



## DAFTAR PUSTAKA

- Abro, A.H., Abdou, A.M.S., Gangwani, J.L., Ustadi, A.M., Younis, N.J., Hussaini, H.S. 2009. Hematological and Biochemical Changes in Typhoid Fever. *Pak J Med Sci* 25(2):166-171.
- Ahnadi, C.E., Chapman, E.S., Okrongly, D., Hoang, T., Lucena-Fernandes, F., dan Grant, A.M. 1998. Evaluation of Platelet Activation in Patients with Chest Pain by the ADVIA® 120 Hematology System. *Bayer Corporation, Business Group Diagnostics*.
- Ahnadi, C.E., Chapman, E.S., Lepine M., Okrongly, D., Pujol-Moix N., Hernandez A., Boughrassa F., Grant A.M. 2003. Assessment of platelet activation in several different anticoagulant by the Advia 120 Hematology System, fluorescence flow cytometry, and electron microscopy. *Thromb Haemost* 90:940-8.
- Ansari, S., Khoharo, H.K., Abro, A., Akhund, I.A., Qureshi, F. 2009. Thrombocytopenia in Plasmodium Falciparum Malaria. *J Ayub Med Coll Abbottabad*;21(2):145-147.
- Avirutnan, P., Malasit, P., Seliger, B., Bhakdi, S., Husmann, M. 1998. Dengue virus infection of human endothelial cells leads to chemokine production, complement activation, and apoptosis. *J Immunol* 161: 6338-6346.
- Bancroft, A.J., Abel, E.W., McLaren, M. & Belch, J.J. 2000. Mean platelet volume is a useful parameter: a reproducible routine method using a modified Coulter thrombocytometer. *Platelets*; 11: 379-387
- Bhamarapravati, N. 1989. Hemostatic Defects in Dengue Hemorrhagic Fever, *rev Infect Dis* 11 Supp 14: S826-9.
- Bozza, F.A. *et al.* 2008. Multiplex cytokine profile from dengue patients: MIP-1 beta and IFN-gamma as predictive factors for severity. *BMC infect. Dis.* 8,86
- Brasier, A.R., Ju, H., Garcia, J., Spratt, H.M., Victor, S.S., Forshey, B.M, *et al.* 2012. A Three-Component Biomarker Panel for Prediction of Dengue Hemorrhagic Fever. *Am. J. Trop. Med. Hyg.* 86(2):341-348.
- Breen, E., Pemmulu, I., Ong, D.S.H., Sekaran, S.D., Appana, P., Tew, T.H., *et al.* 2012. Early predictors of dengue infection in adults (EPOD) – a Malaysian outpatient experience. *Dengue Bulletin* 36(0);105-115.
- Chapman, E.S. Hetherington, E., dan Zelmanovic, D. 1998. ADVIA® 120 Hematology System: A New View of Activated Platelets. *Bayer Corporation, Business Group Diagnostics*.
- Chapman ES, Sorette M, Hetherington E, Zelmanovic D, Kling G, Dugailliez J, *et al.* 2003. A Rapid, Automated Flow Cytometric Method to Measure Activated Degranulated Platelets by Density Determination. *Thromb Haemost* 89:1004-15.
- Cheng, H.J. *et al.* 2009. Anti-dengue virus nonstructural protein 1 antibodies recognize protein disulfide isomerase on platelets and inhibit platelet aggregation. *Mol. Immunol.* 47: 398-406.



- CLSI. 2006. Statistical quality control for quantitative measurements: principles and definitions; approved guideline C24-A3. Wayne, Pa: Clinical and Laboratory Standards Institute.
- Ertem, D., Acar, Y., Arat, C., Pehlivanoglu. 1999. Thrombotic and thrombocytopenic complications secondary to hepatitis A infection in children. *Am J Gastroenterol*; 94(0):3653-3655
- Ghosh, K. *et al.* 2008. Imaging the interaction between dengue 2 virus and human blood platelets using atomic force and electron microscopy. *J. Electron Microsc. (Tokyo)* 57: 113–118.
