

DAFTAR PUSTAKA

1. Saeedi P, Petersohn I, Salpea P, Malanda B, Karuranga S, Unwin N, et al. Global and regional diabetes prevalence estimates for 2019 and projections for 2030 and 2045: Results from the International Diabetes Federation Diabetes Atlas, 9th edition. *Diabetes Res Clin Pract.* 2019 Nov 1;157.
2. Sun H, Saeedi P, Karuranga S, Pinkepank M, Ogurtsova K, Duncan BB, et al. IDF Diabetes Atlas: Global, regional and country-level diabetes prevalence estimates for 2021 and projections for 2045. *Diabetes Res Clin Pract.* 2022 Jan;183:109119.
3. Riset Kesehatan Dasar. LAPORAN RISKESDAS BANTEN 2018. 2018;
4. Nentwich MM, Ulbig MW. Diabetic retinopathy - ocular complications of diabetes mellitus. *World J Diabetes.* 2015 Apr 15;6(3):489–99.
5. Sasongko MB, Widyaputri F, Agni AN, Wardhana FS, Kotha S, Gupta P, et al. Prevalence of Diabetic Retinopathy and Blindness in Indonesian Adults With Type 2 Diabetes. *Am J Ophthalmol.* 2017 Sep;181:79–87.
6. Sabanayagam C, Khoo EYH, Lye WK, Ikram MK, Lamoureux EL, Cheng CY, et al. Diagnosis of Diabetes Mellitus Using HbA1c in Asians: Relationship Between HbA1c and Retinopathy in a Multiethnic Asian Population. *J Clin Endocrinol Metab.* 2015 Feb;100(2):689–96.
7. Basit A, Fawwad A, Abdul Basit K, Waris N, Tahir B, Siddiqui IA. Glycated hemoglobin (HbA1c) as diagnostic criteria for diabetes: the optimal cut-off points values for the Pakistani population; a study from second National

- Diabetes Survey of Pakistan (NDSP) 2016–2017. BMJ Open Diabetes Res Care. 2020 May 17;8(1):e001058.
8. Farhani F, Wahab Z, Tursinawati Y. Hubungan antara Kadar HbA1c dan Derajat Retinopati Pasien Diabetes Melitus Tipe 2 di Rumah Sakit Mata Cicendo Bandung [Internet]. Vol. 12, Jurnal Kesehatan Andalas. 2023. Available from: <http://jurnal.fk.unand.ac.id>
 9. Gapur A, Asroruddin M, Eka Pratiwi S, Zulhidya L. HUBUNGAN LAMA MENDERITA DIABETES MELITUS DAN HbA1c TERHADAP STADIUM RETINOPATI DIABETIKA DI KOTA PONTIANAK. 2016.
 10. WORLD HEALTH ORGANIZATION. Diabetes [Internet]. 2023 [cited 2023 Nov 8]; Available from: <https://www.who.int/news-room/fact-sheets/detail/diabetes>
 11. International Diabetes Federation. IDF Diabetes Atlas 10th edition [Internet]. 2021. Available from: www.diabetesatlas.org
 12. Soelistijo AS NHRASPSKMA dkk. Konsensus Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 di Indonesia. 2019.
 13. Decroli E. Diabetes Melitus Tipe 2. 2019;
 14. Tjandrawinata RR. Patogenesis Diabetes Tipe 2: Resistensi Insulin dan Defisiensi Insulin [Internet]. 2016. Available from: <https://www.researchgate.net/publication/292615802>
 15. Nawale RB, Mourya VK, Bhise SB. Non-enzymatic glycation of proteins: a cause for complications in diabetes. Indian J Biochem Biophys. 2006 Dec;43(6):337–44.

16. Cheung N, Mitchell P, Wong TY. Diabetic retinopathy. *Lancet*. 2010 Jul 10;376(9735):124–36.
17. Jacque L. Duncan; Neeti B. Parikh; Gerami D. Seitzman. DIABETIC RETINOPATHY.
18. HV Nema, Nitin Nema. Textbook of Ophthalmology. 2012;674.
19. Kim SJ, Fawzi A, Kovach JL, Patel S, Recchia FM, Sobrin L, et al. 2022-2023 Basic and Clinical Science Course, Section 12: Retina and Vitreous. 2022.
20. Early Treatment Diabetic Retinopathy Study design and baseline patient characteristics. ETDRS report number 7. *Ophthalmology*. 1991 May;98(5 Suppl):741–56.
21. B Kierstan. Diabetic retinopathy symptoms. 2022 [cited 2023 Nov 11]; Available from: <https://www.aao.org/eye-health/diseases/what-is-diabetic-retinopathy>
22. Tarr JM, Kaul K, Chopra M, Kohner EM, Chibber R. Pathophysiology of diabetic retinopathy. *ISRN Ophthalmol*. 2013;2013:343560.
23. Gabbay KH. Hyperglycemia, polyol metabolism, and complications of diabetes mellitus. *Annu Rev Med*. 1975;26:521–36.
24. Lassègue B, Clempus RE. Vascular NAD(P)H oxidases: specific features, expression, and regulation. *Am J Physiol Regul Integr Comp Physiol*. 2003 Aug;285(2):R277-97.
25. Peppa M, Vlassara H. Advanced glycation end products and diabetic complications: a general overview. *Hormones (Athens)*. 2005;4(1):28–37.

