DAFTAR PUSTAKA

Adamis, P. 2002. Is diabetic retinopathy an inflammatory disease? *The British journal of ophthalmology*, 86(4): 363–365.

Ahnadi, C.E., Chapman, E.S., Lépine, M., Okrongly, D., Pujol-moix, N., Hernández, A., Boughrassa, F. & Grant, A.M. 2003. Assessment of platelet activation in several different anticoagulants by the Advia 120 Hematology System, fluorescence flow cytometry, and electron microscopy. *Thrombosis Haemostasis*, 90: 940–948.

Anonymous. 2004. *Operator's Guide Advia 120 Hematology System*. New York.

Beard, M.J., Jeewa, Z., Bashir, S., Cardigan, R. & Thomas, S. 2011. Comparison of platelet activation in platelet concentrates measured by flow cytometry or ADVIA 2120. *Vox Sanguinis*, 101(2): 122–130.

Boos, C.J., Beevers, G.D. & Lip, G.Y.H. 2007. Assessment of platelet activation indices using the ADVIATM 120 amongst 'high-risk' patients with hypertension. *Deutsche Apotheker Zeitung*, (39): 72–78.

Boulton, M. & Cai, J. 2002. The pathogenesis of diabetic retinopathy: old concepts and new questions. *Eye*, 16: 242–260.

Braekkan, S., Mathiesen, E., Njolstad, I., Wilsgaard, T., Stormers, J. & Hansen, B. 2010. Mean platelet volume is a risk factor for venous thromboembolism : the Tromsø study. *Journal of Thrombosis and Haemostasis*, 8: 157–162.

Brooks, Z. 2001. *Performance-Driven Quality Control*. Washington.

Brummit, D. & Barker, H.F. 2000. The determination of a reference range for new platelet parameters produced by the Bayer ADVIA TM 120 full blood count analyser. *Clin. Lab. Haem.*, (22): 103–107.

Caldwell, R.B., Bartoli, M., Behzadian, M.A., El-Remessy, A.E.B., Al-Shabrawey, M., Platt, D.H. & Caldwell, R.W. 2003. Vascular endothelial growth factor and diabetic retinopathy: Pathophysiological mechanisms and treatment perspectives. *Diabetes/Metabolism Research and Reviews*, 19(6): 442–455.

Chung, I., Choudhury, A. & Lip, G.Y.H. 2007. Platelet activation in acute, decompensated congestive heart failure. *Thrombosis Research*, 120(5): 709–713.

Citirik, M., Beyazyildiz, E., Simsek, M., Beyazyildiz, O. & Haznedaroglu, I.C. 2015. MPV may reflect subcinical platelet activation in diabetic patients with and without diabetic retinopathy. *Eye (Basingstoke)*, 29(3): 376–379.

Ciulla, T.A., Amador, A.G. & Zinman, B. 2003. Diabetic retinopathy and diabetic macular edema: Pathophysiology, screening, and novel therapies. *Diabetes Care*, 26(9): 2653–2664.

Dahlan, S. 2011. Statistika Untuk Kedokteran dan Kesehatan. In *Salemba Medika*. Jakarta: 167–174.

Davì, G. & Patrono, C. 2007. Platelet Activation and Atherothrombosis. *New England Journal of Medicine*, 357(24): 2482–2494.

Demirtunc, R., Duman, D., Basar, M., Bilgi, M., Teomete, M. & Garip, T. 2009. The relationship between glycemic control and platelet activity in type 2 diabetes mellitus. *Journal of Diabetes and its Complications*, 23(2): 89–94.

Diaz-Ricart, M., Brunso, L., Pino, M., Navalon, F., Jou, J.M., Heras, M., White, J.G. & Escolar, G. 2010. Preanalytical treatment of EDTA-anticoagulated blood to ensure stabilization of the mean platelet volume and component measured with the ADVIA counters. *Thrombosis Research*, 126(1): e30–e35.

