

DAFTAR PUSTAKA

- Abbasi, F., Malhotra, D., Mathur, A., Reaven, G.M. & Molina, C.R. 2012. Body Mass Index and Waist Circumference Associate to A Comparable Degree with Insulin Resistance and Related Metabolic Abnormalities in South Asian Women and Men. *Diabetes and Vascular Disease Research*, 9(4), 296-300.
- Abbasian, M., Delvarianzadeh, M., Ebrahimi, H., & Khosravi, F. 2017. Lipid Ratio as a Suitable Tool to Identify Individuals with MetS Risk: a Case Control Study. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, 11, S15-9.
- Abbott laboratories. 2012. Architect Glucose. Abbott Laboratories Diagnostics USA.
- Abbott laboratories. 2015. Architect Insulin. Abbott Laboratories Diagnostics Division.
- Abbott laboratories. 2017. Abbott Architect Vol 11.0 English.
- Adiga, U., Banawalikar, N., Mayur, S., Bansal, R., Ameera, N., & Rao, S. 2021. Association of Insulin Resistance and Leptin Receptor Gene Polymorphism in Type 2 Diabetes Mellitus. *Journal of the Chinese Medical Association*, 84(4), 383-8.
- Adnan, E., Rahman, I.A., & Faridin, H.P. 2019. Relationship between Insulin Resistance, Metabolic Syndrome Components, and Serum Uric Acid. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, 13(3), 2158-62.
- Amal, S., Pasha, H.F., & Rashad, N.M. 2013. Association of Resistin Gene Polymorphisms with Insulin Resistance in Egyptian Obese Patients. *Gene*, 515(1), 233-8.
- Alborhan, I. 2015. Pathophysiology of Insulin Resistance. *Research Gate*. doi:10.13140/RG.2.1.4186.6408.
- Balitbangkes-Kemenkes RI. 2019. Laporan Nasional Riskesdas 2018. Lembaga Penerbit Badan Penelitian dan Pengembangan Kesehatan. Jakarta. 1-674.
- Bayrak, E.K. 2012. Impact of Genetic Polymorphisms on Insulin Resistance dalam Insulin Resistance, chapter 3. Romina Skomersic, Croatia.
- Bermudez, V., Salazar, J., Martínez, M.S., Chávez-Castillo, M., Olivar, L.C., Calvo, M.J., *et al.* 2016. Prevalence and Associated Factors of Insulin Resistance in Adults from Maracaibo City, Venezuela. *Adv Prev Med* 1–13.
- Blackburn, S. 2015. Maternal, Fetal, & Neonatal Physiology: a Clinical Perspective, 5th ed. Washington. 576.
- Brown, A.E. & Walker, M. 2016. Genetics of Insulin Resistance and The Metabolic Syndrome. *Current Cardiology Reports*, 18, 1-8.
- Bulbul, M.C., Dage, T., Afsar, B., Ulu, N.N., Kuwabara, M., Covic, A., *et al.* 2018. Disorders of Lipid Metabolism in Chronic Kidney Disease. *Blood purification*, 46(2), 144-52.
- Chiang, J.K., Lai, N.S., Chang, J.K. & Koo, M. 2011. Predicting Insulin Resistance Using The Triglyceride-to-High-Density Lipoprotein Cholesterol Ratio in Taiwanese Adults. *Cardiovascular Diabetology*, 10(1), 1-6.
- Chung, J.O., Cho, D.H., Chung, D.J. & Chung, M.Y. 2012. Associations among Body Mass Index, Insulin Resistance, and Pancreatic β -Cell Function in Korean Patients with New Onset Type 2 Diabetes. *The Korean Journal of Internal Medicine*, 27(1), 66-71.
- Dahlan, M.S. 2009. Penelitian Diagnostik Seri Evidence Based Medicine 5. Jakarta: Salemba Medika.
- Dahlan, M.S. 2016. Besar Sampel dalam Penelitian Kedokteran dan Kesehatan Seri 2 Edisi 4. Jakarta: Epidemiologi Indonesia.
