

DAFTAR PUSTAKA

- American Diabetes Association. 2021. Classification and diagnosis of diabetes: Standards of medical care in diabetes. *Diabetes Care*, 44, S15–S33.
- Australian Diabetes Society. 2008. *Guidelines for the Management of Diabetic Retinopathy*. National Health and Medical Research Council Act.
- Cheung, N., Mitchell, P., Wong, T.Y. 2010. Diabetic retinopathy. *Lancet*, 376, 124–136.
- Early Treatment Diabetic Retinopathy Study Research Group. 1991. Grading Diabetic Retinopathy from Stereoscopic Color Fundus Photographs — An Extension of the Modified Airlie House Classification: ETDRS Report Number 10. *Ophthalmology*, 98, S99–S119.
- Fenner, B.J., Wong, R.L.M., Lam, W.C., Tan, G.S.W., Cheung, G.C.M. 2018. Advances in Retinal Imaging and Applications in Diabetic Retinopathy Screening: A Review. *Ophthalmol. Ther.*, 7, 333–346.
- Haddock, L.J., Kim, D.Y., Mukai, S. 2013. Simple, inexpensive technique for high-quality smartphone fundus photography in human and animal eyes. *J. Ophthalmol.* 2013, 1–6.
- Huang, O.S., Lamoureux, E.L., Tay, W.T., Tai, E.S., Wang, J.J., Wong, T.Y. 2010. Glycemic and blood pressure control in an Asian Malay population with diabetes and diabetic retinopathy. *Arch. Ophthalmol.*, 128, 1185–1190.
- Huang, O.S., Tay, W.T., Ong, P.G., Sabanayagam, C., Cheng, C.Y., Tan, G.S., Cheung, G.C.M., Lamoureux, E.L., Wong, T.Y. 2015. Prevalence and determinants of undiagnosed diabetic retinopathy and vision-threatening retinopathy in a multiethnic Asian cohort: The Singapore Epidemiology of Eye Diseases (SEED) study. *Br. J. Ophthalmol.*, 99, 1614–1621.
- International Diabetes Federation. 2019. *IDF Diabetes Atlas, 9th ed.* International Diabetes Federation.
- Karakaya, M., Hacisoftaglu, R.E. 2020. Comparison of smartphone-based retinal imaging systems for diabetic retinopathy detection using deep learning. *BMC Bioinformatics*, 21, 1–18.
- Kim, T.N., Myers, F., Reber, C., Loury, P.J., Loumou, P., Webster, D., Echanique, C., Li, P., Davila, J.R., Maamari, R.N., Switz, N.A., Keenan, J., Woodward, M.A.,

- Paulus, Y.M., Margolis, T., Fletcher, D.A. 2018. A ponsel cerdas-based tool for rapid, portable, and automated wide-field retinal imaging. *Transl. Vis. Sci. Technol.*, 7.
- Lord, R.K., Shah, V.A., San Filippo, A.N., Krishna, R. 2010. Novel Uses of Smartphones in Ophthalmology. *Ophthalmology*, 117, 2008–2011.
- Micheletti, J.M., Hendrick, A.M., Khan, F.N., Ziemer, D.C., Pasquel, F.J. 2016. Current and Next Generation Portable Screening Devices for Diabetic Retinopathy. *J. Diabetes Sci. Technol.*, 10, 295–300.
- Murgatroyd, H., Ellingford, A., Cox, A., Binnie, M., Ellis, J.D., MacEwen, C.J., Leese, G.P. 2004. Effect of mydriasis and different field strategies on digital image screening of diabetic eye disease. *Br. J. Ophthalmol.*, 88, 920–924.
- Panwar, N., Huang, P., Lee, J., Keane, P.A., Chuan, T.S., Richhariya, A., Teoh, S., Lim, T.H., Agrawal, R. 2016. Fundus photography in the 21st century -a review of recent technological advances and their implications for worldwide healthcare. *Telemed. e-Health*, 22, 198–208.
- PP Perdami, 2018
- Rajalakshmi, R., Arulmalar, S., Usha, M., Prathiba, V., Kareemuddin, K.S., Anjana, R.M., Mohan, V. 2015. Validation of smartphone based retinal photography for diabetic retinopathy screening. *PLoS One*, 10, 1–10.
- Rajalakshmi, R., Subashini, R., Anjana, R.M., Mohan, V. 2018. Automated diabetic retinopathy detection in ponsel smartphone fundus photography using artificial intelligence. *Eye*, 32, 1138–1144.
- Rif'Ati, L., Halim, A., Lestari, Y.D., Moeloek, N.F., Limburg, H., 2020. Blindness and Visual Impairment Situation in Indonesia Based on Rapid Assessment of Avoidable Blindness Surveys in 15 Provinces. *Ophthalmic Epidemiol.*, 2020, 1-12
- Russo, A., Morescalchi, F., Costagliola, C., Delcassi, L., Semeraro, F. 2015. Comparison of smartphone ophthalmoscopy with slit-lamp biomicroscopy for grading diabetic retinopathy. *Am. J. Ophthalmol.*, 159, 360-364.e1.
- Ryan, M.E., Rajalakshmi, R., Prathiba, V., Anjana, R.M., Ranjani, H., Narayan, K.M.V., Olsen, T.W., Mohan, V., Ward, L.A., Lynn, M.J., Hendrick, A.M. 2015. Comparison among methods of retinopathy assessment (CAMRA) study: Smartphone, nonmydriatic, and mydriatic photography. *Ophthalmology*, 122,

