

DAFTAR PUSTAKA

1. WHO (2016). Country Statistics. World Health Organization. www.who.int/nmh/countries/idn_en.pdf -- Diakses September 2019.
2. WHO (2016). Cardiovascular diseases. World Health Organization. <https://www.who.int/health-topics/cardiovascular-diseases/>-- Diakses September 2019.
3. Mozaffarian D, Benjamin EJ, Go AS, et al. Executive summary: heart disease and stroke statistics—2016 update. *J Am Heart Assoc.* 2016 Jan 26; 133(4): 447–54.
4. DEPKES (2013). Riset kesehatan dasar 2013. Departemen Kesehatan RI. <https://www.depkes.go.id/resources/download/general/Hasil%20Risikesdas%202013.pdf> – diakses 8 September 2019
5. Hussain MA, Al Mamun A, Peters SA, Woodward M, Huxley RR. The burden of cardiovascular disease attributable to major modifiable risk factors in indonesia. *J Epidemiol.* 2016 Mar 26; 26(10): 515–21.
6. Martiniuk AL, Lee CM, Lawes CM, Ueshima H, Suh I, Lam TH. Hypertension: its prevalence and population-attributable fraction for mortality from cardiovascular disease in the asia-pacific region. *J Hypertens.* 2007 Jan; 25(1):73-9.
7. Campbell, LA, Rosenfeld ME. Infection and atherosclerosis development. *Arch Med Res.* 2015 Apr 25; 46(5): 339–50.
8. Libby P, Theroux P. Pathophysiology of Coronary Artery Disease. *J Am Heart Assoc.* 2005; 111(25): 3481–88.
9. Torres N, Guevara-cruz M, Velázquez-villegas LA, Tovar AR. Nutrition and atherosclerosis. *Arch Med Res.* 2015 Apr 21; 46(5): 408–26.
10. Messner B, Knoflach M, Seubert A, Ritsch A, Pfaller K, Henderson B, et al. Cadmium is a novel and independent risk factor for early atherosclerosis mechanisms and in vivo relevance. *Arterioscler Thromb Vasc Biol.* 2009 Sep;29(9):1392-8.

11. Borné Y, Fagerberg B, Persson M, Östling G, Söderholm M, Hedblad B, et al. Cadmium, carotid atherosclerosis, and incidence of ischemic stroke. *J Am Heart Assoc.* 2017 Des 2; 6(12).
12. ATSDR. (2012). Toxicological Profile for Cadmium. Agency for toxic substance and disease registry. <https://www.atsdr.cdc.gov/toxprofiles/tp.asp?id=48&tid=15> – diakses September 2019
13. Lopes AC, Navas-Acien A, Zamoiski R, Silbergeld EK, Carvalho MF, Buzzo ML, et al. Risk factors for lead exposure in adult population in southern Brazil. *Environ Health Perspect.*
14. Olmedo-Palma P, Fretts P, Grau M, Tellez-Plaza M, Franceschini N, Umans JG, et al. Processed meat and other dietary determinants of cadmium exposure: evidence from the strong heart family study. *Environ Health Perspect.* 2016 Jun; 2016(1).
15. Satarug S, Garrett SH, Sens MA, Sens DA. Cadmium, environmental exposure, and health outcomes. *Environ Health Perspect.* 2010 Feb 2; 118(2): 182-90.
16. Lee BK, Ahn J, Kim NS, Lee CB, Park J, Kim Y. Association of blood pressure with exposure to lead and cadmium: analysis of data from the 2008–2013 Korean national health and nutrition examination survey. *Biol Trace Elem Res.* 2016 Apr 16; 174(1): 40–51.
17. Barregard L, Sallsten G, Fagerberg B, Borné Y, Persson M, Hedblad B, et al. Blood cadmium levels and incident cardiovascular events during follow-up in a population-based cohort of Swedish adults: the Malmö diet and cancer study. *Environ Health Perspect.* 2016 May 1; 124(5): 594-600.
18. Gallagher CM, Meliker JR. Blood and urine cadmium, blood pressure, and hypertension: a systematic review and meta-analysis. *Environ Health Perspect.* 2010 Dec 1; 118(12): 1676-84.
19. Perry HM, Erlanger M, Perry EF. Increase in the systolic pressure of rats chronically fed cadmium. *Environ Health Perspect.* 1979 Feb; 28: 251–60.