- Decroli, E., Efendi, Y.P., Kam, A., Manaf, A., & Syahbuddin, S. 2018. Description of Insulin Resistance and Beta-Cell Pancreas Dysfunction in Prediabetic Patients. *Proceeding Book. ICOMHER 2018*.

- DeFronzo, R.A., Tobin, J.D., & Andres, R. 1979. Glucose Clamp Technique: a Method for Quantifying Insulin Secretion and Resistance. *Am J Physiol*;237:E214–E223.
- Deng, Q.W., Li, S., Wang, H., Lei, L., Zhang, H.Q., Gu, Z.T., *et al.* 2018. The Short-term Prognostic Value of The Triglyceride-to-high-density Lipoprotein Cholesterol Ratio in Acute Ischemic Stroke. *Aging and disease*, 9(3), 498.
- Deshmukh, A.S. 2016. Insulin Stimulated Glucose Uptake in Healthy and Insulin Resistant Skeletal Muscle. *Hormone Molecular Biology and Clinical Investigation*, 26(1), 13-24.
- Despres, J.P., Couillard, C., Gagnon, J., Bergeron, J., Leon, A.S., Rao, D.C., *et al.* 2000. Race, Visceral Adipose Tissue, Plasma Lipids, and Lipoprotein Lipase Activity in Men and Women: the Health, Risk Factors, Exercise Training, and Genetics (HERITAGE) Family Study. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 20(8), 1932-8.
- Du, T., Yuan, G., Zhang, M., Zhou, X., Sun, X., & Yu, X. 2014. Clinical Usefulness of Lipid Ratios, Visceral Adiposity Indicators, and The Triglycerides and Glucose Index as Risk Markers of Insulin Resistance. *Cardiovascular diabetology*, 13(1), 1-10.
- Erayess, M.A., Rizk, N.M., Fadel, A.S., & Kerkadi, A. 2020. Prevalence and Predictors of Insulin Resistance in Non-Obese Healthy Young Females in Qatar. *International Journal of Environmental Research and Public Health*, 17(14), 5088.
- Er, L.K., Wu, S., Chou, H.H., Hsu, L.A., Teng, M.S., Sun, Y.C., *et al.* 2016. Triglyceride Glucose-Body Mass Index is a Simple and Clinically Useful Surrogate Marker for Insulin Resistance in Nondiabetic Individuals. *PLoS One*, 11(3), e0149731.
- Fahed, M., Jaoudeh, M.G.A., Merhi, S., Mosleh, J.M.B., Ghadieh, R., Hayek, S.A., *et al.* 2020. Evaluation of Risk Factors for Insulin Resistance: A Cross Sectional Study among Employees at A Private University in Lebanon. *BMC Endocrine Disorders* 20:85. <https://doi.org/10.1186/s12902-020-00558-9>.
- Fan, X., Liu, E.Y., Hoffman, V.P., Potts, A.J., Sharma, B., & Henderson, D.C., 2011. Triglyceride/High Density Lipoprotein Cholesterol Ratio: A Surrogate to Predict Insulin Resistance and Low Density Lipoprotein Cholesterol Particle Size in Non-Diabetic Patients with Schizophrenia. *The Journal of Clinical Psychiatry*, 71(6), 21758.
- Feng, Y., Jiang, C.D., Chang, A.M., Shi, Y., Gao, J., Zhu, L., *et al.* 2019. Interactions among Insulin Resistance, Inflammation Factors, Obesity-related Gene Polymorphisms, Environmental Risk Factors, and Diet in The Development of Gestational Diabetes Mellitus. *The Journal of Maternal-Fetal & Neonatal Medicine*, 32(2), 339-47.
- Fowler, J.R., Tucker, L.A., Bailey, B.W., & LeCheminant, J.D. 2020. Physical Activity and Insulin Resistance in 6,500 NHANES Adults: the role of abdominal obesity. *Journal of Obesity*.
- Freeman, A.M. & Pennings, N. 2021. Insulin Resistance dalam StatPearls. Treasure Island (FL): StatPearls Publishing. Diakses pada <https://www.ncbi.nlm.nih.gov/books/NBK507839>.