Fritsma, G.A. 2016. Quality assurance in Hematology and Hemostasis Testing. In E. M. Keohane, L. J. Smith, & J. M. Walenga, eds. *Rodak's Hematology Clinical Principles and Applications*. Missiouri: elsevier Saunders: 42–61.

Ghahremanfard, F., Semnani, V., Ghorbani, R., Malek, F., Behzadfar, A. & Zahmatkesh, M. 2015. Effects of cigarette smoking on morphological features of platelets in healthy men. *Saudi Medical Journal*, 36(7): 847–850.

Giacomini, A., Legovini, P., Gessoni, G., Antico, F., Valverde, S., Salvadego, M. & Manoni, F. 2001. Platelet count and parameters determined by the Bayer ADVIA TM 120 in reference subjects and patients. *Clin. Lab. Haem*, (23): 181–186.

Güngör, A.A., Gürsoy, G., Güngör, F., Bayram, S.M. & Atalay, E. 2016. The relationship of mean platelet volume with retinopathy in type 2 diabetes mellitus. *Turkish Journal of Medical Sciences*, 46(5): 1292–1299.

Harris, N., Kunicka, J. & Kratz, A. 2005. The ADVIA 2120 Hematology System: Flow Cytometry-Based Analysis of Blood and Body Fluids in the Routine Hematology Laboratory. *Laboratory Hematology*, 11(1): 47–61.

Hayward, L., Burden, L., Karwatowski, W.S.S., Duke, T. & Chang, Y.F. 2002. What is the prevalence of visual impairment in the general and diabetic populations: are there ethnic and gender differences? *Diabetic Medicine*, 19: 27–34.

IDF comittee. 2017. *IDF Diabetes Atlas*. 8th ed. S. Karuranga, J. dR Fernandes, Y. Huang, & M. Belma, eds. www.diabetesatlas.org.

Jones, C.I. 2016. Platelet function and ageing. *Mammalian Genome*, 27(7): 358–366.

Kajiwara, A., Miyagawa, H., Saruwatari, J., Kita, A. & Sakata, M. 2014. Gender differences in the incidence and progression of diabetic retinopathy among Japanese patients with type 2 diabetes mellitus : A clinic-based retrospective longitudinal study. *Diabetes Research and Clinical Practice*, 103(3): e7–e10.

Kakouros, N., Rade, J.J., Kourliouros, A. & Resar, J.R. 2011. Platelet function in patients with diabetes mellitus: From a theoretical to a practical perspective. *International Journal of Endocrinology*, 2011: 1–14.

Kollias, A.N. & Ulbig, M.W. 2010. Diabetic Retinopathy. EarlyDiagnosis, and EarlyTreatment. *Dtsch Arztebl Int*, 107(5): 75–84.

Lehner, J., Greve, B. & Cassens, U. 2007. Automation in Hematology. *Transfus Med Hemother*, 34: 328–339.

Longanbach, S., Chapman, D., Waldron, K. & Miers, M. 2007. Automated Cell Counting Instrumentation and Point of Care Testing. In B. Rodak, G. Fritsma, & K. Doig, eds. *Hematology Clinical Principles and Applications*. Philadelphia: Elsevier: 541–545.

Lorenzi, M. 2007. The polyol pathway as a mechanism for diabetic retinopathy: Attractive, elusive, and resilient. *Experimental Diabesity Research*, 2007: 1–10.

Lorenzi, M. & Cagliero, E. 1973. Pathobiology of Endothelial and Other Vascular Cells in Diabetes Mellitus. *Diabetes*, 40: 653–659.

McCannel, C., Atebara, N.H., Kim, S.J. & Leonard, B.C. 2016. *Retina and Vitreous*. *Basic and Clinical Science Course*. San Francisco: European Board of Ophtalmology.

