

DAFTAR PUSTAKA

1. World Health Organization. Cardiovascular diseases (cvds) [Internet]. World Health Organization. 2021. Tersedia pada: [https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-\(cvds\)](https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-(cvds))
2. Centers for Disease Control and Prevention. Heart disease facts [Internet]. Centers for Disease Control and Prevention. 2023 [dikutip 26 Oktober 2023]. Tersedia pada: <https://www.cdc.gov/heartdisease/facts.htm>
3. Balitbangkes RI. Laporan Rischesdas 2018 Nasional. Lembaga Penerbit Balitbangkes. 2018. hal. hal 156.
4. Jebari-Benslaiman S, Galicia-García U, Larrea-Sebal A, Olaetxea JR, Alloza I, Vandebroek K, et al. Pathophysiology of atherosclerosis. *Int J Mol Sci* [Internet]. 20 Maret 2022;23(6):3346. Tersedia pada: <https://www.mdpi.com/1422-0067/23/6/3346>
5. Lusta KA, Poznyak A V, Sukhorukov VN, Eremin II, Nadelyaeva II, Orekhov AN, et al. Hypotheses on atherogenesis triggering: does the infectious nature of atherosclerosis development have a substruction? *Cells*. 2023;12(5):707.
6. Gorabi AM, Kiaie N, Khosrojerd A, Jamialahmadi T, Al-Rasadi K, Johnston TP, et al. Implications for the role of lipopolysaccharide in the development of atherosclerosis. *Trends Cardiovasc Med*. 2022;32(8):525–33.
7. Oktomalioputri B, Darwin E, Decroli E. Pengaruh lama pemberian diet tinggi kolesterol terhadap kadar LDL dan TGF-B serum tikus putih (*Rattus novergicus*) strain wistar. *Andalas J Heal*. 2016;5(1):2–6.
8. Watson MG, Byrne HM, Macaskill C, Myerscough MR. A two-phase model of early fibrous cap formation in atherosclerosis. *J Theor Biol*. 2018;456:123–36.
9. American Heart Association. Heart disease and stroke statistics - 2022 update [Internet]. 2022 [dikutip 28 Februari 2023]. Tersedia pada: <https://professional.heart.org/en/science-news/heart-disease-and-stroke-statistics-2022-update>
10. Zhang Y, Pletcher MJ, Vittinghoff E, Clemons AM, David R. Jacobs J, Allen NB, et al. Association between cumulative low-density lipoprotein cholesterol exposure during young adulthood and middle age and risk of cardiovascular events. *JAMA Cardiol*. 2021;6(12):1406–13.
11. Maharani A, Sujarwoto, Praveen D, Oceandy D, Tampubolon G, Patel A.

Cardiovascular disease risk factor prevalence and estimated 10-year cardiovascular risk scores in Indonesia: The SMARThealth Extend study. *Plos One J.* 2019;14(4):e0215219.

