

## DAFTAR PUSTAKA

1. Okrainee K, Banerjee DK, Eisenberg MJ. Coronary Artery Disease in Developing World. *American Heart Journal* 2004;148(1):7-15
2. Montalescot G, Sechtem U, Achenbach S, Arden C, Budaj A, Bugiardini R et al. ESC Guidelines on the Management of Stable Coronary Artery Disease. *European Heart Journal* 2013; 1-62
3. Libby P, Guo-Ping Shi. Mast Cells as Mediators and Modulators of Atherogenesis. *Circulation*.2007;115:2471-2473
4. Kounis N, Hahalis G, Manola A et al. Angina pectoris: Etiology, pathogenesis and Treatment. 2008. Nova Science Publisher Inc.
5. Kantrowitz N, ellis A, Bristow M et al. Histamines mediates myocardial damage by an H1 Mechanism independent of coronary blood flow. *Journal of Cardiovascular Pharmacology* 1999;15:82-88
6. Wezel A, Quax P.H.A, Kuiper J, Bot I. The Role of Mast Cells in Atherosclerosis. 2014. Leiden University, The Netherlands
7. Suceava I, Lighezan D, Serban C, Lighezan R, Gurban C dan Dragan S. The Association Between Arterial Stiffness and Carotid Intima-Media Thickness in Patients with Known Cardiovascular Risk Factors. *Clujul Medical* 2013;86(3):222-27
8. Bots L.M, Baldassarre D, Simon A, de Groot E, O'Leary DH, et al. Carotid intima -media thickness and coronary atherosclerosis: weak or strong relations?. *European Heart Journal* 2007 28, 398-406
9. Finn A.V, Kolodgie F.D, Virmani R. Correlation Between Carotid Intimal/ Medial Thickness and Atherosclerosis. *Arterioscler Thromb Vasc Biol.* 2010;30:177-181
10. Zdravkovic V, Pantovic S, Rosic G, Tomic-Lucic A, Zdravkovic N, et al. Histamine Blood Concentration in Ischemic Heart Disease. *Journal of Biomedicine and Biotechnology* 2011, article ID 315709
11. Libby P, Theroux P. Patophysiology of Coronary Artery Disease. *Circulation*. 2005;111:3481-3488
12. Libby P, Ridker P.M, Maseri A. Inflammation and Atherosclerosis. *Circulation*. 2002;105:1135-1143
13. Rodriguez R.M, Gueant J-L, Aimone-Gastin I, Gerard P, Amoghly F, et al. The increased histamine release in ischemic heart disease patients undergoing coronaryangiography is not mediated by specific IgE. *Allergy* 2002; Volume: 57 (Suppl. 72): 61–66
14. Lorenz M.W, Markus H.S, Bots M.L, Rosvall M, Sitzer M. Prediction of Clinical Cardiovascular Events with Carotid-Intima Media Thickness. *Circulation*.2007;115:459-467
15. Rozenberg I, Sluka S.H.M, Rohrer L, Hofmann J, Becher B, et al. Histamine H1 Receptor Promotes Atherosclerotic Lesion Formation by Increasing Vascular Permeability for Low-Density Lipoproteins. *Arterioscler Thromb Vasc Biol.* 2010;30:923-930
16. Polak J.F, Pencina M.J, Pencina K.M, O'Donnel C.J, Wolf P.A, et al. Carotid-Wall Intima-Media Thickness and Cardiovascular Events. *N Engl J Med* 2011;365:213-21