Mohan, J.S., Lip, G.Y.H., Bareford, D. & Blann, A.D. 2006. Platelet P-selectin and platelet mass, volume and component in sickle cell disease: Relationship to genotype. *Thrombosis Research*, 117(6): 623–629.

Monti, M.C., Lonsdale, J.T., Montomoli, C., Montross, R., Schlag, E., Greenberg, D.A., Genetics, S., M, D.B.M.C. & Psychiatry, D.A.G. 2007. Familial Risk Factors for Microvascular Complications and Differential Male-Female Risk in a Large Cohort of American Families with Type 1 Diabetes. *The Journal of Clinical Endocrinology & MEtabolism*, 92(12): 4650–4655.

Nadar, S., Blann, A.D. & Lip, G.Y.H. 2004. Platelet morphology and plasma indices of platelet activation in essential hypertension: Effects of amlodipine-based antihypertensive therapy. *Annals of Medicine*, 36(7): 552–557.

Nirmalan, P.K., Katz, J., Robin, A. & Tielsch, J. 2004. Prevalence of Vitreoretinal Disorders in a Rural Population of SouthernIndia. *Archives of Ophthalmology*, 122(4): 581–586.

Parvathaneni, K., Grigsby, J.G., Betts, B.S. & Tsin, A.T. 2013. Estrogen-Induced Retinal Endothelial Cell Proliferation: Possible Involvement of Pigment Epithelium-Derived Factor and Phosphoinositide 3-Kinase/Mitogen-Activated Protein Kinase Pathways. *journal of ocular pharmacology and therapeutics*, 29(1): 27–32.

Pedreno, J., Cameho-Hurt, E., Wiklund, O., Badimon, L. & Masana, L. 2000. Platelet function in patients with familial hypertriglyseridemia: evidence than platelet reactivity is modulated by apolipoprotein E content of very low density lipoprotein particles. *Metabolism*, 49(7): 942–949.

Prins, M., Leeuwen, M. & Teske, E. 2009. Stability and reproducibility of ADVIA120-measured red blood cell and platelet parameters in dogs, cats and horses, adn the use of reticulocyte haemoglobin content (SHR) in the diagnosis of iron deficiensy. *Journal of veterinary*, 134: 272–278.

Raman, R., Ganesan, S., Pal, S.S., Gella, L., Kulothungan, V. & Sharma, T. 2017. Incidence and Progression of Diabetic Retinopathy in Urban India: Sankara Nethralaya-Diabetic Retinopathy Epidemiology and Molecular Genetics Study (SN-DREAMS II), Report 1. *Ophthalmic Epidemiology*, 24(5): 294–302.

Raman, R., Rani, P.K., Rachepalle, S.R., Gnanamoorthy, P., Uthra, S. & Kumaramanickavel, G. 2008. Prevalence of Diabetic Retinopathy in India Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetics Study Report 2. *OPHTHA*, 116(2): 311–318.

Reed, G.L. 2007. Platelet Secretion. In A. D. Michelson, ed. *Platelet*. Canada: Elsevier Science: 309–314.

Rema, M., Premkumar, S., Anitha, B., Deepa, R., Pradeepa, R. & Mohan, V. 2005. Prevalence of diabetic retinopathy in urban India: The Chennai Urban Rural Epidemiology Study (CURES) Eye Study, I. *Investigative Ophthalmology and Visual Science*, 46(7): 2328–2333.

Sandhaus, L.M., Osei, E.S., Agrawal, N.N., Dillman, C.A., Ascp, M.T. & Meyerson, H.J. 2002. Platelet Counting by the Coulter LH 750 , Sysmex XE 2100 , and Advia 120 A Comparative Analysis Using the RBC / Platelet Ratio Reference Method. : 235–241.

Sasongko, M.B., Widyaputri, F., Agni, A.N., Wardhana, F.S., Kotha, S., Gupta, P., Widayanti, T.W., Haryanto, S., Widyaningrum, R., Wong, T.Y., Kawasaki, R. & Wang, J.J. 2017. Prevalence of Diabetic Retinopathy and Blindness in Indonesian Adults With Type 2 Diabetes. *American Journal of Ophthalmology*, 181: 79–87.