- Galicia-Garcia, U., Benito-Vicente, A., Jebari, S., Larrea-Sebal, A., Siddiqi, H., Uribe, K.B., *et al.* 2020. Pathophysiology of Type 2 Diabetes Mellitus. *International Journal of Molecular Sciences* 21, 6275. doi: 10.3399/ijms21176275.
- Gasevic, D., Frohlich, J., Mancini, G.J. & Lear, S.A. 2012. The Association between Triglyceride to High-Density-Lipoprotein Cholesterol Ratio and Insulin Resistance in A Multiethnic Primary Prevention Cohort. *Metabolism*, 61(4), 583-9.
- Gayoso-Diz P., Otero-González A., Rodriguez-Alvarez M.X., Gude F., Garcia F., Francisco A.D., *et al.* 2013. Insulin Resistance (HOMA-IR) Cut-off Values and The Metabolic Syndrome in A General Adult Population: Effect of Gender and Age: EPIRCE cross-sectional study. *BMC Endocr Disord* 13, 47.
- Gharipour, M., Sadeghi, M., Dianatkah, M., Nezafati, P., Talaie, M., Oveisgharan, S., *et al.* 2016. Comparison between European and Iranian Cutoff points of Triglyceride/high-

- density Lipoprotein Cholesterol Concentrations in Predicting Cardiovascular Disease Outcomes. *Journal of Clinical Lipidology*, 10(1), 143-9.
- Goh, L.P.W., Sani, S.A., Sabullah, M.K. & Gansau, J.A. 2022. The Prevalence of Insulin Resistance in Malaysia and Indonesia: An Updated Systematic Review and Meta-Analysis. *Medicina*, 58(6), 826.
- Goma, A., Sharafeddin, M., & Abdallah, A., 2020. Lipid Profile in Relation to Severity of Liver Diseases. *Benha Medical Journal*, 37(1), 319-25.
- Gong, R., Luo, G., Wang, M., Ma, L., Sun, S., & Wei, X. 2021. Associations between TG/HDL Ratio and Insulin Resistance in The US Population: a cross-sectional study. *Endocrine Connections*, 10(11), 1502.
- Grimes, S.B. & Wild, R. 2018. Effect of Pregnancy on Lipid Metabolism and Lipoprotein Levels. Oklahoma University Health Sciences Center, Oklahoma.
- Guallar-Castillon, P., Perez, R.F., Garcia, E.L., Leon-Munoz, L.M., Aguilera, M.T., Graciani, A., *et al.* 2014. Magnitude and Management of Metabolic Syndrome in Spain in 2008-2010: the ENRICA study. *Rev Esp Cardiol* 67, 367-73.
- Guettier, J.M. & Gorden, P. 2010. Insulin Secretion and Insulin Producing Tumors. *Expert Review of Endocrinology & Metabolism*, 5(2), 217-27.
- Gutch, M., Kumar, S., Razi, S.M., Gupta, K.K., & Gupta, A. 2015. Assessment of Insulin Sensitivity/Resistance. *Indian Journal of Endocrinology and Metabolism Vol 19 Issue 1*.
- Hajian-Tilaki, K. 2013. Receiver Operating Characteristic (ROC) Curve Analysis for Medical Diagnostic Test Evaluation. *Caspian journal of internal medicine*, 4(2), 627.
- He, J., He, S., Liu, K., Wang, Y., Shi, D. & Chen, X. 2014. The TG/HDL-C Ratio Might be A Surrogate for Insulin Resistance in Chinese Nonobese Women. *International Journal of Endocrinology*.
- Hocking, S., Samocha-Bonet, D., Milner, K.L., Greenfield, J.R., & Chisholm, D.J. 2013. Adiposity and Insulin Resistance in Humans: the role of the different tissue and cellular lipid depots. *Endocrine reviews*, 34(4), 463-500.
- Huang, Z., Huang, L., Waters, M.J., & Chen, C. 2020. Insulin and Growth Hormone Balance: Implications for Obesity. *Trends in Endocrinology & Metabolism*, 31(9), 642-54.
- International Diabetes Federation. 2021. *IDF Diabetes Atlas 10th edition*.
- Janssen, J.A. 2021. Hyperinsulinemia and Its Pivotal Role in Aging, Obesity, Type 2 Diabetes, Cardiovascular Disease and Cancer. *International Journal of Molecular Sciences*, 22(15), 7797.