- Ghoshal, K., Bhattacharyya, M. 2014. Overview of Platelet Physiology: Its Hemostatic and Nonhemostatic Role in Disease Pathogenesis. *The Scientific World Journal*.
- Giacomini, A., Legovini, P., Gessoni, G., Antico, F., Valverde, S., Salvadego, M.M., Manoni, F. 2001. Platelet count and parameters determined by the Bayer ADVIA 120 in reference subjects and patients. *Clinical and Laboratory Haematology*; 23: 181-186.
- Gunawan, S., Sutantu, F.C., Tatura S.N.N., Mantik, M.F.J. 2010. *Platelet Distribution Width dan Mean Platelet Volume: Hubungan dengan Derajat Penyakit Demam Berdarah Dengue*. *Sari Pediatri*; 12(2): 74-7.
- Gupta, P. *et al.* 2010. Assesment of World Health Organization. Definition of Dengue Hemorrhagic Fever in North India. *J Infect Dev Ctries*, 4(3): 150-155.
- Guzmán, M.G., Kouri, G.P., Bravo, J., Soler, M., Vazquez, S., Morier, L. 1990. Dengue hemorrhagic fever in Cuba, 1981: a retrospective seroepidemiologic study. *Am J Trop Med Hyg.* 42(2):179-84.
- Honda, S. *et al.* 2009. Increased phagocytosis of platelet from patients with secondary dengue virus infection by human macrophages. *Am. J. Trop. Med. Hyg.* 80: 841-845.
- Hottz, E., Tolley, N.D., Zimmerman, G.A., Weyrich, A.S., Bozza, F.A. 2011. Platelets in dengue infection. *Drug Discovery Today: Disease Mechanisms, Haematology* 8(1-2):e33-38.
- Hottz, E.D. *et al.* 2013. Dengue Induces Platelet Activation, Mitochondrial Dysfunction and Cell Death through Mechanisms that Involve DC-SIGN and Caspases. *J Thromb Haemost.* 11(5): 951-962.
- Idrees, S and Ashfaq, U.A. 2012. A brief review on dengue molecular virology, diagnosis, treatment and prevalence in Pakistan. *Genetic Vaccines and Therapy*; 10:6.
- Ifran, A., Hasimi, A., Kaptan, K., Nevruz, O., Beyan, C., Erbil, K. 2005. Evaluation of platelet parameters in healthy apheresis donors using the ADVIA 120<sup>TM</sup>. *Transfusion and Apheresis Science*; 33: 87-90.
- Kaito, K., Otsubo, H., Usui, N., Yoshida, M., Tanno, J., Kurihara, E., Matsumoto, K., Hirata, R., Domitsu, K., & Robayashi, M. 2005. Platelet zise deviation width, platelet large cell ratio, and mean platelet volume have sufficient sensitivity and specificity in the diagnosis of immune thrombocytopenia. *British Journal of Haematology*; 128: 698-702.



- Kemenkes, 2010. Topik Utama: Demam Berdarah Dengue. Pusat Data dan Surveilans Epidemiologi. *Jurnal Epidemiologi* 2: 1-6.
- Kementrian Kesehatan RI. 2013. Profil Kesehatan Indonesia 2012. Katalog dalam Terbitan Kementerian Kesehatan RI.
- Kemenkes, 2014. Subdirektorat Pengendalian Arbovirosis – Dit PPBB -Ditjen PP dan PL. Informasi Umum Demam Berdarah Dengue; 121-25
- Khan, A.H., Hayat, A.S., Baloch, G.H., Shaikh, N., Ghori, RA. 2012. Thrombocytopenia: A Predictor of Falciparum Malaria at Tertiary Care Hospital. *World Appl Sci J* 19 (2): 159-162.
- Khongphatthanayothin, A., Phumaphuti, P., Thongchaiprasit, K., Poovorawan, Y. 2006. Serum Level of sICAM-1 and sE-Selectin in Patients with Dengue Virus Infection. *Jpn. J. Infect. Dis*; 59: 186-188.
