

## DAFTAR PUSTAKA

Abu-Assi E, Ferreira-Gonzales I, Ribera A, Marsal JR, Cascant P, Heras M, Bueno H, et al. (2010a). Do GRACE (Global Registry of Acute Coronary Events) risk score still maintain their performance for predicting mortality in the era of contemporary management of acute coronary syndromes?. *American Heart Journal*, 160(5): 826–834.

Abu-Assi E, García-Acuña JM, Peña-Gil C, González-Juanatey JR (2010b). Validation of the grace risk score for predicting death within 6 months of follow-up in a contemporary cohort of patients with acute coronary syndrome. *Revista Española de Cardiología (English Edition)*, 63(6): 640–648.

Akboga MK, Canpolat U, Yayla C, Ozcan F, Ozeke O, Topaloglu S, Aras D (2015). Association of platelet to lymphocyte ratio with inflammation and severity of coronary atherosclerosis in patients with stable coronary artery disease. *Angiology*, 67(1): 89–95.

Akpek M, Kaya MG, Lam YY, Sahin O, Elcik D, Celik T, Ergin A, et al. (2012). Relation of neutrophil/lymphocyte ratio to coronary flow to in-hospital major adverse cardiac events in patients with ST-elevated myocardial infarction undergoing primary coronary intervention. *American Journal of Cardiology*, 110: 621-627.

Akyuz S, Yazici S, Bozbeyoglu E, Onuk T, Yildirimturk O, Karacimen D, Hayiroglu, MI, et al. (2015). Validity of the updated GRACE risk predictor (version 2.0) in patients with non-ST-elevation acute coronary syndrome. *Revista Portuguesa de Cardiologia*, 35(1): 25–31.

Alexander NI (2016). Reference values of Neutrophil-Lymphocyte Ratio, Platelet-Lymphocyte Ratio and Mean Platelet Volume in healthy adults in North Central Nigeria. *Journal of Blood and Lymph*, 6(143).

Alsebaey A, Elhelbawy M, Waked I (2018). Platelets-to-lymphocyte ratio is a good predictor of liver fibrosis and insulin resistance in hepatitis C virus-related liver disease. *European Journal of Gastroenterology & Hepatology*, 30(2): 207–211.

Amsterdam EA, Wenger NK, Brindis RG, Casey DE, Ganiats TG, Holmes DR, Zieman SJ, et al. (2014). 2014 AHA/ACC guideline for the management of patients with Non-ST-elevation acute coronary syndromes: a report of the American College of Cardiology/American Heart Association task force on practice guidelines. *Circulation*, 130(25): 344–426.

Anwar IW, Wijaya IP, Sukrisman L, Nasution SA, Rumende CM (2018). Diagnostic accuracy of Platelet/Lymphocyte Ratio for screening complex coronary lesion in different age group of patients with acute coronary syndrome. *Acta Medica Indonesiana – The Indonesian Journal of Internal Medicine*, 50(3):185-192.

Aragam KG, Tamhane UU, Kline-Rogers E, Li J, Fox KAA, Goodman SG, Gurm HS, et al. (2009). Does simplicity compromise accuracy in ACS risk prediction? A retrospective analysis of the TIMI and GRACE risk scores. *PLoS ONE*, 4(11): e7947.

Asano Y, Kashiwagi S, Onoda N, Noda S, Kawajiri H, Takashima T, Hirakawa K, et al. (2016). Platelet–lymphocyte ratio as a useful predictor of the therapeutic effect of neoadjuvant chemotherapy in breast cancer. *PLoS ONE*, 11(7): e0153459.

Badan Penelitian dan Pengembangan Kesehatan (2013). *Riset kesehatan dasar 2013*. Badan Penelitian dan Pengembangan Kesehatan Republik Indonesia.  
<http://www.depkes.go.id/resources/download/general/Hasil%20Risksed as%202013.pdf>. – diakses Mei 2019.

Bakouny Z, Rassy EE, Yared F, Lutfallah AA, Ghosn M, Farhat F, Kattan J (2018). Is there a role for the platelet-to-lymphocyte ratio in chronic lymphocytic leukemia?. *Future Science OA*, 4(10).

Balta S, Demirkol S, Ugur K (2013). The platelet lymphocyte ratio may be useful inflammatory indicator in clinical practice. *Hemodialysis*, 17: 664-670.