- Jenkins, H.N., Rivera-Gonzalez O., Gibert Y., & Speed J.S. 2020. Endothelin-1 in the pathophysiology of obesity and insulin resistance. *Obesity Reviews*.
- Jiang, J., Cai, X., Pan, Y., Du, X., Zhu, H., Yang, X., *et al.* 2020. Relationship of Obesity to Adipose Tissue Insulin Resistance. *BMJ Open Diabetes Research and Care*, 8(1), p.e000741.
- Kang, B., Yang, Y., Lee, E.Y., Yang, H.K., Kim, H.S., Lim, S.Y., *et al.* 2017. Triglycerides/glucose Index is a Useful Surrogate Marker of Insulin Resistance among Adolescents. *International Journal of Obesity*, 41(5), 789-92.
- Kannel, W.B., Vasan, R.S., Keyes, M.J., Sullivan, L.M., & Robins, S.J. 2008. Usefulness of the Triglyceride–High-Density Lipoprotein Versus the Cholesterol–High-Density Lipoprotein Ratio for Predicting Insulin Resistance and Cardiometabolic Risk (from the Framingham Offspring Cohort). *The American Journal of Cardiology*, 101(4), 497–501. doi:10.1016/j.amjcard.2007.09.109.
- Keirns, B.H., Sciarrillo, C.M., Koemel, N.A. & Emerson, S.R. 2021. Fasting, Non-Fasting and Postprandial Triglycerides for Screening Cardiometabolic Risk. *Journal of Nutritional Science*, 10.

- Kim, J.S., Kang, H.T., Shim, J.Y. & Lee, H.R. 2012. The Association between The Triglyceride to High-Density Lipoprotein Cholesterol Ratio with Insulin Resistance (HOMA-IR) in The General Korean Population: based on the National Health and Nutrition Examination Survey in 2007–2009. *Diabetes research and clinical practice*, 97(1), 132-8.
- Kim, S.H. & Park, M.J. 2017. Effects of Growth Hormone on Glucose Metabolism and Insulin Resistance in Human. *Annals of Pediatric Endocrinology & Metabolism*, 22(3), 145.
- Kleeff, J., Whitcomb, D.C., Shimosegawa, T., Esposito, I., Lerch, M.M., Gress, T., *et al.* 2017. Chronic Pancreatitis. *Nature reviews Disease primers*, 3(1), 1-18.
- Kyrou, I., Tsigos, C., Mavrogianni, C., Cardon, G., Van Stappen, V., Latomme, J., *et al.* 2020. Sociodemographic and Lifestyle-related Risk Factors for Identifying Vulnerable Groups for Type 2 Diabetes: a narrative review with emphasis on data from Europe. *BMC endocrine disorders*, 20, 1-13.
- Li, C., Ford, E.S., Meng, Y.X., Mokdad, A.H., & Reaven, G.M. 2008. Does The Association of The Triglyceride to High-Density Lipoprotein Cholesterol Ratio with Fasting Serum Insulin Differ by Race/Ethnicity? *Cardiovascular Diabetology*, Vol. 7, No.1, 4.
- Lundsgaard, A.M. & Kiens, B., 2014. Gender Differences in Skeletal Muscle Substrate Metabolism—Molecular Mechanisms and Insulin Sensitivity. *Frontiers in endocrinology*, 5, 195.
- Mackawy, A.M. & Badawi, M.E. 2014. Association of Vitamin D and Vitamin D Receptor Gene Polymorphisms with Chronic Inflammation, Insulin Resistance, and Metabolic Syndrome Components in Type 2 Diabetic Egyptian Patients. *Meta gene*, 2, 540-56.
- Mansyur, M.A., Bakri, S., Patellongi, I.J., & Rahman, I.A. 2020. The Association between Metabolic Syndrome Components, Low-Grade Systemic Inflammation and Insulin Resistance in Non-Diabetic Indonesian Adolescent Male. *Clinical Nutrition ESPEN*, 35, 69-74.
- Marshall, W.J., Lapsley, M., Day, A., & Shipman, K. 2020. *Clinical Chemistry 9th edition*. Elsevier.