- Kim, H.K., Kim, J.E., Ham, C.K., Lee, D.S., Park, S., Cho, H.I. 2008. Prgnostic value of platelet indices as determined by ADVIA 120 in patients suspected of having disseminated intravasclar coagulation. *Int. Jnl. Lab. Hem*; 30: 117-123.
- Kim, M.J., Park, P.W., Seo, Y.H., Kim, K.H., Seo, J.Y., Jeong, J.H., *et al.* 2013. Reference Intervals for Platelet Parameter in Korean Adults Using ADVIA 2120. *Ann Lab Med*; 33: 364-366.
- Kojima, H., Shinagawa, A., Shimizu, S., Kanada, H., Hibi, M., Hirano, T., *et al.*, 2001. Role of phosphatidylinositol-3 kinase and its association with Gab1 in thrombopoietin–mediated up-regulation of platelet function. *Exp Hemat.* 29:616-622.
- Krishnamurti, C. *et al.* 2002. Platelet adhesion to dengue-2 virus-infected endothelial cells. *Am. J. Trop. Med. Hyg.* 66: 435–441.
- Kumar, S. 2013. Hepatitis B presenting as primary thrombocytopenia and leucopenia without evidence of cirrhosis. *JIACM*; 14(2):169-170.
- Lei, H.Y., Huang, K.J., Lin, Y.S., Yeh, T.M., Liu, H.S., Liu, C.C. 2008. Immunopathogenesis of Dengue Hemorrhagic Fever. *Am. J. Infect. Dis.* 4(1): 1-9
- Leytin, V., Allen, D.J., Mykhaylov, S., Lyubimov, E., Freedman, J. Thrombin-triggered platelet apoptosis. *J Thromb Haemost.* 2006; 4:2656–2663.
- Lin, C.F. *et al.* 2006. Autoimmune pathogenesis in dengue virus infection. *Viral Immunol.* 19: 127–132.
- Lin, C.F. *et al.* 2001. Generation of IgM anti-platelet autoantibody in dengue patients. *J. Med. Virol.* 63: 143–149.
- Macey, M.G., Carty, E., Webb, L., Chapman E.S., Zelmanovic, D., Okrongly, D., *et al.* 1999. Use of mean platelet component to measure platelet activation on the ADVIA 120 Haematology System. *Cytometry Commun Clin Cytometry.* 38: 250-5.
- Macey, M., Azam, U., McCarthy, D., Webb, L., Chapman, E.S., Okrongly, D., Zelmanovic, D., Newland, A. 2002. Evaluation of the anticoagulants EDTA and citrate, theophylline, adenosine, and dipyridamole (CTAD) for assessing platelet activation on the ADVIA 120 hematology system. *Clinical Chemistry.* 48: 891-899.



- Machain-Williams, C., Talavera-Aguilar, L., Cetina-Trejo, R.C., Carrillo-Navarrete, J., Rivero-Cardenas, N., Salazar, M.I. 2014. Detection of Hepatitis C Virus Coinfection in Patients with Dengue Diagnosis. *Biomed Res. Int.* 321286:1-5.
- Maedel, B., Doig, K. 2007. Examination of the Peripheral Blood Smear and Correlation with the Complete Blood Count. *Hematology clinical Principle and Applications*. Rodak B. 3<sup>th</sup> Edition. Saunders Elsevier, USA.
- Magalhaes, B.M.L., Siqueira, A.M., Alexandre, M.A.A., Souza, M.S., Gimaque, J.B., Bastos, M.S., 2014. P. vivax Malaria and Dengue Fever Co-Infection: a Cross Sectional Study in the Brazillian Amazon. *Plos Neglect. Trop. Dis.* 8(10):1-8.
- Marchant, K. K. 2007. *Platelet Disorder in Goldblum, J. R., 2007. Hematopathology*, 67-91. Elsevier Saunders, Philadelphia.
