

DAFTAR PUSTAKA

- Aini, A., Nuratikah, N., Ustiawaty, J., dan Sriasih, M., 2021. Pemeriksaan Kesehatan untuk Deteksi dan Pengelolaan Diabetes Mellitus dan Hiperkolestrol. *Jurnal Pengabdian Magister Pendidikan IPA*, **4**: 0–4.
- American Diabetes Association, 2019. Standards of Medical Care in Diabetes—2019. *Abridged Standards of Care*, **37**: 11–34.
- American Diabetes Association, 2025. Diagnosis and Classification of Diabetes: Standards of Care in Diabetes—2025. *Diabetes Care*, **48**: S27–S49.
- Bardenheier, B.H., Wu, W.C., Zullo, A.R., Gravenstein, S., dan Gregg, E.W., 2021. Progression to diabetes by baseline glycemic status among middle-aged and older adults in the United States, 2006–2014. *Diabetes Research and Clinical Practice*, **174**: 108726.
- Bellou, V., Belbasis, L., Tzoulaki, I., dan Evangelou, E., 2018. Risk factors for type 2 diabetes mellitus: An exposure-wide umbrella review of meta-analyses. *PLoS ONE*, **13**: 1–27.
- Ben-Haim, Y. dan Dacso, C.C., 2024. Interpreting PPV and NPV of Diagnostic Tests with Uncertain Prevalence. *Rambam Maimonides Medical Journal*, **15**: 1–11.
- Bernabe-Ortiz, A., Perel, P., Miranda, J.J., dan Smeeth, L., 2018. Diagnostic accuracy of the Finnish Diabetes Risk Score (FINDRISC) for undiagnosed T2DM in Peruvian population. *Primary Care Diabetes*, **12**: 517–525.
- Cahyaningsih, I., Rokhman, M.R., Sudikno, Postma, M.J., dan van der Schans, J., 2025. Accuracy of the Modified Finnish Diabetes Risk Score (Modified FINDRISC) for detecting metabolic syndrome: Findings from the Indonesian national health survey. *PLoS ONE*, **20**: 1–16.
- Chan, J.C.N., Lim, L.L., Wareham, N.J., Shaw, J.E., Orchard, T.J., Zhang, P., dkk., 2020. The Lancet Commission on diabetes: using data to transform diabetes care and patient lives. *The Lancet*, **396**: 2019–2082.
- Chung, W.K., Erion, K., Florez, J.C., Hattersley, A.T., Hivert, M.F., Lee, C.G., dkk., 2020. Precision medicine in diabetes: a Consensus Report from the American Diabetes Association (ADA) and the European Association for the Study of Diabetes (EASD). *Diabetologia*, **63**: 1671–1693.
- Dall, T.M., Yang, W., Gillespie, K., Mocarski, M., Byrne, E., Cintina, I., dkk., 2019. The economic burden of elevated blood glucose levels in 2017: Diagnosed and undiagnosed diabetes, gestational diabetes mellitus, and prediabetes. *Diabetes Care*, **42**: 1661–1668.
- Doan, L., Nguyen, H.T., Nguyen, T.T.P., Phan, T.T.L., Huy, L.D., Nguyen, T.T.H., dkk., 2023. ModAsian FINDRISC as a Screening Tool for People with