Balta S, Ozturk C (2014). The platelet-lymphocyte ratio: a simple, inexpensive and rapid prognostic marker for cardiovascular events. *Platelets*, 26 (7): 680-681.

Bradshaw PJ, Katzenellenbogen, JM, Sanfilippo FM, Hobbs MST, Thompson PL, Thompson SC (2015). Validation study of GRACE risk scores in indigenous and non-indigenous patients hospitalized with acute coronary syndrome. *BMC Cardiovascular Disorders*, 15(1).

Cardiovascular Division & Health Services Research Centre (2017). *Reducing the burden of cardiovascular disease in Indonesia*. Newtown: The George Institute for Global Health.

Chacko S, Haseeb S, Glover BM, Wallbridge D, Harper A (2017). The role of biomarkers in the diagnosis and risk stratification of acute coronary syndrome. *Future Science OA*, 4(1).

Chen YH, Huang SS, Lin SJ (2018) TIMI and GRACE Risk scores predict both short-term and long-term outcomes in Chinese patients with acute myocardial infarction. *Acta Cardiologica Sinica* 2018, 34: 412.

Coven DL (2018). Acute coronary syndrome. <https://emedicine.medscape.com/article/1910735-overview>. – diakses Mei 2019.

Dharma S, Hapsari R, Siswanto BB, Laarse A, Jukema JW (2015). Blood leukocyte count on admission predicts cardiovascular events in patients with acute Non-ST elevation myocardial infarction. *International Journal of Angiology*, 24(2): 127-132.

Di Stefano R, Di Bello V, Barsotti MC, Grigoratos C, Armani C, Dell’Omodarme M, Carpi A, Balbarini A (2009). Inflammatory marker and cardiac function in acute coronary syndrome: difference in ST-segment elevation myocardial infarction (STEMI) and in non-STEMI models. *Biomedicine & Pharmacotherapy*, 63(10): 773-780.

Dudas K, Björck L, Jernberg T (2013). Differences between acute myocardial infarction and unstable angina: a longitudinal cohort study reporting findings from the Register of Information and Knowledge about Swedish Heart Intensive Care Admissions (RIKS-HIA). *BMJ Open*, e002155.

Eyuboglu M (2019). Inflammatory and non-inflammatory triggers of acute coronary syndromes. *Annals of the Rheumatic Diseases* 2019: 215277.

Fox KAA, Eagle KA, Gore JM, Steg G, Anderson FA (2010). The Global Registry of Acute Coronary Events, 1999 to w. *Heart BMJ*, 96: 1095-1101.

Fox KAA, FitzGerald G, Puymirat E, Huang W, Carruthers K, Simon T, Anderson F, et al. (2014). Should patients with acute coronary disease be stratified for management according to their risk? Derivation, external validation and outcomes using the updated GRACE risk score. *BMJ Open*, 4(2): e004425

Gitt AK, Hochadel M, Zahn R, Zeymer U, Schiele F (2015). Higher in-hospital-mortality of NSTEMI as compared to unstable angina despite higher rate of invasive therapy in clinical practice: results of the EGS ACS Registry. *Journal of the American College of Cardiology*, 65(10).

Gong IY, Goodman SG, Brieger D, Gale CP, Chew DP, Welsh RC, Yan AT, et al. (2017). GRACE risk score: sex-based validity of in-hospital mortality prediction in Canadian patients with acute coronary syndrome. *International Journal of Cardiology*, 244: 24–29.

Habib SS, Kurdi MI, Al Aseri Z, Suriya MO (2011). CRP levels are higher in patients with ST elevation than non-ST elevation acute coronary syndrome. *Arquivos Brasileiros de Cardiologia*, 96(1).

Hajira B, Malik A, Huecker MR (2019). *Non-ST Segment Elevation Myocardial Infarction*. Treasure Island (FL): StatPearls Publishing.

Hamm CW, Bassand JP, Agewall S, Bax J, Boersma E, Bueno H, Caso P, et al. (2011). ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation: the task force for the management of acute coronary syndromes (ACS) in patients presenting without persistent ST-segment elevation of the European Society of Cardiology (ESC). *European Heart Journal*, 32(23): 2999-3054.