26. Ulrich P, Cerami A. Protein glycation, diabetes, and aging. *Recent Prog Horm Res.* 2001;56:1–21.
27. Zong H, Ward M, Stitt AW. AGEs, RAGE, and diabetic retinopathy. *Curr Diab Rep.* 2011 Aug;11(4):244–52.
28. Koya D, King GL. Protein kinase C activation and the development of diabetic complications. *Diabetes.* 1998 Jun;47(6):859–66.
29. Aiello LP, Bursell SE, Clermont A, Duh E, Ishii H, Takagi C, et al. Vascular endothelial growth factor-induced retinal permeability is mediated by protein kinase C in vivo and suppressed by an orally effective beta-isoform-selective inhibitor. *Diabetes.* 1997 Sep;46(9):1473–80.
30. Klein R, Lee KE, Knudtson MD, Gangnon RE, Klein BEK. Changes in visual impairment prevalence by period of diagnosis of diabetes: the Wisconsin Epidemiologic Study of Diabetic Retinopathy. *Ophthalmology.* 2009 Oct;116(10):1937–42.
31. Flaxel CJ, Adelman RA, Bailey ST, Fawzi A, Lim JI, Vemulakonda GA, et al. Diabetic Retinopathy Preferred Practice Pattern®. *Ophthalmology.* 2020 Jan 1;127(1):P66–145.
32. Yau JWY, Rogers SL, Kawasaki R, Lamoureux EL, Kowalski JW, Bek T, et al. Global Prevalence and Major Risk Factors of Diabetic Retinopathy. *Diabetes Care.* 2012 Mar 1;35(3):556–64.
33. Sheu SJ, Liu NC, Ger LP, Ho WL, Lin JY, Chen SC, et al. High HbA1c level was the most important factor associated with prevalence of diabetic retinopathy in Taiwanese type II diabetic patients with a fixed duration.

- Graefe's Archive for Clinical and Experimental Ophthalmology. 2013 Sep 17;251(9):2087–92.
34. Yun JS, Lim TS, Cha SA, Ahn YB, Song KH, Choi JA, et al. Clinical Course and Risk Factors of Diabetic Retinopathy in Patients with Type 2 Diabetes Mellitus in Korea. *Diabetes Metab J*. 2016;40(6):482.
 35. Noventi I, Damawiyah S. Faktor Risiko Retinopati Diabetika.
 36. Shah CA. Diabetic retinopathy: A comprehensive review. *Indian J Med Sci*. 2008 Dec;62(12):500–19.
 37. Lee R, Wong TY, Sabanayagam C. Epidemiology of diabetic retinopathy, diabetic macular edema and related vision loss. *Eye and Vision*. 2015 Dec 30;2(1):17.
 38. Rianita R, Bardosono S, Victor AA. Relationship between plasma lipid profile and the severity of diabetic retinopathy in type 2 diabetes patients. *Medical Journal of Indonesia*. 2008 Nov 1;221.
 39. Lima VC, Cavalieri GC, Lima MC, Nazario NO, Lima GC. Risk factors for diabetic retinopathy: a case-control study. *Int J Retina Vitreous*. 2016 Dec 12;2(1):21.
 40. Riordan-Eva, Asbury T, Whitcher JP. *Oftalmologi Umum* Vaughan dan Asbury. 2003;
 41. A Silke, D Sabine, F Jörg, M Frank. High Resolution Imaging in Microscopy and Ophthalmology [Internet]. Heidelberg, Germany; 2019 [cited 2023 Nov 12]. Available from: https://www.ncbi.nlm.nih.gov/books/NBK554044/#_ch3_Sec1_

42. cobas HbA1c Test 10 [Internet]. 2013. Available from: www.roche.com
43. Welsh KJ, Kirkman MS, Sacks DB. Role of Glycated Proteins in the Diagnosis and Management of Diabetes: Research Gaps and Future Directions. *Diabetes Care.* 2016 Aug;39(8):1299–306.
44. Beltran Del Rio M, Tiwari M, Amodu LI, Cagliani J, Rodriguez Rilo HL. Glycated Hemoglobin, Plasma Glucose, and Erythrocyte Aging. *J Diabetes Sci Technol.* 2016 Nov;10(6):1303–7.
45. Soranzo N. Genetic determinants of variability in glycated hemoglobin (HbA(1c)) in humans: review of recent progress and prospects for use in diabetes care. *Curr Diab Rep.* 2011 Dec;11(6):562–9.
46. Wang M, Hng TM. HbA1c: More than just a number. *Aust J Gen Pract.* 2021 Sep 1;50(9):628–32.
47. Hardianto D. TELAAH KOMPREHENSIF DIABETES MELITUS: KLASIFIKASI, GEJALA, DIAGNOSIS, PENCEGAHAN, DAN PENGOBATAN. *Jurnal Bioteknologi & Biosains Indonesia (JBBI).* 2021 Jan 14;7(2):304–17.
48. Hasanah N, Ikawati Apt, Z. Analisis Korelasi Gula Darah Puasa, HbA1c, dan Karakteristik Partisipan. *JURNAL MANAJEMEN DAN PELAYANAN FARMASI (Journal of Management and Pharmacy Practice).* 2021 Dec 31;11(4):240.
49. Perkeni. Pedoman Pemantauan Glukosa Darah Mandiri. 2021.
50. Geany PL, Prihatningtias R, Wildan A, Cahyono M. Correlation between HbA1c Levels and Severity of Diabetic Retinopathy. *DIPONEGORO*