17. Hsue P.Y, Lo J.C, Franklin A, Bolger A.F, Martin J.N, et al. Progression of Atherosclerosis as Assessed by Carotid Intima-Media Thickness in Patients with HIV Infection. *Circulation.* 2004.;109:1603-1608
18. Touboul PJ, Hennerici MG, Meairs S, Adams H, Amarenco P, Bornstein N, et al. Mannheim Carotid Intima-Media Thickness Consensus (2004-2006). *Cerebrovasc Dis* 2007; 23: 75-80
19. Borje Uvnas. Histamine in Cardiovascular Function and Dysfunction: Recent Developments. Histamine and Histamine Antagonists. Springer-Verlag Berlin. 1991. Page 347-374
20. Bauer M, Caviezel S, Teynor A, Erbel R, et al. Carotid Intima-Media Thickness as a biomarker of subclinical atherosclerosis. *Swiss Medical Weekly.* 2012;142:1013705
21. Coll B, Feinstein S.B. Carotid Intima-Media Thickness Measurements: Techniques and Clinical Relevance. *Current Atherosclerosis Report* 2008;10:xx-xx. Current Medical Group LLC.USA
22. Casella I.B, Presti C, Porta R.M, Sabbag C.R, Bosch M.A, et al. *Clinics* 2008;64:515-20
23. Sasaguri Y, Tanimoto A. Role of Macrophage-derived Histamine in Atherosclerosis-Chronic Participation in the Inflammatory Response. *J Atheroscler Thromb*, 2004;11:122-130
24. Vigorito C, Porto S, Picotti G.B, Triggiani M, Marone G. Effect of Activation of the H1 Receptor on coronary hemodynamics in man. *Circulation.* Vol 73. No 6, 1175-1182
25. Wang K, Tanimoto A, Guo X, Yamada S, et al. Histamine deficiency decreases Atherosclerosis and Inflammatory Response in Apolipoprotein E Knockout Mice Independently of Serum Cholesterol Level. *Atheroscler Thromb Vasc Biol* 2011;31:800-807
26. Hao F, Tan M, Xu X, Cui M.Z. Histamine Induces Egr-1 Expression in Human Aortic Endothelial Cells via the H1 Receptor – mediated Protein Kinase C delta – dependent ERK activation pathway. *Journal of Biological Chemistry* Vol 283. No 40. 2008. Pp 26928-26936
27. Lindstedt K.A, Mayranpaa M.I, Kovanen P.T. Mast cells in vulnerable atherosclerotic plaques – a view to kill. *J Cell Mol Med* Vol 11, No 4, 2007, pp 739-758
28. Bot I, Biessen E.A.L. Mast cells in atherosclerosis. *Thromb Haemost* 2011;106:820-826
29. Lanza A.G, Careri G, Crea F. Mechanisms of Coronary Artery Spasm. *Circulation.* 2011;124:1774-1782
30. Ciccone MM, Scicchitano P, Zito A, Cortese F, Boninfante B, et al. Correlation between Inflammatory markers of atherosclerosis and Carotid Intima-Media Thickness in Obstructive Sleep Apnea. *Molecules* 2014, vol19, pp 1651-1662
31. Ross C.A, Rizk N, D'Riordon M.A, Dogra V, et al. Relationship between Inflammatory markers, Endothelial Activation Markers and Carotid Intima-Media Thickness in HIV-infected patient receiving antiretroviral therapy. *Clinical Infections Diseases* 2009;49:1119-27