20. Satarug S, Nishijo M, Ujjin P, Vanavanitkun Y, Moore MR. Cadmium-induced nephropathy in the development of high blood pressure. *Toxicology Letters*. 2006 Feb 26; 157(1): 57–68.
21. Tellez-Plaza M, Navas-Acien A, Crainiceanu CM, Guallar E. Cadmium Exposure and Hypertension in the 1999–2004 National Health and Nutrition Examination Survey. 2008; 116(1): 77-83.
22. Garner RE, Levallois P. Associations between cadmium levels in blood and urine, blood pressure and hypertension among Canadian adults. *Environ Res*. 2017 May; 155:64-72.
23. Morrow H. Cadmium and Alloys. *Kirk-Othmer Encyclopedia of Chemical Technology*. 2010; 74-9
24. WHO (2016). Cadmium. World Health Organization. [www.euro.who.int › AQG2ndEd_6_3Cadmium](http://www.euro.who.int/AQG2ndEd_6_3Cadmium) -- Diakses September 2019
25. SEPA (2015). Scottish Pollutant Inventory. Scottish Environment Protection Agency. <http://apps.sepa.org.uk/sripa/Pages/SubstanceInformation.aspx?pid=102> – diakses September 2019.
26. United State Departement of Labor. Cadmium. Occupational Safety and Health Administration. <https://www.osha.gov/SLTC/cadmium/> -- diakses September 2019
27. Tchounwou PB, Yedjou CG, Patlolla AK, Sutton DJ. Heavy metals toxicity and the environment. *EXS*. 2012; 101: 133–164.
28. Grant CA , Buckley WT , Bailey LD, Selles F. Cadmium accumulation in crops. *Can. J Plant Sci*. 2008. 78(1): 1-17.
29. WHO (2013). Cadmium. World Health Organization. [https://www.who.int › assessment › nmr_cadmium](https://www.who.int/assessment/nmr_cadmium) -- diakses September 2019
30. WHO (2015). Food Additives Contaminants. World Health Organization. <http://apps.who.int/food-additives-contaminants-jecfa-database/chemical.aspx?chemID=1376> – diakses September 2019.
31. WHO (2015). Water Sanitation Health. World Health Organization https://www.who.int/water_sanitation_health/publications/cadmium/en/ -- diakses September 2019

32. Nishijo M, Nakagawa H, Suwazono Y, Nogawa K, Kido T. Causes of death in patients with itai-itai disease suffering from severe chronic cadmium poisoning: a nested case-control analysis of a follow-up study in Japan. *BMJ Open*. 2017 Jul 13;7(7):e015694.
33. Kim K, Melough MM, Vance TM, Noh H, Koo SI, Chun OK. Dietary cadmium intake and sources in the us. *Nutrients* 2019; 11(2).
34. WHO (2011). Safety evaluation of certain food additives and contaminants. World Health Organization.
35. Piadé JJ, Jaccard G, Dolka C, Belushkin M, Wajrock S. Differences in cadmium transfer from tobacco to cigarette smoke, compared to arsenic or lead. *Toxicol Rep*. 2015; 2: 12–26.
36. Ashraf MW. Levels of Heavy Metals in Popular Cigarette Brands and Exposure to These Metals via Smoking. *Sci World J*. 2012; 2: 1-5.
37. Marano KM, Naufal ZS, Kathman SJ, Bodnar JA, Borgerding MF, Garner CD. Cadmium exposure and tobacco consumption: Biomarkers and risk assessment. *Regul Toxicol Pharmacol*. 2012 Nov; 64(2): 243-52.
38. Plaza MT, Navas-Acien A, Caldwell KL, Menke A, Muntner P, Guallar E. Reduction in cadmium exposure in the United States population, 1988-2008: the contribution of declining smoking rates. *Environ Health Perspect*. 2012 Feb;120(2):204-9.
39. Olmedo P, Goessler W, Tanda S, Grau-Perez M, Jarmul S, Aherrera A. Metal concentrations in e-cigarette liquid and aerosol samples: The Contribution of Metallic Coils. *Environ Health Perspect*. 2018 Feb 21; 126(2): 027010.
40. Kjellström T, Nordberg GF. A kinetic model of cadmium metabolism in the human being. *Environ Res*. 1978 Jul; 16(1-3): 248-69
41. Amzal B, Julin B, Vahter M, Wolk A, Johanson G, Akesson A. Population toxicokinetic modeling of cadmium for health risk assessment. *Environ Health Perspect*. 2009 Aug;117(8):1293-301
42. Tête N, Afonso E, Bouguerra G, Scheifler R. Blood parameters as biomarkers of cadmium and lead exposure and effects in wild wood mice (*Apodemus*