- Martinez, K.E., Tucker, L.A., Bailey, B.W., & LeCheminant, J.D. 2017. Expanded Normal Weight Obesity and Insulin Resistance in US Adults of The National Health and Nutrition Examination Survey. *Journal of diabetes research*.
- Matthews, D.R., Hosker, J.P., Rudenski, A.S., Naylor, B.A., Treacher, D.F., & Turner, R.C. 1985. Homeostasis Model Assessment: Insulin Resistance and β -Cell Function from Fasting Plasma Glucose and Insulin Concentrations in Man. 28(7), 412–9. doi:10.1007/bf00280883.
- Mazidi, M., Kengne, A.P., Katsiki, N., Mikhailidis, D.P., & Banach, M. 2018. Lipid Accumulation Product and Triglycerides/glucose Index are Useful Predictors of Insulin Resistance. *Journal of Diabetes and its Complications*, 32(3), 266-70.
- McAuley, M.T. & Mooney, K.M. 2015. Computationally Modeling Lipid Metabolism and Aging: a mini-review. *Computational and structural biotechnology journal*, 13, 38-46.
- McLaughlin, T., Abbasi, F., Cheal, K., Chu, J., Lamendola, C. & Reavan, G. 2003. Use of Metabolic Markers to Identify Overweight Individuals Who Are Insulin Resistant. *American College of Physicians. Annals of Internal Medicine* Vol. 139 No.10, 802–9.
- Melmed, S. 2022. *Acromegaly. The Pituitary*. Elsevier, United States, 449-93.
- Minh, H.V., Tien, H.A., Sinh, C.T., Thang, D.C., Chen, C.H., Tay, J.C., *et al.* 2020. Assessment of Preferred Methods to Measure Insulin Resistance in Asian Patients with Hypertension. *The Journal of Clinical Hypertension*. 23:529–37.
- National Cholesterol Education Program (NCEP). 2002. *Third Report of the National Cholesterol Education Program (NCEP) Expert Panel on Detection, Evaluation, and*

- Treatment of High Blood Cholesterol in Adults (Adult Treatment Panel III), Final Report. National Heart, Lung, and Blood Institute, National Institutes of Health.
- Nowak, C. 2017. Insulin Resistance Causes, Biomarkers, and Consequences. Digital Comprehensive Summaries of Uppsala Dissertations from the Faculty of Medicine 1316.
- Okura, T., Nakamura, R., Fujioka, Y., Kawamoto-Kitao, S., Ito, Y., Matsumoto, K., *et al.* 2018. Body Mass Index ≥ 23 is A Risk Factor for Insulin Resistance and Diabetes in Japanese People: A brief report. *Plos one*, 13(7), p.e0201052.
- Ormazabal, V., Nair, S., Elfeky, O., Aguayo, C., Salomon, C., & Zuniga, F.A. 2018. Association between Insulin Resistance and The Development of Cardiovascular Disease. *Cardiovascular Diabetology* 17, 122. <https://doi.org/10.1186/s12933-018-0762-4>.
- Otten, J., Ahren, B., & Olsson, T. 2014. Surrogate Measures of Insulin Sensitivity vs The Hyperinsulinemic-euglycaemic Clamp: a Meta-analysis. *Diabetology*, doi:10.1007/s00125-014-3285-x.
- Owei, I., Umekwe, N., Provo, C., Wan, J., & Dagogo-Jack, S. 2017. Insulin-Sensitive and Insulin-Resistant Obese and Non-Obese Phenotypes: role in prediction of incident pre-diabetes in a longitudinal biracial cohort. *BMJ Open Diabetes Research and Care*, 5(1), e000415.
- Pantoja-Torres, B., Toro-Huamanchumo, C.J., Urrunaga-Pastor, D., Guarnizo-Poma, M., Lazaro-Alcantara, H., Paico-Palacios, S., *et al.* 2018. High Triglycerides to HDL-cholesterol Ratio is Associated with Insulin Resistance in Normal-weight Healthy Adults. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*. 13: 382-8.