Hao X, Li D, Wu D, Zhang N (2017). The relationship between hematological indices and autoimmune rheumatic diseases (ARDs), a meta-analysis. *Scientific Reports*, 7(1): 10833.

Harun H, Bahrun U, Darmawaty ER (2016). Platelet-Lymphocyte-Ratio (PLR) Markers in Acute Coronary Syndrome. *Indonesian Journal of Clinical Pathology and Medical Laboratory*, 23(1): 7-11.

Hudzik B, Szkodzinski J, Gorol J, Niedzela J, Lekston Andrzej, Gasior M, Polonski L (2015). Platelet-to-lymphocyte ratio is a marker of poor prognosis in patients with diabetes mellitus and ST-elevation myocardial infarction. *Biomarkers in Medicine*, 9(3): 199-207.

Hudzik B, Szkodzinski J, Gierlotka M, Lekston Andrzej, Gasior M, Polonski L (2016). Mean platelet volume-to-lymphocyte ratio: a novel marker of poor short and long-term prognosis in patients with diabetes mellitus and acute myocardial infarction. *Journal of Diabetes and Its Complications*, 30(6): 1097-1102.

Junior AM, Pereira LG, Souza TM, Correia VC, Alexandre FK, Sodre GS, Suerdieck JG, et al. (2018) Prognostic accuracy of the GRACE Score in octogenarians and nonagenarians with Acute Coronary Syndromes. *Arquivos Brasileiros de Cardiologia*, 110(1): 24-29.

Kumar A, Cannon CP (2009). Acute coronary syndromes: diagnosis and management, part I. *Mayo Clinic Proceedings*, 84(10): 917-938.

Kurtul A, Murat SN, Yarlioglu M, Duran M, Ergun G, Acikgoz SK, Demircelik MB, et al. (2014). Association of Platelet-to-Lymphocyte Ratio with severity and complexity of coronary artery disease in patients with acute coronary syndromes. *The American Journal of Cardiology*, 114 (7): 972–978.

Li DY, Hao XY, Ma TM, Dai HX, Song YS (2017). The prognostic value of Platelet-to-Lymphocyte Ratio in urological cancers: a meta-analysis. *Scientific Reports*, 7(1).

Li H, Zhou Y, Ma Y, Han S, Zhou L (2017). The prognostic value of the platelet-to-lymphocyte ratio in acute coronary syndrome: a systematic review and meta-analysis. *Kardiologia Polska*, 75(7): 666-673.

Li W, Liu Q, Tang Y (2017). Platelet to lymphocyte ratio in the prediction of adverse outcomes after acute coronary syndrome: a meta-analysis. *Scientific Reports*, 7: 40426.

Loutfi M (2010). Validity of GRACE risk score to predict prognosis in elderly patients with acute coronary syndrome. *Cardiovascular Revascularization Medicine*, 11(3): 203.

Luke K, Purwanto B, Herawati L, Al-Farabi MJ, Oktaviono YH (2019). Predictive value of hematologic indices in the Acute Coronary Syndrome. *Open Access Macedonian Journal of Medical Sciences*, 7(15).

Luo J, Yang M, Han L, Chen L, Chen X, Gao K, Chen P, et al. (2013). Validity of the Global Registry of Acute Coronary Events risk score in prediction of acute myocardial infarction mortality in hospitalised Chinese patients aged 80 and over. *Australasian Journal on Ageing*, 33(4): 1-5.

Mangla A (2015). *Troponins*.  
<https://emedicine.medscape.com/article/2073935-overview>. – diakses Mei 2019.

Nuñez J, Miñana G, Bodí V, Núñez E, Sanchis J, Husser O, Llacer A (2011). Low lymphocyte count and cardiovascular diseases. *Current Medicinal Chemistry*, 18(21): 3226-3233.

Overbaugh KJ (2009). Acute coronary syndrome. *The American Journal of Nursing*, 109(5): 42-52.

Oylumlu M, Yıldız A, Yüksel M, Polat N, Bilik MZ, Akyüz A, Aydin M, et al. (2015). Platelet-to-lymphocyte ratio is a predictor of in-hospital mortality patients with acute coronary syndrome. *Anatolian Journal of Cardiology*, 15(4): 277-283.