Schneider, D.J. 2009. Factors contributing to increased platelet reactivity in people with diabetes. *Diabetes Care*, 32(4): 525–527.

Seon, B.H., Jongwook, L., Hwan, R.K. & Jongwook, K. 2003. Platelet Activation in Patient with Diabetic Retinopathy. *Korean Journal Ophtalmology*, 17: 140–144.

Singh, V.P., Bali, A., Singh, N. & Jaggi, S. 2014. Advanced glycation end products and Diabetic Complications. *Korean J Physiol Pharmacol*, 18: 1–14.

Sobol, A.B. & Watala, C. 2000. The role of platelets in diabetes-related vascular complications. *Diabetes Research and Clinical Practice*, 50(1): 1–16.

Song, Y.H., Park, S.H., Kim, J.E., Ahn, J.Y., Seo, Y.H., Park, P.H. & Kim, K.H. 2009. Evaluation of platelet indices for differential diagnosis of thrombocytosis by ADVIA 120. *Korean Journal of Laboratory Medicine*, 29(6): 505–509.

Stratmann, B., Barbara, M. & Tschoepe, D. 2007. Diabetes Mellitus. In A. D. Michelson, ed. *Platelet*. Canada: Elsevier Science: 697–704.

Vinik, A.I., Erbas, T., Park, T.S., Nolan, R. & Pittenger, G.L. 2001. Platelet dysfunction in type 2 diabetes. *Diabetes care*, 24(8): 1476–1485.

Whiting, D.R., Guariguata, L., Weil, C. & Shaw, J. 2011. IDF Diabetes Atlas: Global estimates of the prevalence of diabetes for 2011 and 2030. *Diabetes Research and Clinical Practice*, 94(3): 311–321.

Wolberg, A.., Aleman, M.M., Leiderman, K. & Machlus, K.. 2012. Procoagulant Activity in Hemostasis and Thrombosis: Virchow's Triad Revisited. *Anesth analg*., 114(2): 275–285.

Wong, T.Y., Cheung, N., Tay, W.T., Wang, J.J., Aung, T., Saw, S.M., Lim, S.C., Tai, E.S. & Mitchell, P. 2008. Prevalence and Risk Factors for Diabetic Retinopathy The Singapore Malay Eye Study. *Journal of Ophthalmology*, 115: 1869–1875.

Yamashiro, K., Tsujikawa, A., Ishida, S., Usui, T., Kaji, Y., Honda, Y., Ogura, Y. & Adamis, A.P. 2003. Platelets accumulate in the diabetic retinal vasculature following endothelial death and suppress blood-retinal barrier breakdown. *American Journal of Pathology*, 163(1): 253–259.

Yilmaz, T. & Yilmaz, A. 2016. Relationship between Altered Platelet Morphological Parameters and Retinopathy in Patients with Type 2 Diabetes Mellitus. *Journal of Ophthalmology*, 2016: 1–5.

Yun, J., Lim, T., Cha, S., Ahn, Y., Song, K., Choi, J.A., Kwon, J. & Jee, D. 2016. Clinical Course and Risk Factors of Diabetic Retinopathy in Patients with Type 2 Diabetes Mellitus in Korea. : 482–492.

Ze-Long, Z., Mei, H. & Song, C. 2011. Risk factors associated with retinal neovascularization of diabetic retinopathy in type 2 diabetes mellitus. *International Journal ophtalmology*, 4(2): 182–5.

Zhang, Y., Howard, B. V, Cowan, L., Yeh, J., Schaefer, C. & Wild, R.A. 2002. The Effect of Estrogen Use on Levels of Glucose and Insulin and the Risk of Type 2 Diabetes in American Indian Postmenopausal Women. *Diabetes Care*, 25(3): 500–504.