12. Rafieian-Kopaei M, Setorki M, Douidi M, Baradaran A, Nasri H. Atherosclerosis: process, indicators, risk factors and new hopes. *Int J Prev Med.* 2014;5(8):927–46.
13. Pirillo A, Catapano AL, Norata GD. Biological consequences of dysfunctional hdl. *Curr Med Chem.* 2019;26(9):1644–64.
14. Zhang T, Chen J, Tang X, Luo Q, Xu D, Yu B. Interaction between adipocytes and high-density lipoprotein:new insights into the mechanism of obesity-induced dyslipidemia and atherosclerosis. *Lipids Heal Dis.* 2019;18(1):223.
15. Centner AM, Bhide PG, Salazar G. Nicotine in Senescence and Atherosclerosis. *Cells.* 2020;9(4):1035.
16. Poznyak A, Grechko A V, Poggio P, Myasoedova VA, Alfieri V, Orekhov AN. The diabetes mellitus-atherosclerosis connection: the role of lipid and glucose metabolism and chronic inflammation. *Int J Mol Sci.* 2020;21(5):1835.
17. Garg R, Aggarwal S, Kumar R, Sharma G. Association of atherosclerosis with dyslipidemia and co-morbid conditions: a descriptive study. *J Nat Sci Biol Med.* 2015;6(1):163–8.
18. Puspaseruni K. Tatalaksana Dislipidemia terkait Penyakit Kardiovaskular Aterosklerosis (ASCVD): Fokus pada Penurunan LDL-c. *Cermin Dunia Kedokt.* 2021;48(10):395.
19. Miura Y, Suzuki H. Hypertriglyceridemia and atherosclerotic carotid artery stenosis. *Int J Mol Sci.* 2022;23(24):16224.
20. Linton MF, Yancey PG, Davies SS, Jerome WG, Linton EF, Song WL, et al. The role of lipids and lipoproteins in atherosclerosis [Internet]. *Endotext.* 2019. Tersedia pada: <https://www.ncbi.nlm.nih.gov/books/NBK343489/>
21. Sala L La, Prattichizzo F, Ceriello A. The link between diabetes and atherosclerosis. *Eur J Prev Cardiol.* 2019;26(2_suppl):15–24.
22. Sanhia AM, Pangemanan DHC, Engka JNA. Gambaran kadar kolesterol low density lipoprotein (ldl) pada masyarakat perokok di pesisir pantai. *J eBiomedikA.* 2015;3(1).
23. Wolf D, Ley K. Immunity and inflammation in atherosclerosis. *Circ Res.* 2019;124(2):315–27.

24. Tyrrell DJ, Goldstein DR. Ageing and atherosclerosis: vascular intrinsic and extrinsic factors and potential role of IL-6. *Nat Rev Cardiol.* 2021;18(1):58–68.
25. Man JJ, Beckman JA, Jaffe IZ. Sex as a biological variable in atherosclerosis. *Circ Res.* 2020;126(9):1297–319.
26. Erizon E, Karani Y. Hdl Dan Aterosklerosis. *Hum Care J.* 2020;5(4):1123.
27. Zhang J. Biomarkers of endothelial activation and dysfunction in cardiovascular diseases. *Rev Cardiovasc Med.* 2022;23(2):73.
28. Chistiakov DA, Melnichenko AA, Myasoedova VA, Grechko A V, Orekhov AN. Mechanisms of foam cell formation in atherosclerosis. *J Mol Med.* 2017;95(11):1153–65.
29. Shi J, Yang Y, Cheng A, Xu G, He F. Metabolism of vascular smooth muscle cells in vascular diseases. *Am J Physiol.* 2020;319(3):613–31.
30. Zhuge Y, Zhang J, Qian F, Wen Z, Niu C, Xu K, et al. Role of smooth muscle cells in cardiovascular disease. *Int J Biol Sci.* 2020;16(14):2741–2751.
31. Hermendy BE, Pawarti DR. Peran transforming growth factor beta (TGF-B) pada rinitis alergi. *J THT - KL FK Unair.* 2017;10(1):27–36.
32. Tyasasmaya T. The role of transforming growth factor β -1 (TGF β -1) in the development of heart disease caused by induction of high lipid diet. *J Sain Vet.* 2012;30(1):4–5.
33. Suwanabol PA, Seedial SM, Shi X, Zhang F, Yamanouchi D, Roenneburg D, et al. Transforming growth factor- β increases vascular smooth muscle cell proliferation through the Smad3 and extracellular signal-regulated kinase mitogen-activated protein kinases pathways. *J Vasc Surg.* 2012;56(2):446–54.
34. Rudijanto A. The role of vascular smooth muscle cells on the pathogenesis of atherosclerosis. *Acta Med Indones.* 2007;39(2):86–93.
35. Mulyani GT. Peranan transforming growth factor-ft dalam pembentukan lesi aterosklerotik pada tikus pitith yang diberi diet aterogenik. *J Sain Vet.* 2003;21(1):40–1.
36. Yin Q, Jiang D, Li L, Yang Y, Wu P, Luo Y, et al. LPS promotes vascular smooth muscle cells proliferation through the TLR4/Rac1/Akt signalling pathway. *Cell Physiol Biochem.* 2017;44(6):2189–200.
37. Suzuki K, Susaki EA, Nagaoka I. Lipopolysaccharides and cellular senescence: involvement in atherosclerosis. *Int J Mol Sci.*

2022;23(19):11148.

38. Jiang D, Yang Y, Li D. Lipopolysaccharide induced vascular smooth muscle cells proliferation: a new potential therapeutic target for proliferative vascular diseases. *Cell Prolif.* 2017;50(2):e12332.
39. Fuadiyah D, Ratnawaty R, Soebijakto BA. Pengaruh lama paparan lps (lipopolisakarida) *Phorpyromonas gingivalis* sebagai induktor periodontitis terhadap kadar ldl dan hdl tikus wistar (*Rattus norvegicus*). *E-Prodenta J Dent.* 2017;1(2):54–67.
40. Datu O, Sumalong FP. Efek pemberian alpha lipoic acid pada endotel tikus putih yang diinduksi lipopolisakarida. *Pharmacon.* 2020;9(1):125–30.
41. Widyawati T, Aulanni'am, A.P. DAO. Pengaruh induksi lipopolisakarida (lps) terhadap profil protein dan aktivitas enzim protease pada otak tikus putih (*Rattus norvegicus*). Brawijaya University; 2014.
42. He X, Liang B, Gu N. Th17/treg imbalance and atherosclerosis. *Dis Markers.* 2020;2020: 8821.
43. Sun L, Xiu M, Wang S, Brigstock DR, Li H, Qu L, et al. Lipopolysaccharide enhances TGF- β 1 signalling pathway and rat pancreatic fibrosis. *J Cell Mol Med.* 2018;22(4):2346–56.
44. Schweizer M, Adwent I, Grabarek BO, Boroń D. Analysis of the influence of adalimumab to the expression pattern of mRNA and protein of TGF- β 1-3 in dermal fibroblast exposed to lipopolysaccharide. *Postep Dermatol Alergol.* 2021;38(4):597–602.
45. Bhattacharyya S, Kelley K, Melichian DS, Tamaki Z, Fang F, Su Y, et al. Toll-like receptor 4 signaling augments transforming growth factor- β responses: A novel mechanism for maintaining and amplifying fibrosis in scleroderma. *Am J Pathol.* 2013;182(1):192–205.
46. Zhu SB, Zhu J, Zhou ZZ, Xi EP, Wang RP, Zhang Y. TGF- β 1 induces human aortic vascular smooth muscle cell phenotype switch through PI3K/AKT/ID2 signaling. *Am J Transl Res.* 2015;7(12):2764–74.
47. Rodríguez AI, Csányi G, Ranayhossaini DJ, Feck DM, Blose KJ, Assatourian L, et al. MEF2B-Nox1 signaling is critical for stretch-induced phenotypic modulation of vascular smooth muscle cells. *Arter Thromb Vasc Biol.* 2015;35(2):430–8.
48. Karagiannis GS, Weile J, Bader GD, Minta J. Integrative pathway dissection of molecular mechanisms of moxLDL-induced vascular smooth muscle phenotype transformation. *BMC Cardiovasc Disord.* 2013;13(4):1471–2261.

49. Lim S, Park S. Role of vascular smooth muscle cell in the inflammation of atherosclerosis. *BMB Rep.* 2014;47(1):1–7.
50. Zhang X, Dong H, Zhang S, Lu S, Sun J, Qian Y. Enhancement of LPS-induced microglial inflammation response via TLR4 under high glucose conditions. *Cell Physiol Biochem.* 2015;35(4):1571–81.
51. Jain M, Singh A, Singh V, Barthwal MK. Involvement of interleukin-1 receptor-associated kinase-1 in vascular smooth muscle cell proliferation and neointimal formation after rat carotid injury. *Arter Thromb Vasc Biol.* 2015;35(6):1445–55.
52. Płóciennikowska A, Hromada-Judycka A, Borzęcka K, Kwiatkowska K. Cooperation of TLR4 and raft proteins in LPS-induced pro-inflammatory signaling. *Cell Mol Life Sci.* 2015;72(3):557–81.