- sylvaticus) living along a pollution gradient. *Chemosphere*. 2015 Nov;138:940-6. doi: 10.1016/
43. Bernhoft RA. Cadmium Toxicity and Treatment. *Sci World J*. 2013; 2(1): 43-7.
 44. Shaikh ZA, Smith LM. Biological indicators of cadmium exposure and toxicity. *Experientia*. 1984 Jan 15;40(1):36-43.
 45. Matović V, Buha A, Bulat Z, Dukić-Ćosić D. Cadmium toxicity revisited: focus on oxidative stress induction and interactions with zinc and magnesium. *Arh Hig Rada Toksikol*. 2011 Mar;62(1):65-76.
 46. Cuypers A, Plusquin M, Remans T, Jozefczak M, Keunen E, Gielen H, et al. Cadmium stress: an oxidative challenge. *Biometals*. 2010 Oct;23(5):927-40.
 47. Schauder A, Avital A, Malik Z. Regulation and gene expression of heme synthesis under heavy metal exposure--review. *J Environ Pathol Toxicol Oncol*. 2010;29(2):137-58.
 48. Wang B, Li Y, Shao C, Tan Y, Cai L. Cadmium and its epigenetic effects. *Curr Med Chem*. 2012;19(16):2611-20.
 49. Cannino G, Ferruggia E, Luparello C, Rinaldi AM. Cadmium and mitochondria. *Mitochondrion*. 2009 Nov;9(6):377-84.
 50. Johnston JE, Valentiner E, Maxson P, Miranda ML, Fry RC. Maternal cadmium levels during pregnancy associated with lower birth weight in infants in a North Carolina cohort. *PLoS One*. 2014;9(10):e109661.
 51. Shaikh ZA, Vu TT, Zaman K. Oxidative stress as a mechanism of chronic cadmium-induced hepatotoxicity and renal toxicity and protection by antioxidants. *Toxicol Appl Pharmacol*. 1999 Feb 1;154(3):256-63.
 52. Taha MM, Mahdy-Abdallah H, Shahy EM, Ibrahim KS, Elserougy S. Impact of occupational cadmium exposure on bone in sewage workers. *Int J Occup Environ Health*. 2018; 24(3-4): 101–108.
 53. Huff J, Lunn RM, Waalkes MP, Tomatis L, Infante PF. Cadmium-induced cancers in animals and in humans. *Int J Occup Environ Health*. 2007;13(2):202-12.

54. Akesson A, Lundh T, Vahter M, Bjellerup P, Lidfeldt J, Nerbrand C, et al. Tubular and glomerular kidney effects in Swedish women with low environmental cadmium exposure. *Environ Health Perspect.* 2005; 113(11): 1627-31.
55. Åkesson A, Bjellerup P, Lundh T, Lidfeldt J, Nerbrand C, Samsioe G, et al. Cadmium-Induced Effects on Bone in a Population-Based Study of Women. *Environ Health Perspect.* 2006; 114(6): 830–834.
56. Tellez-Plaza M, Jones MR, Dominguez-Lucas A, Guallar E, Navas-Acien A. Cadmium exposure and clinical cardiovascular disease: a systematic review. *Curr Atheroscler Rep.* 2013;15(10):356.
57. Tellez-Plaza M, Jones MR, Dominguez-Lucas A, Guallar E, Navas-Acien A, et al. Cadmium, atherosclerosis and cardiovascular disease. *Curr Atheroscler Rep.* 2013; 15(10): 10.1007/s11883-013-0356-2.
58. Valko M, Morris H, Cronin MT. Metals, toxicity and oxidative stress. *Curr Med Chem.* 2005; 12(10):1161–1208.
59. Wang Q, Wei S. Cadmium affects blood pressure and negatively interacts with obesity: Findings from NHANES 1999-2014. *Sci Total Environ.* 2018 Dec 1;643:270-276.
60. Mordukhovich I, Wright RO, Hu H, Amarasinghwardena C, Baccarelli A, Litonjua A, et al. Associations of toenail arsenic, cadmium, mercury, manganese, and lead with blood pressure in the normative aging study. *Environ Health Perspect.* 2012;120(1):98-104.
61. Kopp SJ, Perry HM Jr, Perry EF, Erlanger M. Cardiac physiologic and tissue metabolic changes following chronic low-level cadmium and cadmium plus lead ingestion in the rat. *Toxicol Appl Pharmacol.* 1983 Jun 15;69(1):149-60.
62. Kadmiunc. (2015). Coronary Artery Disease (CAD). Center of Disease Control and Prevention. https://web.archive.org/web/20150302152003/http://www.Kadmiunc.gov/heartdisease/coronary_ad.htm -- diakses 29 September 2019
63. Chilton RJ. Pathophysiology of coronary heart disease: a brief review. *J Am Osteopath Assoc.* 2004 Sep;104(9 Suppl 7):S5-8.