- Undiagnosed Type 2 Diabetes Mellitus in Vietnam: A Community-Based Cross-Sectional Study. *Journal of Multidisciplinary Healthcare*, **16**: 439–449.
- Fawcett, T., 2006. An introduction to ROC analysis. *Pattern Recognition Letters*, **27**: 861–874.
- Fornos-Pérez, J.A., Andrés-Rodríguez, N.F., Andrés-Iglesias, J.C., Luna-Cano, R., García-Soidán, J., Lorenzo-Veiga, B., dkk., 2016. Detection of people at risk of diabetes in community pharmacies of Pontevedra (Spain) (DEDIPO). *Endocrinología y Nutrición*, **63**: 387–396.
- Gabriel, R., Acosta, T., Florez, K., Anillo, L., Navarro, E., Boukichou, N., dkk., 2021. Validation of the Finnish Type 2 Diabetes Risk Score (FINDRISC) with the OGTT in Health Care Practices in Europe. *Diabetes Research and Clinical Practice*, **178**: .
- Gong, Z. dan Muzumdar, R.H., 2012. Pancreatic Function , Type 2 Diabetes , and Metabolism in Aging. *International Journal of Endocrinology*, **2012**: 1–13.
- Goyal, R., Singhal, M., dan Jialal, I., 2023. *Type 2 Diabetes*, NCBI Bookshelf. StatPearls, Treasure Island (FL).
- Hosmer, D. dan Lemeshow, S., 2000. *Applied Logistic Regression, 2nd Edition*. Wiley-Interscience, New York.
- IDF, 2021. *Diabetes Atlas 10th Edition*, International Diabetes Federation.
- IDF, 2025. *Diabetes Atlas 11th Edition*, International Diabetes Federation.
- IHME, 2024. *Global Burden of Disease 2021: Findings from the GBD 2021 Study*. Institute for Health Metrics and Evaluation (IHME), Seattle, WA.
- Ismail, L., Materwala, H., dan Al Kaabi, J., 2021. Association of risk factors with type 2 diabetes: A systematic review. *Computational and Structural Biotechnology Journal*, **19**: 1759–1785.
- Istiningsih, T. dan Wahyuni, S., 2022. Health Checking of Blood Pressure and Random Blood Glucose in Area of Tanjung Pinang in Palangka Raya. *Jurnal Abdimas ITEKES Bali*, **1**: 137–142.
- Jang, H.N., Moon, M.K., dan Koo, B.K., 2022. Prevalence of Diabetic Retinopathy in Undiagnosed Diabetic Patients: A Nationwide Population-Based Study. *Diabetes and Metabolism Journal*, **46**: 620–629.
- Jølle, A., Midthjell, K., Holmen, J., Carlsen, S.M., Tuomilehto, J., Bjørngaard, J.H., dkk., 2019. Validity of the FINDRISC as a prediction tool for diabetes in a contemporary Norwegian population: A 10-year follow-up of the HUNT study. *BMJ Open Diabetes Research and Care*, **7**: 1–9.
- Kemenkes RI, 2023. *Survei Kesehatan Indonesia (SKI) 2023 Dalam Angka*, Kementerian Kesehatan Badan Kebijakan Pembangunan Kesehatan.

- Kesetyaningsih, T.W., Astuti, Y., dan Noor, Z., 2020. Aktivitas Fisik Rutin untuk Mencegah Penyakit Degeneratif. *BERDIKARI : Jurnal Inovasi dan Penerapan Ipteks*, **8**: 48–58.
- Kim, M.J., Lim, N.K., Choi, S.J., dan Park, H.Y., 2015. Hypertension is an independent risk factor for type 2 diabetes: The Korean genome and epidemiology study. *Hypertension Research*, **38**: 783–789.
- Kulkarni, A.M., Foraker, R.E., Mcneill, A.M., Golden, S.H., Rosamond, W.D., Duncan, B., dkk., 2017. Evaluation of the Modified FINDRISC Diabetes Score to Identify Individuals at High Risk for Diabetes among Middle-aged White and Black ARIC Study Participants. *Diabetes, Obesity and Metabolism*, **19**: 1260–1266.
- Lim, H.M., Chia, Y.C., dan Koay, Z.L., 2020. Performance of the Finnish Diabetes Risk Score (FINDRISC) and Modified Asian FINDRISC (ModAsian FINDRISC) for screening of undiagnosed type 2 diabetes mellitus and dysglycaemia in primary care. *Primary Care Diabetes*, **14**: 494–500.
- Lim, P.S., Patil, A., dan Sashankar, A., 2023. The Pancreas. *Anaesthesia and Intensive Care Medicine*, **24**: 644–649.
- Lindström, J. dan Tuomilehto, J., 2003. The Diabetes Risk Score. *Diabetes Care*, **26**: 725–731.
- Liu, Y., Feng, W., Lou, J., Qiu, W., Shen, J., Zhu, Z., dkk., 2023. Performance of a prediabetes risk prediction model: A systematic review. *Heliyon*, **9**: 1–13.
- Lwanga, S.K. dan Lemeshow, S., 1991. *Sample Size Determination in Health Studies*. World Health Organization, Geneva.
- Manne-Goehler, J., Geldsetzer, P., Agoudavi, K., Andall-Brereton, G., Aryal, K.K., Bicaba, B.W., dkk., 2019. Health system performance for people with diabetes in 28 low-and middle-income countries: A cross-sectional study of nationally representative surveys. *PLoS Medicine*, **16**: 1–21.
- Mavrogianni, C., Lambrinou, C.P., Androutsos, O., Lindström, J., Kivelä, J., Cardon, G., dkk., 2019. Evaluation of the Finnish Diabetes Risk Score as a screening tool for undiagnosed type 2 diabetes and dysglycaemia among early middle-aged adults in a large-scale European cohort. The Feel4Diabetes-study. *Diabetes Research and Clinical Practice*, **150**: 99–110.
- Mei, Z., Wang, F., Bhosle, A., Dong, D., Mehta, R., Ghazi, A., dkk., 2024. Strain-specific gut microbial signatures in type 2 diabetes identified in a cross-cohort analysis of 8,117 metagenomes. *Nature Medicine*, **30**: 2265–2276.
- Mendola, N.D., Chen, T.C., Gu, Q., Eberhardt, M.S., dan Saydah, S., 2018. Prevalence of Total, Diagnosed, and Undiagnosed Diabetes Among Adults: United States, 2013-2016. *NCHS data brief*, 1–8.
- Miao, Z., Alvarez, M., Ko, A., Bhagat, Y., Rahmani, E., Jew, B., dkk., 2020. PLOS