PERKI (2018). *Pedoman tatalaksana sindrom koroner akut*. Perhimpunan Dokter Spesialis Kardiovaskular Indonesia. <http://www.inaheart.org/upload/file/Buku-ACS-2018.pdf>. – diakses Mei 2019.

Poldervaart JM, Langedijk M, Backus BE, Dekker IMC, Six AJ, Doevedans PA, Hoes AW, et al. (2016). Comparison of the GRACE, HEART, and TIMI score to predict major adverse cardiac events in chest pain patients at the emergency department. *International Journal of Cardiology* 227(2017): 656-661.

Reda AA, Moharram MA, Rasheed AEG (2019). Platelet to lymphocyte ratio as a predictor of severity of coronary artery disease. *Menoufia Medical Journal* 2019, 32(1): 167-171.

Ren L, Ye H, Wang P, Cui Y, Cao S, Lv S (2014). Comparison of long-term mortality of acute ST-segment elevation myocardial infarction and non-ST-segment elevation acute coronary syndrome patients after percutaneous coronary intervention. *International Journal of Clinical and Experimental Medicine*, 7(12): 5577 – 5592.

Riyanto A (2017). *Aplikasi metodologi penelitian kesehatan*. Yogyakarta: Nuha Medika.

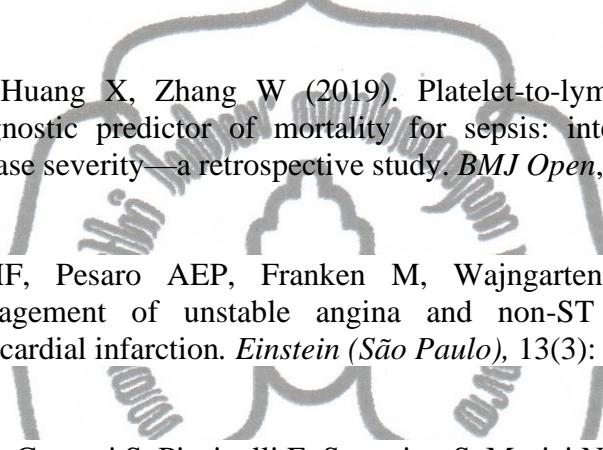
Roffi M, Patrono C, Collet JP, Mueller C, Valgimigli M, Andreotti F, Windecker S, et al. (2015). 2015 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. *European Heart Journal*, 37(3): 267–315.

Sanchis J, Bodi V, Llacer A, Nunez J, Ferrero JA, Chorro FJ (2009). Value of early exercise stress testing in a chest pain unit protocol. *Revista Espanola de Cardiologia* 55(10): 1089-1092.

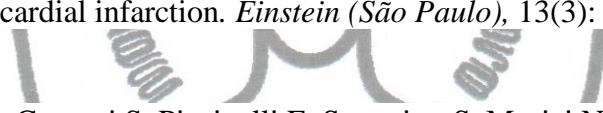
Santoso B, Sulistiowati E, Tuti S, Lamid A (2013). *Riset kesehatan dasar dalam angka Jawa Tengah tahun 2013*. Jakarta: Lembaga Penerbitan Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan RI.

Serrano CV, de Mattos FR, Pitta FG, Nomura CH, de Lemos J, Ramires JAF, Kalil-Filho R (2019). Association between Neutrophil-Lymphocyte and Platelet-Lymphocyte Ratios and coronary artery calcification score among asymptomatic patients: data from a cross-sectional study. *Mediators of Inflammation* 2019, 1–8.

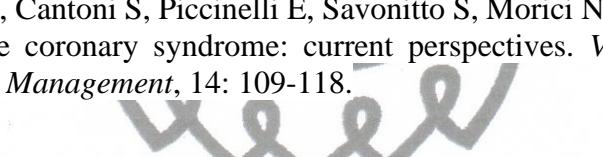
Seyis S, Gunay S, Rencuzoglu I (2017). Relationship between platelet to lymphocyte ratio and coronary angiography timing in patients with NSTEMI. *Biomedical Research*, 28(20): 8945-8950.



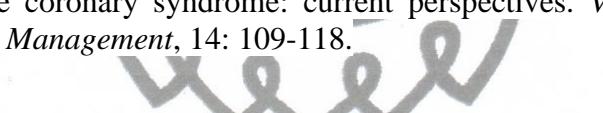
Shen Y, Huang X, Zhang W (2019). Platelet-to-lymphocyte ratio as a prognostic predictor of mortality for sepsis: interaction effect with disease severity—a retrospective study. *BMJ Open*, 9(1): e022896.