64. NHS (2017). Coronary Heart Disease. National Heart Service United Kingdom. <https://www.nhs.uk/conditions/coronary-heart-disease/> -- diakses 2 November 2019
65. Global Burden of Disease Study 2013 Collaborators. Global, regional, and national incidence, prevalence, and years lived with disability for 301 acute and chronic diseases and injuries in 188 countries, 1990–2013: a systematic analysis for the Global Burden of Disease Study 2013. *The Lancet*. 2015; 386:743-800.
66. Benjamin EJ, Virani SS, Callaway CW, Chamberlain AM, Chang AR, Cheng S, et al. Heart Disease and Stroke Statistics—2018 Update: A Report From the American Heart Association. *Circulation*. 2018; 137(12): 143-5
67. WHO (2013). Overview : The Atlas of Heart Disease and Stroke. World Health Organization. https://www.who.int/cardiovascular_diseases/resources/atlas/en/ -- diakses pada 3 November 2019
68. Mozaffarian D, Benjamin EJ, Go AS, Arnett DK, Blaha MJ, Cushman M, et al. Heart disease and stroke statistics--2015 update: a report from the American Heart Association. *Circulation*. 2015 Jan 27;131(4):e29-322.
69. NHS (2017). Health Survey for England, 2017 : Cardiovascular disease. National Health Service. <https://digital.nhs.uk/data-and-information/publications/statistical/health-survey-for-england/2017> -- diakses 4 November 2019.
70. Ueshima H, Sekikawa A, Miura K, Turine CT, Takashima N, Kita Y, et al. Cardiovascular Disease and Risk Factors in Asia: A Selected Review. *Circulation*. 2008; 118(25): 2702–2709.
71. DEPKES (2014). Survei Sample Regristration System. Kementrian Kesehatan RI. <https://www.depkes.go.id/article/view/17073100005/cardiovascular-disease-is-the-number-one-cause-of-death-the-ministry-of-health-emphasize-on-cerdik-p.html>-- diakses 10 November 2019

72. DEPKES (2018). Hasil Riset Kesehatan Dasar. Kementerian Kesehatan RI. <https://www.google.com/search?client=firefox-b-d&q=riskedas+2018> – diakses 10 November 2019
73. Hansson GK. Inflammation, atherosclerosis, and coronary artery disease. *N Engl J Med.* 2005;352(16):1685–95.
74. Falk E. Pathogenesis of atherosclerosis. *J Am Coll Cardiol.* 2006 Apr 18;47(8 Suppl):C7-12.
75. Rafieian-Kopaei, Setorki M, Doudi M, Baradaran A, Nasri H. Atherosclerosis: Process, Indicators, Risk Factors and New Hopes. *Int J Prev Med.* 2014 Aug; 5(8): 927–946.
76. Ueshima H, Sekikawa A, Miura K, et al. Cardiovascular disease and risk factors in Asia: a selected review. *Circulation.* 2008;118(25):2702–2709.
77. Singh RB, Suh IL, Singh VP, Chaithiraphan S, Laothavorn P, et al. Hypertension and stroke in asia. *J Hum Hypertens.* 2000; 14 : 749-763.
78. Asgary S, Sahebkar A, Afshani MR, Keshvari M, Haghjooyjavanmard S, Rafieian-Kopaei M. Clinical evaluation of blood pressure lowering, endothelial function improving, hypolipidemic and anti-inflammatory effects of pomegranate juice in hypertensive subjects. *Phytother Res.* 2014 Feb;28(2):193-9.
79. Ross R. Atherosclerosis--an inflammatory disease. *N Engl J Med.* 1999 Jan 14;340(2):115-26.
80. 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.* 2019;14(4):e0215219.
81. Kianoush S, Yakoob MY, Al-Rifai M, DeFilippis AP, Bittencourt MS, Duncan BB, et al. Associations of Cigarette Smoking With Subclinical Inflammation and Atherosclerosis: ELSA-Brasil (The Brazilian Longitudinal Study of Adult Health). *J Am Heart Assoc.* 2017 Jun 24;6(6).