- Papaetis, G.S., Papakyriakou, P., & Panagiotou, T.N. 2015. Central Obesity, Type 2 Diabetes and Insulin: exploring a pathway full of thorns. *Arch Med Sci*. 11(3): 463–82.
- Paulmichl, K., Hatunic, M., Hojlund, K., Jotic, A., Krebs, M., Mitrakou, A., *et al.* 2016. Modification and Validation of The Triglyceride-to-HDL Cholesterol Ratio as a Surrogate of Insulin Sensitivity in White Juveniles and Adults without Diabetes Mellitus: The Single Point Insulin Sensitivity Estimator (SPISE). *Clinical Chemistry*, 62(9), 1211-19.
- Perhimpunan Dokter Spesialis Penyakit Dalam Indonesia (PAPDI). 2014. Dislipidemia dalam Buku Ajar Ilmu Penyakit Dalam Edisi Keenam Jilid II. Interna Publishing, 2549-50.
- Perkumpulan Endokrinologi Indonesia (Perkeni). 2019a. Pedoman Pengelolaan Dislipidemia di Indonesia 2019. Pengurus Besar Perkumpulan Endokrinologi Indonesia.
- Perkumpulan Endokrinologi Indonesia (Perkeni). 2019b. Pedoman Pengelolaan dan Pencegahan Diabetes Mellitus Tipe 2 di Indonesia 2019. Pengaruh Besar Perkumpulan Endokrinologi Indonesia.
- Petersen, M.C. & Shulman, G.I. 2018. Mechanisms of Insulin Action and Insulin Resistance. *Physiological Reviews*, 98(4), 2133-223.
- Prasad, D.S., Kabir, Z., Dash, A.K., & Das, B.C. 2012. Prevalence and Risk Factors for Metabolic Syndrome in Asian Indians: A community Study from Urban Eastern India. *Journal of Cardiovascular Disease Research* 3, 204-11.
- Puspasari, A., Maharani, C., Mus, R., Hastuti, P., Sadewa, A.H., & Setyawati, I. 2019. Biomarker Pengganti HOMA-IR untuk Mendeteksi Resistensi Insulin. *JMJ* volume 7 Nomor 2, 122-30.
- Qu, H.Q., Li, Q., Rentfro, A.R., Fisher-Hoch, S.P., & McCormick, J.B. 2011. The Definition of Insulin Resistance using HOMA-IR for Americans of Mexican Descent using Machine Learning. *PLoS One*. 6(6):e21041. doi: 10.1371/journal.pone.0021041.
- Raff, H. & Carroll, T. 2015. Cushing's Syndrome: From Physiological Principles to Diagnosis and Clinical Care. *The Journal of Physiology*. 593(3):493-506.

- Rahmayani, R., Aman, A.K., & Safril, S. 2018. The Association of Insulin Resistance and Lipid Profile Ratio in Metabolic Syndrome. *Indonesian Journal of Clinical Pathology and Medical Laboratory*. 25 (1): 1-128.
- Rifai, N., Horvath, A.R., & Wittwer C.T. 2018. *Tietz Textbook of Clinical Chemistry and Molecular Diagnostics*, 6th edition. St. Louis, Missouri: Elsevier.
- Rodwell, V.W., Bender, D.A., Botham, K.M., Kennelly, P.J., & Weil, P.A. 2018. *Harper's Illustrated Biochemistry* 31st edition. Citeseer, New York, United States: McGraw Hill.
- Samuel, V.T. & Shulman, G.I. 2016. The Pathogenesis of Insulin Resistance: Integrating Signaling Pathways and Substrate Flux. *J Clin Invest*. 126(1):12-22. doi:10.1172/JCI77812.
- Santolero, D. & Titchener, P.M. 2019. Resolving The Paradox of Hepatic Insulin Resistance. *Cellular and Molecular Gastroenterology and Hepatology* Vol. 7, No.2.
- Secioria, R.P., Yaswir, R., Desywar, D., & Efrida, E., 2023. Korelasi Rasio Trigliserida/High Density Lipoprotein dengan HOMA-IR pada Penyandang Obesitas. *Majalah Kedokteran Andalas*, 46(2), 260-6.
