesehatan Kota Padang Tahun 2022*.
- Franco, L. P., Morais, C. C., & Cominetti, C. (2016). *Normal-weight obesity syndrome : diagnosis , prevalence , and clinical implications*. 74(9), 558–570. <https://doi.org/10.1093/nutrit/nuw019>
- Gherghina, M. E., Peride, I., Tiglis, M., Neagu, T. P., Niculae, A., & Checherita, I. A. (2022). Uric Acid and Oxidative Stress—Relationship with Cardiovascular, Metabolic, and Renal Impairment. *International Journal of Molecular Sciences*, 23(6). <https://doi.org/10.3390/ijms23063188>
- Haque, T., Rahman, S., Islam, S., Molla, N. H., & Ali, N. (2019). Assessment of the relationship between serum uric acid and glucose levels in healthy, prediabetic and diabetic individuals. *Diabetology and Metabolic Syndrome*, 11(1), 1–8. <https://doi.org/10.1186/s13098-019-0446-6>
- Jia, A., Xu, S., Xing, Y., Zhang, W., Yu, X., Zhao, Y., *et al.* (2018). Prevalence and cardiometabolic risks of normal weight obesity in Chinese population: A nationwide study. *Nutrition, Metabolism and Cardiovascular Diseases*, 28(10), 1045–1053. <https://doi.org/10.1016/j.numecd.2018.06.015>
- Jin, X., Qiu, T., Li, L., Yu, R., Chen, X., Li, C., *et al.* (2023). Pathophysiology of obesity and its associated diseases. *Acta Pharmaceutica Sinica B*, xxx, 1–22. <https://doi.org/10.1016/j.apsb.2023.01.012>
- Kapoor, N., Lotfaliany, M., Sathish, T., Thankappan, K. R., Thomas, N., Furler, J.,

- et al.* (2020). Prevalence of normal weight obesity and its associated cardio-metabolic risk factors – Results from the baseline data of the Kerala Diabetes Prevention Program (KDPP). *PLoS ONE*, 15(8 August), 1–11. <https://doi.org/10.1371/journal.pone.0237974>
- Karri, S., Sharma, S., Hatware, K., & Patil, K. (2019). Natural anti-obesity agents and their therapeutic role in management of obesity: A future trend perspective. *Biomedicine & Pharmacotherapy*, 110(July 2018), 224–238. <https://doi.org/10.1016/j.biopha.2018.11.076>
- Kemenkes RI. (2018). Hasil Riset Kesehatan Dasar Tahun 2018. *Kementerian Kesehatan RI*, 53(9), 1689–1699.
- Khan, R., Chua, Z., Tan, J., Yang, Y., Liao, Z., & Zhao, Y. (2019). From Pre-Diabetes to Diabetes: Diagnosis, Treatments and Translational Research. *Medicina*, 55(9), 546. <https://doi.org/10.3390/medicina55090546>
- Khan, R. M. M., Chua, Z. J. Y., Tan, J. C., Yang, Y., Liao, Z., & Zhao, Y. (2019). From pre-diabetes to diab. *Medicina (Lithuania)*, 55(9), 1–30.
- Kim, B. M., Lee, B. E., Park, H. S., Kim, Y. J., Suh, Y. J., Kim, J. youn, *et al.* (2016). Long working hours and overweight and obesity in working adults. *Annals of Occupational and Environmental Medicine*, 28(1), 1–9. <https://doi.org/10.1186/s40557-016-0110-7>
- Kim, S., Kyung, C., Park, J. S., Lee, S. P., Kim, H. K., Ahn, C. W., *et al.* (2015). Normal-weight obesity is associated with increased risk of subclinical atherosclerosis. *Cardiovascular Diabetology*, 14(1), 1–9. <https://doi.org/10.1186/s12933-015-0220-5>
- Kimura, Y., Tsukui, D., & Kono, H. (2021). Uric acid in inflammation and the pathogenesis of atherosclerosis. *International Journal of Molecular Sciences*, 22(22). <https://doi.org/10.3390/ijms222212394>
- Lahav, Y., Kfir, A., & Gepner, Y. (2023). The paradox of obesity with normal weight; a cross-sectional study. *Frontiers in Nutrition*, 10(June). <https://doi.org/10.3389/fnut.2023.1173488>
- Lee, J.-H., Chon, S., Cha, S.-A., Lim, S.-Y., Kim, K.-R., Yun, J.-S., *et al.* (2021). Impaired fasting glucose levels in overweight or obese subjects for screening of type 2 diabetes in Korea. *The Korean Journal of Internal Medicine*, 36(2), 382–391. <https://doi.org/10.3904/kjim.2019.171>
- Lemeshow, S., Klar, J., Lwanga, stephen K., & Hosmer, D. W. (1997). *Besar Sampel Dalam Penelitian Kesehatan*. Gadjah Mada University Press.
- Mengozzi, A., Pugliese, N. R., Desideri, G., Masi, S., Angeli, F., Barbagallo, C. M., *et al.* (2023). Serum Uric Acid Predicts All-Cause and Cardiovascular