- MEDICAL JOURNAL (Jurnal Kedokteran Diponegoro). 2022 Sep 6;11(5):231–6.
51. Bukke SN, Badugu RL, Gurapa R, Gopavaram SPV, Bukkacherla RT. Clinical Study on Correlation of HbA1c with Different Grades of Diabetic Retinopathy at S.V.R.R.G.G.H, Tirupati – A Hospital Based Descriptive Correlative Study. *Journal of Evidence Based Medicine and Healthcare*. 2021 Jun 7;8(23):1949–53.
 52. Iqbal AM, Jamal SF. Essential Hypertension. 2023.
 53. Kemenkes. Kategori Usia. [cited 2024 Jun 26]; Available from: <https://ayosehat.kemkes.go.id/kategori-usia/dewasa>
 54. Prevalensi dan Faktor Risiko Retinopati Diabetik pada Pasien Diabetes Melitus di Rumah Sakit Universitas Hasanuddin Makassar Authors. 2023 [cited 2024 Jul 12]; Available from: <https://jptam.org/index.php/jptam/article/view/14311>
 55. Yellien M, Laya R, Vera S. PREVALENSI RETINOPATI DIABETIK PADA PENDERITA DIABETES MELITUS DI BALAI KESEHATAN MATA MASYARAKAT (BKMM) PROPINSI SULAWESI UTARA PERIODE JANUARI – JULI 2014. 2014 [cited 2024 Jul 12]; Available from: <https://ejournal.unsrat.ac.id/index.php/eclinic/article/view/11024>
 56. Pibriyanti K, Hidayati KN. Anak perempuan dan obesitas sebagai faktor risiko kejadian kadar gula darah tinggi pada anak sekolah dasar. *Jurnal Gizi Indonesia (The Indonesian Journal of Nutrition)*. 2018 Aug 1;6(2):90–3.

57. Geany PL, Prihatningtias R, Wildan A, Cahyono M. Correlation between HbA1c Levels and Severity of Diabetic Retinopathy. DIPONEGORO MEDICAL JOURNAL (Jurnal Kedokteran Diponegoro). 2022 Sep 6;11(5):231–6.
58. Suastika K, Dwipayana P, Siswadi M, Tuty RA. Age is an Important Risk Factor for Type 2 Diabetes Mellitus and Cardiovascular Diseases. In: Glucose Tolerance. InTech; 2012.
59. Kim HU, Park SP, Kim YK. Long-term HbA1c variability and the development and progression of diabetic retinopathy in subjects with type 2 diabetes. Sci Rep. 2021 Feb 26;11(1):4731.
60. Waris A et al. Correlation of diabetic retinopathy with hypertension. 2016;395–7.
61. Omodanisi EI, Tomose Y, Okeleye BI, Ntwampe SKO, Aboua YG. Prevalence of Dyslipidaemia among Type 2 Diabetes Mellitus Patients in the Western Cape, South Africa. Int J Environ Res Public Health. 2020 Nov 24;17(23):8735.
62. Aisyah Primaputri, Sri Irmandha, Karim M, Prema Hapsari, Surdam Z, Rismayanti, et al. Hubungan Jenis Retinopati Diabetik dengan Lama Menderita Diabetes Melitus dan Kadar HbA1C. Fakumi Medical Journal: Jurnal Mahasiswa Kedokteran. 2022 Aug 31;2(8):585–91.
63. Cohen SR, Gardner TW. Diabetic Retinopathy and Diabetic Macular Edema. In 2016. p. 137–46.

64. Rodríguez ML, Pérez S, Mena-Mollá S, Desco MC, Ortega ÁL. Oxidative Stress and Microvascular Alterations in Diabetic Retinopathy: Future Therapies. *Oxid Med Cell Longev*. 2019 Nov 11;2019:1–18.
65. Thomas RL, Dunstan FD, Luzio SD, Chowdhury SR, North R V, Hale SL, et al. Prevalence of diabetic retinopathy within a national diabetic retinopathy screening service. *British Journal of Ophthalmology*. 2015 Jan;99(1):64–8.
66. Liu J, Hu H, Qiu S, Wang D, Liu J, Du Z, et al. The Prevalence and Risk Factors of Diabetic Retinopathy: Screening and Prophylaxis Project in 6 Provinces of China. *Diabetes Metab Syndr Obes*. 2022 Sep;Volume 15:2911–25.