- Shou, J., Chen, P.J., & Xiao, W.H. 2020. Mechanism of Increased Risk of Insulin Resistance in Aging Skeletal Muscle. *Diabetology & Metabolic Syndrome*, 12, 1-10.
- Shur, N.F., Creedon, L., Skirrow, S., Atherton, P.J., MacDonald, I.A., Lund, J., *et al.* 2021. Age-Related Changes in Muscle Architecture and Metabolism in Humans: The likely contribution of physical inactivity to age-related functional decline. *Ageing Research Reviews*, 68, 101344.
- Song, K., Park, G., Lee, H.S., Choi, Y., Oh, J.S., Choi, H.S., *et al.* 2021. Prediction of Insulin Resistance by Modified Triglyceride Glucose Indices in Youth. *Life*, 11(4), 286.
- Suhaema & Masthalina, H. 2015. Pola Konsumsi dengan Terjadinya Sindrom Metabolik di Indonesia Indonesia. *Kesehatan Masyarakat Nasional* 9(4).
- Szablewski, L. 2020. Blood Glucose Levels. *BoD-Books on Demand*, IntechOpen.
- Tam, C.S., Xie W., Johnson W.D., Cefalu W.T., Redman L.M., & Ravussin, E. 2012. Defining Insulin Resistance from Hyperinsulinemic-Euglycemic Clamps. *Diabetes Care*, 35(7), 1605-1610. doi:10.2337/dc11-2339.
- Tang, Q., Li, X., Song, P., & Xu, L. 2015. Optimal Cut-off Values for The Homeostasis Model Assessment of Insulin Resistance (HOMA-IR) and Pre-Diabetes Screening: Developments in Research and Prospects for The Future. *Drug Discoveries & Therapeutics*, 9(6), 380-5. doi:10.5582/ddt.2015.01207.
- Thau, L., Gandhi, J., & Sharma, S. 2022. *Physiology, Cortisol dalam StatPearls*. Treasure Island (FL): StatPearls Publishing. Diakses pada https://www.ncbi.nlm.nih.gov/books/NBK538239/#_NBK538239_pubdet.
- Tchernof, A. & Despres, J.P. 2013. Pathophysiology of Human Visceral Obesity: an update. *Physiological reviews*.
- Unluhizarci, K., Karaca, Z., & Kelestimur, F. 2021. Role of Insulin and Insulin Resistance in Androgen Excess Disorders. *World Journal of Diabetes*, 12(5), 616.
- Wakabayashi, I. & Daimon, T. 2019. Comparison of Discrimination for Cardio-metabolic Risk by Different Cut-off Values of The Ratio of Triglycerides to HDL Cholesterol. *Lipids in Health and Disease*, 18(1), 1-10.
- Werneck, A.O., Agostinete, R.R., Cayres, S.U., Urban, J.B., Wigna, A., Chagas, L.G.D.M., *et al.* 2018. Association Between Cluster of Lifestyle Behaviors and HOMA-IR among Adolescents: ABCD Growth Study. *Medicina*, 54(6), p.96.
- Wierzbicki, A.S. & Oben, J., 2012. Nonalcoholic Fatty Liver Disease and Lipids. *Current opinion in lipidology*, 23(4),345-52.

- Wiznitzer, A., Mayer, A., Novack, V., Sheiner, E., Gilutz, H., Malhotra, A., *et al.* 2009. Association of lipid levels during gestation with preeclampsia and gestational diabetes mellitus: a population-based study. *Am J Obstet Gynecol.* 201(5): 481-8.
- Yeh, W.C., Tsao, Y.C., Li, W.C., Tzeng, I.S., Chen, L.S., & Chen, J.Y. 2019. Elevated Triglyceride-to-HDL Cholesterol Ratio is an Indicator for Insulin Resistance in Middle-Aged and Elderly Taiwanese Population: A Cross-Sectional Study. *Lipids in Health and Disease* 18:176. <https://doi.org/10.1186/s12944-019-1123-3>.
- Zhang, L., Chen, S., Deng, A., Liu, X., Liang, Y., Shao, X., *et al.* 2015. Association between Lipid Ratios and Insulin Resistance in a Chinese Population. *PLoS ONE* 10(1):e0116110. doi:10.1371/journal.pone.0116110.