82. Wang Z, Wang D, Wang Y. Cigarette Smoking and Adipose Tissue: The Emerging Role in Progression of Atherosclerosis. *Mediators Inflamm.* 2017;2017:3102737.
83. Li J, Liu S, Cao G, et al. Nicotine induces endothelial dysfunction and promotes atherosclerosis via GTPCH1. *J Cell Mol Med.* 2018;22(11):5406–5417.
84. Lubby P, Theroux P. Pathophysiology of Coronary Artery Disease. *Circulation.* 2005; 111(25). 3481–3488.
85. Blankenberg S, Barboux S, Tiret L. Adhesion molecules and atherosclerosis. *Atherosclerosis.* 2003;170:191–203
86. Green, S.B. How many subjects does it take to do a regression analysis? *Multivariate Behavioral Research.* 1991; 26:499-510
87. Prodia (2020). *Prosedur pengambilan sampel kadmium.* Jakarta.
88. Gobe G, Crane D. Mini review: mitochondria, reactive oxygenspecies and cadmium toxicity in the kidney. *Toxicol Lett.*2010;198:49–55.
89. Uetani M, Kobayashi E, Suwazono Y, Nishijo M, Nakagawa H, Kido T, Nogawa K. Smoking does not influence cadmium concentrations in blood and urine in relatively high levels of environmental cadmium areas in Japan. *Biol Trace Elem Res.* 2006;110(2):107-18.
90. Staessen JA, Kuznetsova T, Roels HA, Emelianov D, Fagard R. Exposure to cadmium and conventional and ambulatory blood pressures in a prospective population study. *J Hyper.* 2000; 13(2): 146–56.
91. Tellez-Plaza M, Navas-Acien A, Crainiceanu CM, Guallar E. Cadmium exposure and hypertension in the 1999-2004 National Health and Nutrition Examination Survey (NHANES). *Environ Health Perspect.* 2008;116(1):51-6.
92. Oliver-Williams C, Navas-Acien A, Howard A, Tellez-Plaza B, Nora MF. Cadmium body burden, hypertension and changes in blood pressure over time: Results from a prospective cohort study in American Indians. *J Am Soc Hypertens.* 2018; doi:12. 10.1016/j.jash.2018.03.002.
93. Schumann B, Seidler A, Kluttig A, Werdan K, Haerting J, Greiser KH. Association of occupation with prevalent hypertension in an elderly East

- German population: an exploratory cross-sectional analysis. *Int Arch Occup Environ Health*. 2011;84(4):361-9
94. Ganguly K, Levänen B, Palmberg L, Åkesson A, Lindén A. Cadmium in tobacco smokers: a neglected link to lung disease?. *Eur Respir Rev*. 2018;27(147):170122.
95. Kim, Y. Effect of Iron Deficiency on the Increased Blood Divalent Metal Concentrations. *Intech Open*.2018;10.5772/intechopen.78958.
96. Suh YJ, Lee JE ,Lee DH, Yi HG, Lee MH , Kim CS, et al. Prevalence and Relationships of Iron Deficiency Anemia with Blood Cadmium and Vitamin D Levels in Korean Women. *J Korean Med Sci* 2016; 31: 25-32.
97. Hajar R. Risk Factors for Coronary Artery Disease: Historical Perspectives. *Heart Views*. 2017; 18(3): 109–14.
98. Maas AHEM, Appelman YEA. Gender differences in coronary heart disease. *Neth Heart J*. 2010; 18(12): 598–602.
99. Aybike D, Servet I, Gorkem M, Ahmet D, Tulin S. Effects of age, gender, BMI, settlement and smoking on lead and cadmium accumulation in heart tissue. *Int Med J*. 2017; 10.5455/medscience.2017.06.8615.
100. Asgary S, Movahedian A, Keshvari M, Taleghani M, Sarrafzadegan N, Sahebka A. Serum levels of Lead, Mercury and Cadmium in Relation to Coronary Artery Disease in the Elderly: A Cross-Sectional Study. *Chem*. 2017
101. Jura M, Kozak LP. Obesity and related consequences to ageing. *Age (Dordr)*. 2016; 38(1): 23.
102. Feingold KR, Anawalt B, Boyce A. Obesity in the Elderly. *South Dartmouth*. 2018;28(2).
103. Kim SH, Kim YH, Chan An Y, