

DAFTAR PUSTAKA

- Abbott. 2017a. *Package Insert Instructions for Cholesterol Assay on the ARCHITECT c Systems*. Abbott Laboratories. USA.
- Abbott. 2017b. *Package Insert Instructions for Ultra HDL Assay on the ARCHITECT c Systems*. Abbott Laboratories. USA.
- Abdelbagi, O., I. R. Musa, S. M. Musa, S. A. Altigani, dan I. Adam. 2021. Prevalence and Associated Factors of Hypertension Among Adults with Diabetes Mellitus in Northern Sudan: A Cross Sectional Study. *BMC Cardiovascular Disorder* 21: 168.
- Alique, M., C. Luna, J. Carracedo, dan R. Ramirez. 2015. LDL Biochemical Modifications: A Link between Atherosclerosis and Aging. *Food and Nutrition Research* 59: 29240.
- American Diabetes Association (ADA). 2021a. Classification and Diagnosis of Diabetes: Standards of Medical Care in Diabetes. Dalam *Diabetes Care* 44 (Supplement1): S15-S33.
- American Diabetes Association (ADA). 2021b. Cardiovascular Disease and Risk Management: Standards of Medical Care in Diabetes. Dalam *Diabetes Care* 44 (Supplement1): S125-S150.
- Artha, I. M. J. R., A. Bhargah, N. K. Dharmawan, U. W. Pande, K. A. Triyana, P. A. Mahariski, J. Yuwono, V. Bhargah, I. P. Y. Prabawa, I. B. A. Manuaba, dan I. K. Rina. 2019. High Level of Individual Lipid Profile and Lipid Ratio as A Predictive Marker of Poor Glycemic Control in Type 2 Diabetes Mellitus. *Vascular Health and Risk Management* 15: 149-157.
- Athyros, V. G., M. Doumas, K. P. Imprialos, K. Stavropoulos, E. Georgianou, A. Katsimardou, dan A. Karagiannis. 2018. Diabetes and Lipid Metabolism. *Hormones* 17: 61-67.
- Ayutthaya, S. S. dan N. Adnan. 2020. Faktor Risiko Hipertensi pada Penderita Diabetes Mellitus Tipe 2. *Jurnal Ilmu Kesehatan Masyarakat* 9(2): 60-71.
- Bio-Rad. 2010. *D-10 Hemoglobin A1c Program: Instruction Manual*. Bio-Rad Laboratories. USA.
- Butler, A. E., E. English, E. S. Kilpatrick, L. Ostlundh, H. S. Chemaitelly, L. J. Abu-Raddad, K. G. M. M. Alberti, S. L. Atkin, dan W. G. John. 2021. Diagnosing Type 2 Diabetes Using Hemoglobin A1c: A Systematic Review and Meta-Analysis of the Diagnostic Cutpoint Based on Microvascular Complications. *Acta Diabetologica* 58: 279-300.
- Campagna, D., A. Alamo, A. Di Pino, C. Russo, A. E. Calogero, F. Purrello, dan R. Polosa. 2019. Smoking and Diabetes: Dangerous Liaisons and Confusing Relationships. *Diabetology and Metabolic Syndrome* 11: 85.
- Cao, Y., L. Yan, N. Guo, N. Yu, Y. Wang, X. Cao, dan S. Yang. 2018. Non-High Density Lipoprotein Cholesterol and Risk of Cardiovascular Disease in the General Population and Patients with Type 2 Diabetes: A Systematic Review and Meta-Analysis. *Diabetes Research and Clinical Practice* 147: 1-8.
- Chen, S., Y. Shen, Y. Liu, Y. Dai, Z. Wu, X. Wang, C. Yang, L. Li, J. Liu, L. Zhang, W. Shen, R. Ji, L. Lu, dan F. Ding. 2021. Impact of Glycemic Control on

- the Association of Endothelial Dysfunction and Coronary Artery Disease in Patients with Type 2 Diabetes Mellitus. *Cardiovascular Diabetology* 20: 64.
- Dahlan, M. S. 2014. Hipotesis Korelatif. Dalam *Statistik untuk Kedokteran dan Kesehatan Seri 1*. 6th Ed. Epidemiologi Indonesia. Jakarta.
- Decroli, E. 2019. Dasar-dasar Terjadinya DM Tipe 2. Dalam *Diabetes Melitus Tipe 2*. Editor A. Kam, Y. P. Efendi, G. P. Decroli, dan A. Rahmadi. Pusat Penerbitan Bagian Ilmu Penyakit Dalam Fakultas Kedokteran Universitas Andalas. Padang.
- Deshmukh, A. S. 2015. Insulin Stimulated Glucose Uptake in Healthy and Insulin Resistant Skeletal Muscle. *Hormone Molecular Biology and Clinical Investigation* 26(1): 13-24.
- Einarson, T. R., A. Acs, C. Ludwig, dan U. H. Panton. 2018. Prevalence of Cardiovascular Disease in Type 2 Diabetes: A Systematic Literature Review of Scientific Evidence from Across the World in 2007-2017. *Cardiovascular Diabetology* 17(1): 83.
- Fonseca, L., S. Paredes, H. Ramos, J. Oliveira, dan I. Palma. 2020. Apolipoprotein B and Non-High Density Lipoprotein Cholesterol Reveal a High Atherogenicity in Individuals with Type 2 Diabetes and Controlled Low Density Lipoprotein Cholesterol. *Lipids in Health and Disease* 19: 127.
- Freeman, V. S. 2018. Carbohydrates. Dalam *Clinical Chemistry: Principles, Techniques, and Correlations*. 8th Ed. Editor M. L. Bishop, E. P. Fody, dan L. E. Schoeff. Wolters Kluwer. Philadelphia.
- Haghighatpanah, M., A. S. M. Nejad, M. Haghighatpanah, G. Thunga, dan S. Mallayasamy. 2018. Factors that Correlate with Poor Glycemic Control in Type 2 Diabetes Mellitus Patients with Complications. *Osong Public Health and Research Perspectives* 9(4): 167-174.
- Hall, J. E. dan M. E. Hall. 2021. Insulin, Glucagon, and Diabetes Mellitus. Dalam *Guyton and Hall Textbook of Medical Physiology*. 14th Ed. Elsevier. Philadelphia.
- Hirano, T. 2018. Pathophysiology of Diabetic Dyslipidemia. *Journal of Atherosclerosis and Thrombosis* 25(9): 771-782.
- Hong, J. W., C. R. Ku, J. H. Noh, K. S. Ko, B. D. Rhee, dan D. Kim. 2015. Association between Self-Reported Smoking and Hemoglobin A1c in a Korean Population without Diabetes: The 2011-2012 Korean National Health and Nutrition Examination Survey. *PLoS One* 10(5): e0126746.
- Horber, S., P. Achenbach, E. Schleicher, dan A. Peter. 2020. Harmonization of Immunoassays for Biomarkers in Diabetes Mellitus. *Biotechnology Advances* 39: 107359.
- Huang, X., G. Liu, J. Guo, dan Z. Su. 2018. The PI3K/AKT Pathway in Obesity and Type 2 Diabetes. *International Journal of Biological Sciences* 14(11): 1483-1496.
- Ivanova, E. A., V. A. Myasoedova, A. A. Melnichenko, A. V. Grechko, dan A. N. Orekhov. 2017. Small Dense Low Density Lipoprotein as Biomarker for Atherosclerotic Diseases. *Oxidative Medicine and Cellular Longevity* 2017: 1273042.
- Kementerian Kesehatan Republik Indonesia (Kemenkes RI). 2020. *InfoDATIN Tetap Produktif, Cegah, dan Atasi Diabetes Melitus*. Pusat Data dan Informasi Kementerian Kesehatan RI. Jakarta Selatan.