32. Sahoo A.K, Sastry A.S, Sagar M.K. Correlation of Carotid Intima-Media Thickness with Atherosclerosis in Diabetes. International Journal of Health Research in Modern Integrated Medical Science, Oct-Dec 2014
33. Engelen L, Fereira I, Stehouwer CD, Boutouyrie P, and Laurent S. Reference Intervals for Common Carotid Intima-Media Thickness Measured with Echotracking: Relation with Risk Factors. European Heart Journal 2013.; 34(30): 2368- 80
34. Thurmond LR. Histamine in Inflammation. Springer. USA. 2010. Page 1-16
35. Parsons M.E, Ganellin R. Histamine and its receptors. British Journal of Pharmacology (2006) 147,S127-S135
36. Magnusson M, Kathiresan S, Hedblad B, Engstrom G,et al. Plasma Histamine and Risk of Myocardial Infarction-Biomarker and Genotype Association analyses. J Am Coll Cardiol. 2014;63(12\_S)
37. Clejan S, Japa S, Clemetson C, Sanjeev S, et al. Blood histamine is associated with coronary artery disease, cardiac events, and severity of inflammation and atherosclerosis. J Cell Mol Med vol 6, No 4, 2002 pp 583-592
38. Libby P. Inflammation in atherosclerosis. Nature Publishing Group Vol 420. December 2002.
39. Manduteanu I,Simionescu M. Inflammation in atherosclerosis: a cause or a result of vascular disorders?. J Cell Mol Med vol 16 no 9 2012 pp 1978-1990
40. Xu Jia-Ming, Shi Guo Ping. Emerging Role of Mast Cells and Macrophages in Cardiovascular and Metabolic Diseases. Endocrine Reviews 33:71-108,2012
41. Alevizos M, Karagkouni A,Panagiotidou S, Vasiadi M, et al. Stress triggers coronary mast cells leading to cardiac events. Ann Allergy Asthma Immunol xxx (2013) 1-8
42. Willems S, Vink A, Bot I, Quax P.H.A, et al. Mast cells in human carotid atherosclerotic plaques are associated with intraplaque microvessel density and the occurrence of future cardiovascular events. Eur Heart Journal (2013) 34, 3699-3706
43. Kritikou E, Kuiper J, Kovanen P.T, Bot I. The impact of mast cells on cardiovascular diseases. European Journal of Pharmacology (2015), <http://dx.doi.org/10.1016/j.ejphar.2015.04.050>
44. Yamada S, Wang K.Y, Tanimoto A, Sasaguri Y. Novel function of histamine signaling in hyperlipidemia-induced atherosclerosis : Histamine H1 receptors protect and H2 receptors accelerate atherosclerosis. Pathology International 2015; 5: 67-80
45. Stein J.H, Korcarz C.E, Hurst R.T, Lonn E, et al. Use of Carotid Ultrasound to Identify Subclinical Vascular Disease and Evaluate Cardiovascular Risk: A Consensus Statement from the American Society of Echocardiography Carotid Intima-Media Thickness Task Force Endorsed by the Society for Vascular Medicine.
46. Tanimoto A,Sasaguri Y, Ohtsu H. Histamine Network in Atherosclerosis. Trends Cardiovasc Med 2006;16:280-284

47. Limbu YR, Rajbhandari R, Sharma R, Singh S, et al. Carotid intima media thickness (CIMT) and carotid plaques in young Nepalese patients with angiographically documented coronary artery disease. *Cardiovasc Diagn Ther* 2015;5(1):1-7



LEMBAR PENGESAHAN

KORELASI ANTARA KADAR HISTAMIN PLASMA DENGAN  
DERAJAT ATEROSKLEROSIS BERDASARKAN PENGUKURAN  
*CAROTID INTIMA-MEDIA THICKNESS* PADA PASIEN STABLE  
*CORONARY ARTERY DISEASE*

Amelia Ina Sadiati, dr

NIM. 010981355

Karya akhir ini telah disetujui untuk diajukan oleh :

Pembimbing

Prof. Dr. Djoko Soemantri, dr., SpJP (K), FIHA

Dr. J. Nugroho Eko Putranto, dr., SpJP (K), FIHA

Koordinator Pendidikan

Agus Soebagjo, dr., SpJP (K), FIHA

Koordinator Penelitian

Prof. Dr. Djoko Soemantri, dr., SpJP (K), FIHA

Dr. J. Nugroho Eko Putranto, dr., SpJP (K), FIHA

Mengetahui,

Ketua Departemen Ilmu Penyakit Jantung dan Pembuluh Darah FK UNAIR

M. Aminuddin, dr., SpJP (K), FIHA, FASCC  
NIP. 19540626 198011 1 044

## PERNYATAAN

Saya yang bertanda tangan di bawah ini menyatakan bahwa karya akhir ini adalah hasil karya saya sendiri dan di dalamnya tidak terdapat karya yang pernah diajukan untuk memperoleh gelar kesarjanaan di suatu perguruan tinggi dan lembaga pendidikan lainnya. Semua sumber baik yang dikutip maupun dirujuk telah saya nyatakan dengan benar di dalam tulisan dan daftar pustaka.

Surabaya, 16 Desember 2015

Yang Membuat Pernyataan,



Amelia Ina Sadiati, dr

NIM. 010981355