Mortality Independently of Hypertriglyceridemia in Cardiometabolic Patients without Established CV Disease: A Sub-Analysis of the URic acid Right for heArt Health (URRAH) Study. *Metabolites*, 13(2). <https://doi.org/10.3390/metabo13020244>

Menteri Kesehatan Republik Indonesia. (2020). *Peraturan Menteri Kesehatan Republik Indonesia Nomor 21 Tahun 2020 Tentang Rencana Strategis Kementerian Kesehatan Tahun 2020-2024*.

Minato-Inokawa, S., Honda, M., Tsuboi-Kaji, A., Takeuchi, M., Kitaoka, K., Takenouchi, A., et al. (2022). Higher fasting glucose, triglycerides, resting pulse rate and high-sensitivity C reactive protein in adipose insulin-resistant but normal weight young Japanese women. *BMJ Open Diabetes Research and Care*, 10(6), 1–6. <https://doi.org/10.1136/bmjdrc-2022-003013>

Natan, O., Lestari, Y., Arysanty, D., & Sulastri, D. (2019). Association between carbohydrate and fat intake and estradiol levels with body fat percentage in Minangkabau ethnic premenopausal women, in Padang City West Sumatra year 2018. *International Journal of Research in Medical Sciences*, 7(2), 600. <https://doi.org/10.18203/2320-6012.ijrms20190364>

Nugroho, E. R., Warlisti, I. V., Bakri, S., & Kendal, P. (2018). Hubungan Dukungan Keluarga Dengan Kepatuhan Kunjungan Berobat dan Kadar Glukosa Darah Puasa Penderita DM Tipe 2 di Puskesmas Kendal. *Jurnal Kedokteran Diponegoro*, 7(4), 1731–1743.

Palliyaguru, D. L., Shiroma, E. J., Nam, J. K., Duregon, E., Vieira Ligo Teixeira, C., Price, N. L., et al. (2021). Fasting blood glucose as a predictor of mortality: Lost in translation. *Cell Metabolism*, 33(11), 2189-2200.e3. <https://doi.org/10.1016/j.cmet.2021.08.013>

Park, J. H., Jo, Y. Il, & Lee, J. H. (2020). Renal effects of uric acid: Hyperuricemia and hypouricemia. *Korean Journal of Internal Medicine*, 35(6), 1291–1304. <https://doi.org/10.3904/kjim.2020.410>

Perhimpunan Reumatologi Indonesia. (2020). *Rekomendasi Pedoman Diagnosis dan Pengelolaan Gout*. https://reumatologi.or.id/wp-content/uploads/2020/10/Rekomendasi_GOUT_final.pdf

Permenkes. (2019). *Peraturan Menteri Kesehatan Republik Indonesia Nomor 41 Tahun 2019 Tentang Pedoman Gizi Seimbang*.

Perry, R. J., & Shulman, G. I. (2020). Sodium-glucose cotransporter-2 inhibitors : Understanding the mechanisms for therapeutic promise and persisting risks. *Journal of Biological Chemistry*, 295(42), 14379–14390. <https://doi.org/10.1074/jbc.REV120.008387>