GENETICS The causal effect of obesity on prediabetes and insulin resistance reveals the important role of adipose tissue in insulin resistance. *PLOS Genetics*, **16**: 1–23.

- Monaghan, T.F., Rahman, S.N., Agudelo, C.W., Wein, A.J., Lazar, J.M., Everaert, K., dkk., 2021. Foundational statistical principles in medical research: Sensitivity, specificity, positive predictive value, and negative predictive value. *Medicina (Lithuania)*, **57**: 0–6.
- Murteira, R., Cary, M., Galante, H., Romano, S., Guerreiro, J.P., dan Rodrigues, A.T., 2023. Effectiveness of a collaborative diabetes screening campaign between community pharmacies and general practitioners. *Primary Care Diabetes*, **17**: 314–320.
- Naha, S., Gardner, M.J., Khangura, D., Kurukulasuriya, L.R., dan Sowers, J.R., 2021. *Hypertension in Diabetes*, NCBI Bookshelf. MDText.com Inc, South Dartmouth (MA).
- Nahm, F.S., 2022. Receiver operating characteristic curve: overview and practical use for clinicians. *Korean Journal of Anesthesiology*, **75**: 25–36.
- Nathan, D.M., Bennett, P.H., Crandall, J.P., Edelstein, S.L., Goldberg, R.B., Kahn, S.E., dkk., 2019. Does diabetes prevention translate into reduced long-term vascular complications of diabetes? *Diabetologia*, **62**: 1319–1328.
- Ningrum, D.M. dan Yuliana, D., 2021. Peran Apoteker dalam Menerapkan Standar Pelayanan Kefarmasian di Apotek Kabupaten Lombok Barat. *Jurnal Penelitian dan Kajian Ilmiah Kesehatan*, **7**: 55–64.
- Nur, M.R., Kurniawan, H., dan Ahmad, I., 2024. Professionalism Study of Pharmacist for Pharmaceutical Care in Community Pharmacy at Samarinda City. *Indonesian Journal of Pharmaceutical Science and Technology Journal Homepage*, **6**: 124–138.
- Oliveira, C.M.I., Tureck, L.V., Alvares, D., Liu, C., Horimoto, A.R.V.R., Balcells, M., dkk., 2020. Relationship between marital status and incidence of type 2 diabetes mellitus in a Brazilian rural population: The Baependi Heart Study. *PLoS ONE*, **15**: 1–10.
- Palladino, R., Tabak, A.G., Khunti, K., Valabhji, J., Majeed, A., Millett, C., dkk., 2020. Association between pre-diabetes and microvascular and macrovascular disease in newly diagnosed type 2 diabetes. *World Journal of Pediatric Surgery*, **3**: 1–11.
- Patty, Y., Mufarrihah, dan Nita, Y., 2021. Cost of illness of diabetes mellitus in Indonesia: a systematic review. *J Basic Clin Physiol Pharmacol*, **32**: 1–10.
- Pawar, S., Naik, J., Prabhu, P., Jatti, G., Jadhav, S., dan Radhe, B., 2017. Comparative evaluation of Indian Diabetes Risk Score and Finnish Diabetes Risk Score for predicting risk of diabetes mellitus type II: A teaching hospital-based survey in Maharashtra. *Journal of Family Medicine and Primary Care*,

6: 120.