- Matondang, A.V., Widodo, D., Zulkarnain, I., Rengganis, I., Suhendro, Trihandini, I., *et al.* 2004. The Correlation Between Thrombopoietin and Platelet Count in Adult Dengue Viral Infection Patients. *Acta Med Indones-Indones J Intern Med* 36(2): 62-69.
- McGrowder, D., Brown P. 2010. Clinical and laboratory findings in patients with leptospirosis at a tertiary teaching hospital in Jamaica. *Research and Reports in Tropical Medicine* 1(0):59-64.
- Michels, M., van der Ven, A.J.A.M., Djamiatun, K., Fifnheer, R., de Groot, P.G., Griffioen, A.W., *et al.* 2012. Imbalance of Angiopoietin-1 and Angiopoietin-2 in Severe Dengue and Relationship with Thrombocytopenia, Endothelial Activation, and Vascular Stability. *Am. J. Trop. Med. Hyg.*, 87(5): 943-946.
- Michelson AD, Furman IM. 2005. Markers of Platelet Activation and Granule Secretion dalam: Quin M, Fitzgerald D. 2005. *Platelet Function: Assesment, Diagnosis, and Treatment*. Humana Press Inc.: Totowa, New Jersey.
- Nguyen, T.H., Nguyen, T.L., Lei, H.Y. 2005. Association between sex, nutritional status, severity of dengue hemorrhagic fever, and immune status in infants with dengue hemorrhagic fever. *Am J Trop Med Hyg* 72:370-374.
- Nicomedeo, A.C., Del Negro, G., Amato-Neto, V. 1990. Thrombocytopenia and Leptospirosis. *Rev Inst Med Trop Sao Paulo* 32(4):252-259.
- Nimmannitya, S. 2009. *Dengue and Dengue Haemorrhagic Fever* in Cook, G.C., Zumla., 2009, 22<sup>th</sup>ed., *Manson's Tropical Disease*, 753-60. Elsevier Saunders, Philadelphia.
- Noisakran, S., Perng, G.C. 2008. Dengue Hemorrhagic Fever (DHF)/Dengue Shock Syndrome (DSS) in Dengue Virus Infection. *Ex. Biol. Med.* 233(10): 401-408.
- Onlamoon, N., *et al.* 2010. Dengue virus-induced hemorrhage in a nonhuman primate model. *Blood.* 115: 1823-1834.
- Park, Y., Schoene, N. & Harris, W. 2002. Mean platelet volume as an indicator of platelet activation: methodological issues. *Platelets*; 13: 301-306.
- Pasquet, J.M., Gross, B.S., Gratacap, M.P., Quek, L., Pasquet, S., Payrastre, B., *et al.*, 2000. Thrombopoietin potentiates collagen receptor signaling in



- platelets through a phosphatidylinositol 3-kinase-dependent pathway. *Blood* 95:3429-3434.
- Rechciński, T., Jasińska, A., Foryś, J., Pakuła, M.K., Drabik, K.W., Plewka, M., Peruga, J.Z., Kasprzak, J.D. 2013. Prognostic value of platelet indices after acute myocardial infarction treated with primary percutaneous coronary intervention. *Cardiology Journal*, 20 (5): 491–498.
- Sastroasmoro, S., Ismael, S. 2011. Dasar-Dasar Metodologi Penelitian Klinis, edisi ke-4. Sagung Seto: Jakarta.
- Shaikh, Q.H., Ahmad, S.M., Abbasi, A., Malik, S.A., Sahito, A.A., Munir, S.M. 2009. Thrombocytopenia in Malaria. *J Col Physic and Surg Pakistan* 19(11):708-710.
- Sharp, T.M., Bracero, J., Rivera, A., Shieh, W.J., Bhatnagar, J., Rivera-Diez, I., *et al.* 2012. Fatal Human Co-Infection with *Leptospira* spp. and Dengue Virus, Puerto Rico, 2010. *Emerg. Infect. Dis.* 18(5):879-880.