- Preda, A., Carbone, F., Tirandi, A., Montecucco, F., & Liberale, L. (2023). Obesity phenotypes and cardiovascular risk: From pathophysiology to clinical management. *Reviews in Endocrine and Metabolic Disorders*, 0123456789. <https://doi.org/10.1007/s11154-023-09813-5>
- Rajadhyaksha, A., Sarate, N., Raghorte, N., & Ingawale, S. (2022). A Clinical Profile of Patients with Hyperuricemia and the Relationship between Hyperuricemia and Metabolic Syndrome: A Cross-sectional Study at a Tertiary Hospital in the Indian Population. *The Journal of the Association of Physicians of India*, 70(5), 11–12. <https://doi.org/10.0102/japi.2022.05>
- Rakhmat, I. I., Putra, I. C. S., Wibowo, A., Henrina, J., Nugraha, G. I., Ghozali, M., et al. (2022). Cardiometabolic risk factors in adults with normal weight obesity: A systematic review and meta-analysis. *Clinical Obesity*, 12(4). <https://doi.org/10.1111/cob.12523>
- Romero-Corral, A., Somers, V. K., Sierra-Johnson, J., Korenfeld, Y., Boarin, S., Korinek, J., et al. (2010). Normal weight obesity: a risk factor for cardiometabolic dysregulation and cardiovascular mortality. *European Heart Journal*, 31(6), 737–746. <https://doi.org/10.1093/eurheartj/ehp487>
- Saito, Y., Tanaka, A., Node, K., & Kobayashi, Y. (2021). Uric acid and cardiovascular disease: A clinical review. *Journal of Cardiology*, 78(1), 51–57. <https://doi.org/10.1016/j.jcc.2020.12.013>
- Sánchez-Briales, P., Marques Vidas, M., López-Sánchez, P., López-Illázquez, M. V., Martín-Testillano, L., Vedat-Ali, A., et al. (2024). The Uricosuric Effect of SGLT2 Inhibitors Is Maintained in the Long Term in Patients with Chronic Kidney Disease and Type 2 Diabetes Mellitus. *Journal of Clinical Medicine*, 13(5). <https://doi.org/10.3390/jcm13051360>
- Shirasawa, T., Ochiai, H., Yoshimoto, T., Nagahama, S., & Watanabe, A. (2020). Cross-sectional study of associations between normal body weight with central obesity and hyperuricemia in Japan. *BMC Endocrine Disorders*, 1, 1–8. <https://bmcedendocrinology.biomedcentral.com/articles/10.1186/s12902-019-0481-1>
- Singhal, A. (2020). Obesity in Toddlers and Young Children: Causes and Consequences. In *Nestlé Nutr. Inst. Workshop Ser.* (pp. 41–51). <https://doi.org/10.1159/000511510>
- Soleha, T. U., & Bimandama, M. A. (2016). Hubungan Sindrom Metabolik dengan Penyakit Kardiovaskular. *Jurnal Majority*, 5(2), 49–55. <https://juke.kedokteran.unila.ac.id/index.php/majority/article/view/1077>
- Tani, S., Matsuo, R., Imatake, K., Suzuki, Y., Takahashi, A., Yagi, T., et al. (2020). The serum uric acid level in females may be a better indicator of metabolic

- syndrome and its components than in males in a Japanese population . *Journal of Cardiology*, 76(1), 100–108. <https://doi.org/10.1016/j.jcc.2020.01.011>
- Wen, W.-L., Wu, P.-Y., Huang, J.-C., Tu, H.-P., & Chen, S.-C. (2021). Different Curve Shapes of Fasting Glucose and Various Obesity-Related Indices by Diabetes and Sex. *International Journal of Environmental Research and Public Health*, 18(6). <https://doi.org/10.3390/ijerph18063096>
- Wijayatunga, N. N., & Dhurandhar, E. J. (2021). Normal weight obesity and unaddressed cardiometabolic health risk—a narrative review. *International Journal of Obesity*, 45(10), 2141–2155. <https://doi.org/10.1038/s41366-021-00858-7>
- Wijayatunga, N. N., Kim, H., Hays, H. M., & Kang, M. (2022). Objectively Measured Physical Activity Is Lower in Individuals with Normal Weight Obesity in the United States. *International Journal of Environmental Research and Public Health*, 19(18). <https://doi.org/10.3390/ijerph191811747>
- Xu, S., Ming, J., Jia, A., Yu, X., Cai, J., Jing, C., et al. (2021). Normal weight obesity and the risk of diabetes in Chinese people: a 9-year population-based cohort study. *Scientific Reports*, 11(1), 1–8. <https://doi.org/10.1038/s41598-021-85573-z>
- Yao, S., Zhou, Y., Xu, L., Zhang, Q., Bao, S., Feng, H., et al. (2022). Association between hyperuricemia and metabolic syndrome: A cross-sectional study in Tibetan adults on the Tibetan plateau. *Frontiers in Endocrinology*, 13(October), 1–10. <https://doi.org/10.3389/fendo.2022.964872>
- You, L., Liu, A., Wuyun, G., Wu, H., & Wang, P. (2014). Prevalence of hyperuricemia and the relationship between serum uric acid and metabolic syndrome in the Asian Mongolian area. *Journal of Atherosclerosis and Thrombosis*, 21(4), 355–365. <https://doi.org/10.5551/jat.20529>
- Zhang, S., Jiang, H., Wang, L., Jia, X., Zhang, J., Wang, H., et al. (2022). Longitudinal relationship between body fat percentage and risk of type 2 diabetes in Chinese adults: Evidence from the China Health and Nutrition Survey. *Frontiers in Public Health*, 10. <https://doi.org/10.3389/fpubh.2022.1032130>