Silva FMF, Pesaro AEP, Franken M, Wajngarten M. (2015). Acute management of unstable angina and non-ST segment elevation myocardial infarction. *Einstein (São Paulo)*, 13(3): 454–461.



Stucchi M, Cantoni S, Piccinelli E, Savonitto S, Morici N (2018). Anemia and acute coronary syndrome: current perspectives. *Vascular Health and Risk Management*, 14: 109-118.



Syahdrajat, T (2018). *Panduan Penelitian untuk Skripsi Kedokteran & Kesehatan*. Yogyakarta: Pedhe Offset.

The University of Edinburgh (2019). *The GRACE risk score assessing heart attack risk and guiding treatment: case study*. [https://www.ed.ac.uk/files/atoms/files/the-grace-risk-score-assessing-heart-attack-risk-and-guiding-treatment\\_0.pdf](https://www.ed.ac.uk/files/atoms/files/the-grace-risk-score-assessing-heart-attack-risk-and-guiding-treatment_0.pdf). – diakses Mei 2019.

Thygesen K, Alpert JS, Jaffe AS, Chaitman BR, Bax JJ, Morrow DA, Jaffe AS, et al. (2018). Fourth universal definition of myocardial infarction (2018). *European Heart Journal* (2018), 00: 1–33.

Toda M, Tsukioka T, Izumi N, Komatsu H, Okada S, Hara K, Nishiyama N, et al. (2017). Platelet-to-lymphocyte ratio predicts the prognosis of patients with non-small cell lung cancer treated with surgery and postoperative adjuvant chemotherapy. *Thoracic Cancer*, 9(1): 112–119.

Ugur M, Gul M, Bozbay M, Cicek G, Uyarel H, Koroglu B, Eren M, et al. (2014). The relationship between platelet to lymphocyte ratio and the clinical outcomes in ST elevation myocardial infarction underwent primary coronary intervention. *Blood Coagulation & Fibrinolysis*, 25(8): 806 – 811.

Valencia CV, Cruz OC, Rodriguez MO, Castellanos GS, Lagunas Rangel FA, Viveros SME (2017). Inflammation in hemodialysis and their correlation with neutrophil-lymphocyte ratio and platelet-lymphocyte ratio. *Nefrología (English Edition)*, 37(5): 554–556.

Varghese TP, Kumar AV (2019). Predisposing risk factors of Acute Coronary Syndrome (ACS): a mini review. *Journal of Pharmaceutical Science and Research*, 11(5): 1999-2002.

Varım, C, Varım, P, Acar B. A, Vatan MB, Uyanık, MS, Kaya T, Akdemir R, et al. (2016). Usefulness of the platelet-to-lymphocyte ratio in predicting the severity of carotid artery stenosis in patients undergoing carotid angiography. *The Kaohsiung Journal of Medical Sciences*, 32(2): 86–90.

Wang Y, Attar BM, Fuentes HE, Jaiswal P, Tafur AJ (2017). Evaluation of the prognostic value of platelet to lymphocyte ratio in patients with hepatocellular carcinoma. *Journal of Gastrointestinal Oncology*, 8(6): 1065-1071.

Yildirim OT, Aydrin F, Aydin A, Huseyinoglu, Dagtekin E, Aksit E, Hasirci S, et al. (2018). Neutrophil to lymphocyte ratio and platelet to lymphocyte ratio are independent predictors for blood pressure variability. *Journal of Hypertension*, 36: 12.

Yuksel M, Yildiz A, Oylumlu M, Akyuz A, Aydin M, Kaya H, Alan S, et al. (2015). The association between platelet/lymphocyte ratio and coronary artery disease severity. *The Anatolian Journal of Cardiology*, 15(8): 640–647

Zhou D, Fan Y, Wan Z, Wen W, Wang X, Zhou J, Yuan Z, et al. (2016). Platelet-to-Lymphocyte Ratio improves the predictive power of GRACE risk score for long-term cardiovascular events in patients with acute coronary syndrome. *Cardiology*, 134(1): 39–46.