- Perez, S.C., 2023. Menopause and Diabetes. *Climateric*, **26**: 216–221.
- PERKENI, 2021. *Pedoman Pengelolaan Dan Pencegahan Diabetes Melitus Tipe 2 Dewasa Di Indonesia 2021*, Perkumpulan Endokrinologi Indonesia. PB Perkeni.
- Pertiwi, P., Perwitasari, D.A., dan Satibi, S., 2021. Validation of Finnish Diabetes Risk Score Indonesia Version in Yogyakarta. *Borneo Journal of Pharmacy*, **4**: 57–67.
- Rokhman, M.R., Arifin, B., Zulkarnain, Z., Satibi, S., Perwitasari, D.A., Boersma, C., dkk., 2022. Translation and performance of the Finnish Diabetes Risk Score for detecting undiagnosed diabetes and dysglycaemia in the Indonesian population. *PLoS ONE*, **17**: 1–16.
- Ruchita, T., Surada, T., dan Kalyani, M., 2024. Assessment of risk of developing diabetes mellitus using Indian diabetes risk score (IDRS) among adult population living in an urban field practice area. *Journal of Family Medicine and Primary Care*, **13**: 5072–5076.
- Sacks, D.B., Arnold, M., Bakris, G.L., Bruns, D.E., Horvath, A.R., Lernmark, Å., dkk., 2023. Executive Summary: Guidelines and Recommendations for Laboratory Analysis in the Diagnosis and Management of Diabetes Mellitus. *Diabetes Care*, **46**: 1740–1746.
- Sapra, A. dan Bhandari, P., 2023. *Diabetes*. StatPearls, Treasure Island (FL).
- Shreffler, J. dan Huecker, M.R., 2023. *Diagnostic Testing Accuracy: Sensitivity, Specificity, Predictive Values and Likelihood Ratios*, StatPearls. StatPearls, Treasure Island (FL).
- Song, J., Lee, W.T., Park, K.A., dan Lee, J.E., 2014. Association between Risk Factors for Vascular Dementia and Adiponectin. *BioMed Research International*, 1–13.
- Spurr, S., Bally, J., Hill, P., Gray, K., Newman, P., dan Hutton, A., 2020. Exploring the prevalence of undiagnosed prediabetes, type 2 diabetes mellitus, and risk factors in adolescents: A systematic review. *Journal of Pediatric Nursing*, **50**: 94–104.
- Sugiyono, 2018. *Metode Penelitian Pendidikan: Pendekatan Kuantitatif, Kualitatif, Dan R&D*. Alfabeta, Bandung.
- Sugiyono, 2019. *Metode Penelitian Kuantitatif Kualitatif Dan R&D*. Alfabeta, Bandung.
- Sussman, J.B., Kent, D.M., Nelson, J.P., dan Hayward, R.A., 2015. Improving diabetes prevention with benefit based tailored treatment: Risk based reanalysis of diabetes prevention program. *BMJ (Online)*, **350**: 1–10.

- Tucker, L.A., 2022. Insulin Resistance and Biological Aging : The Role of Body Mass , Waist Circumference , and Inflammation. *BioMed Research International*, 1–8.
- Väättäin, S., Cederberg, H., Roine, R., Keinänen-Kiukaanniemi, S., Saramies, J., Uusitalo, H., dkk., 2016. Does future diabetes risk impair current quality of life? A cross-sectional study of health-related quality of life in relation to the Finnish diabetes risk score (FINDRISC). *PLoS ONE*, **11**: 1–15.
- Wahyuningtyas, N.S., Perwitasari, D.A., dan Satibi, S., 2021. Relationship Between Finnish Diabetic Risk Score (FINDRISC) with Health-Related Quality of Life in Yogyakarta. *Borneo Journal of Pharmacy*, **4**: 68–77.
- World Health Organization, 2016. Global Report on Diabetes.
- Youden, W.J., 1950. Index for rating diagnostic tests. *Cancer*, **3**: 32–5.
- Zhang, L., Zhang, Z., Zhang, Y., Hu, G., dan Chen, L., 2014. Evaluation of Finnish diabetes risk score in screening undiagnosed diabetes and prediabetes among U.S. adults by gender and race: NHANES 1999-2010. *PLoS ONE*, **9**: .