- Khorami, S. A. H., A. Movahedi, K. Huzwah, A. M. M. Sokhini. 2015. PI3K/AKT Pathway in Modulating Glucose Homeostasis and Its Alteration in Diabetes. *Annals of Medical and Biomedical Sciences* 1(2): 46-55.
- Kidwai, S. S., A. Nageen, F. Bashir, dan J. Ara. 2020. HbA1c: A Predictor of Dyslipidemia in Type 2 Diabetes Mellitus. *Pakistan Journal of Medical Sciences* 36(6): 1339-1342.
- Kim, J., M. Montagnani, S. Chandrasekran, dan M. J. Quon. 2012. Lipotoxicity in Endothelial Dysfunction. *Heart Failure Clinics* 8(4): 589-607.
- Kosmopoulos, M., D. Drekolias, P. D. Zavras, C. Piperi, dan A. G. Papavassiliou. 2019. Impact of Advanced Glycation End Products Signaling in Coronary Artery Disease. *BBA Molecular Basis of Disease* 1865(3): 611-619.
- Li, Y. Z., A. D. Cristofano, dan M. Woo. 2020. Metabolic Role of PTEN in Insulin Signaling and Resistance. *Cold Spring Harbor Perspectives in Medicine* 10(8): a036137.
- Mordarska, K. dan M. G. Zawada. 2017. Diabetes in the Elderly. *Menopause Review* 16(2): 38-43.
- Moriyama, K. dan E. Takahashi. 2016. Non-HDL Cholesterol is a More Superior Predictor of Small Dense LDL Cholesterol than LDL Cholesterol in Japanese Subjects with TG Levels Less Than 400 mg/dL. *Journal of Atherosclerosis and Thrombosis* 23(9): 1126-1137.
- Mussa, B. M., Y. Abdulllah, dan S. Abusnana. 2016. Prevalence of Hypertension and Obesity Among Emirati Patients with Type 2 Diabetes. *Journal of Diabetes and Metabolism* 7:1.
- Nadkarni, P. dan R. S. Weinstock. 2017. Carbohydrates. Dalam *Henry's Clinical Diagnosis and Management by Laboratory Methods*. Editor R. A. McPherson dan M. R. Pincus. Elsevier. Missouri.
- Perhimpunan Dokter Spesialis Kardiovaskular Indonesia (PERKI). 2017. *Panduan Tata Laksana Dislipidemia 2017*. PERKI. Jakarta.
- Perkumpulan Endokrinologi Indonesia (PERKENI). 2019a. *Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Dewasa di Indonesia 2019*. PB PERKENI. Jakarta.
- Perkumpulan Endokrinologi Indonesia (PERKENI). 2019b. *Pedoman Pengelolaan Dislipidemia di Indonesia 2019*. PB PERKENI. Jakarta.
- Poznyak, A., A. V. Grechko, P. Poggio, V. A. Myasoedova, A. Alfieri, dan A. N. Orekhov. 2020. The Diabetes Mellitus and Atherosclerosis Connection: The Role of Lipid and Glucose Metabolism and Chronic Inflammation. *International Journal of Molecular Sciences* 21(5): 1835.
- Purohit, A., N. Sharma, dan A. Gaur. 2017. Association of HbA1c with Dyslipidemia in Diabetes Mellitus. *Scholars Journal of Applied Medical Sciences* 5(7E): 2892-2897.
- Regassa, L. D., A. Tola, dan Y. Ayele. 2021. Prevalence of Cardiovascular Disease and Associated Factors Among Type 2 Diabetes Patients in Selected Hospitals of Harari Region, Eastern Ethiopia. *Frontiers in Public Health* 8: 532719.
- Rusdiana, S. S. Widjaja, dan M. Savira. 2020. The Relation between Lipid Profile and Glycemic Control in Type 2 Diabetes Mellitus Patients in North Sumatera, Indonesia. *Open Access Macedonian Journal of Medical Sciences* 8(B): 887-891.

- Sacks, D. B. 2018. Diabetes Mellitus. Dalam *Tietz Textbook of Clinical Chemistry and Molecular Diagnostics*. 6th Ed. Editor N. Rifai, A. R. Horvath, dan C. T. Wittwer. Elsevier. Missouri.
- Safo, A. S. 2018. Correlation between Non-High Density Lipoprotein Cholesterol and The Degree of Glycemic Control in Type 2 Diabetes Mellitus. *Medical Journal of Babylon* 15(2): 169-173.
- Schwartz, S. S., P. S. Jellinger, dan M. E. Herman. 2016. Obviating Much of the Need for Insulin Therapy in Type 2 Diabetes Mellitus: A Re-Assessment of Insulin Therapy's Safety Profile. *Postgraduate Medicine* 128(6): 609-619.
- Senghor, A. dan E. William. 2014. Correlation of HbA1c and Non-HDL Cholesterol to Assess Diabetic Dyslipidemia. *International Journal of Recent Scientific Research* 5(5): 931-933.
- Shahwan, M. J., A. H. Khattab, M. H. Khattab, dan A. A. Jairoun. 2019. Association between Abnormal Serum Hepatic Enzymes, Lipid Levels and Glycemic Control in Patients with Type 2 Diabetes Mellitus. *Obesity Medicine* 16(12): 100137.
- Sherwood, L. 2016. The Peripheral Endocrine Glands. Dalam *Human Physiology from Cells to Systems*. 9th Ed. Cengage Learning. Boston.
- Su, X., Y. Kong, dan D. Peng. 2019. Evidence for Changing Lipid Management Strategy to Focus on Non-High Density Lipoprotein Cholesterol. *Lipids in Health and Disease* 18: 134.
- Thambiah, S. C., I. N. Samsudin, E. George, S. Y. Z. Sham, H. M. Lee, M. A. Muhamad, Z. Hussei, N. M. Noor, dan M. Mohamad. 2016. Relationship between Dyslipidemia and Glycemic Status in Patients with Type 2 Diabetes Mellitus. *The Malaysian Journal of Pathology* 38(2): 123-130.
- Wang, C. C. L., C. N. Hess, W. R. Hiatt, dan A. B. Goldfine. 2016. Cardiovascular Disease in Diabetes Mellitus: Atherosclerotic Cardiovascular Disease and Heart Failure in Type 2 Diabetes Mellitus. *Circulation* 133(24): 2459-2502.
- Zhang, H., L. Qin, C. Sheng, Y. Niu, H. Gu, S. Lu, Z. Yang, J. Tian, dan Q. Su. 2020. ASCVD Risk Stratification Modifies The Effect of HbA1c on Cardiovascular Events Among Patients with Type 2 Diabetes Mellitus with Basic to Moderate Risk. *BMJ Open Diabetes Research and Care* 8(1): e000810.