2038–2043.

- Sengupta, S., Sindal, M.D., Baskaran, P., Pan, U., Venkatesh, R. 2019. Sensitivity and Specificity of Smartphone-Based Retinal Imaging for Diabetic Retinopathy: A Comparative Study. *Ophthalmol. Retin.*, 3, 146–153.
- Scanlon, P., H. 2017. The English National Screening Programme for diabetic retinopathy 2003-2016. *Acta diabetologica*, 54(6), 515–525.
- Schwartz, S.S., Epstein, S., Corkey, B.E., Grant, S.F.A., Gavin, J.R., Aguilar, R.B. 2016. The time is right for a new classification system for diabetes: Rationale and implications of the β -cell-centric classification schema. *Diabetes Care*, 39, 179–186.
- Soelistijo, S.A., Lindarto, D., Decroli, E., Permana, H., Sucipto, K.W., Kusnadi, Y., Budiman, Ikhsan, R. 2021. Pedoman pengelolaan dan pencegahan diabetes melitus tipe 2 dewasa di Indonesia 2021. *Perkumpulan Endokrinol. Indones.*, 1–117.
- Suhardjo dan Agni, A.N. 2017. *Buku Ilmu Kesehatan Mata. 3rd ed.* Yogyakarta: Departemen Ilmu Kesehatan Mata Fakultas Kedokteran Universitas Gadjah Mada.
- Scanlon PH, Malhotra R, Thomas G, Foy C, Kirkpatrick JN, Lewis-Barned N, Harney B, Aldington SJ. The effectiveness of screening for diabetic retinopathy by digital imaging photography and technician ophthalmoscopy. *Diabetic medicine*. 2003 Jun;20(6):467-74.
- Switania, A., dan Halim, A. 2019. Risk factors of diabetic retinopathy and vision threatening diabetic retinopathy based on diabetes retinopathy screening program in Greater Bandung, West Java. unpublished manuscript.
- Toy, B.C., Myung, D.J., Pan, C.K., Chang, R.T., Polkinhorne, A., Merrell, D., Foster, D., Blumenkranz, M.S. 2016. Smartphone-Based Dilated Fundus Photography and Near Visual Acuity Testing as Inexpensive Screening Tools to Detect Referral Warranted Diabetic Eye Disease. *Retina*, 36, 1000–1008.
- Yau, J.W.Y., Rogers, S.L., Kawasaki, R., Lamoureux, E.L., et al. 2012. Global prevalence and major risk factors of diabetic retinopathy. *Diabetes Care*, 35, 556–564.
- Wilkinson, C.P., Ferris, F.L., Klein, R.E., Lee, P.P., Agardh, C.D., Davis, M., Dills, D., Kampik, A., Pararajasegaram, R., Verdager, J.T., Lum, F. 2003. Proposed international clinical diabetic retinopathy and diabetic macular edema disease

severity scales. *Ophthalmology*, 110, 1677–1682.

Wong, T.Y., Sun, J., Kawasaki, R., Ruamviboonsuk, P., Gupta, N., Lansingh, V.C., Maia, M., Mathenge, W., Moreker, S., Muqit, M.M.K., Resnikoff, S., Verdaguer, J., Zhao, P., Ferris, F., Aiello, L.P., Taylor, H.R. 2018. Guidelines on Diabetic Eye Care: The International Council of Ophthalmology Recommendations for Screening, Follow-up, Referral, and Treatment Based on Resource Settings. *Ophthalmology*, 125, 1608–1622.

World Health Organization. 2020. *Strengthening diagnosis and treatment of diabetic retinopathy in the South-East Asia Region*. World Health Organization Regional Office for South-East Asia.