- Sowandoyo, E. 1998. Demam Berdarah Dengue pada Orang Dewasa, Gejala Klinik dan Penatalaksanaannya. Makalah Seminar Demam Berdarah Dengue di Indonesia. RS.Sumber Waras Jakarta.
- Srichaikul, T., Nimmannitya, S., Sripaisarn, T., Kamolsilpa, M., Pulgate, C., 1989. Platelet function during the acute phase of dengue hemorrhagic fever. *Southeast Asian J. Trop Med Pub Health.* 20: 19-25.
- Srichaikul, T., Nimmannitya, S. 2000. Haematology in Dengue and Dengue Haemorrhagic Fever, *Bailliere's Clinical Haematology*, Vol. 13, No. 2, 261-276.
- Suharti, C. *et al.* 2002. The role of cytokines in activation of coagulation and fibrinolysis in dengue shock syndrome. *Thromb. Haemost.* 87: 42–46.
- Sudjana, P., Jusuf, H. 1998. Concurrent Dengue Hemorrhagic Fever and Typhoid Fever Infection in Adult: Case Report. *Southeast Asian J Trop Med Public Health* 29(2):370-372.
- Sun, D.S. *et al.* 2007. Antiplatelet autoantibodies elicited by dengue virus non-structural protein 1 cause thrombocytopenia and mortality in mice. *J. Thromb. Haemost.* 5: 2291–2299.
- Tsai, J.J., Chen, P.C., Liu, L.T., Chang, K., Yao, J.H., Hsiao, H.M., *et al.* 2013. Pathogenic Parameters Derived from Activated Platelets in Dengue Patients. *Trop Med Surg*; 1:5.
- Vagdatli E, Gounari E, Lazaridou E. 2010. Platelet Distribution Width: a Simple, Practical and Specific marker of Activation of Coagulation. *Hippokratia* 14(1):28-32.
- Venkataravanamma, P., Rau, A.T.K. 2004. Severe Thrombocytopenia in Association with Hepatitis A. *Indian Ped.* 41(17):1178-1179.
- Wang, W.K., Chao, D.Y., Kao, C.L., Wu, H.C., Liu, Y.C., Li, C.M., Lin, S.C., Ho, S.T., Huang, J.H., King, C.C. 2003. High Levels of Plasma Dengue Viral Load during Defervescence in Patients with Dengue Hemorrhagic Fever: Implications for Pathogenesis. *Virology* 305; 330–338.
- Wiwanitkit V. 2004 a. Mean platelet volume in the patients with dengue hemorrhagic fever. *Platelets* 15(3):185.



- Wiwanitkit V. 2004 b. Plateletcrit, Mean Platelet Volume, Platelet Distribution Width: Its Expected Values and Correlation With Parallel Red Blood Cell Parameters. *Clin Appl Thrombosis/Hemostasis* 10(2):175–178.
- World Health Organization (WHO). 2009. Dengue Guidelines for Diagnosis, Treatment, Prevention and Control. 1 -147.
- World Health Organization (WHO). 2011. Comprehensive Guideline for Prevention and Control for Dengue and Dengue Haemorrhagic Fever. *Raised and expanded edition*. 1-196.
- Yang, K.D. *et al.* 1995. A higher production of platelet activating factor in ex vivo heterologously secondary dengue-2 virus infections. *Acta Microbiol. Immunol. Hung.* 42: 403–407.
- Yaramis, A., Yildirim, I., Katar, S., Özbek, M.N., Yalçın, I., Tas, M.A., et al. 2001. Clinical and Laboratory Presentation of Typhoid Fever. *Int Ped* 16(4):227-231.
- Zandecki M, *et al.* 2012. Spurious Counts and Spurious Results on Hematology Analyzers: Platelets. *Laboratory Hematology Practice*.
- Zwaginga JJ. 2014. Platelets in infection-associated bleeding. *Transf. Med./Platelets* 8(0):411-420.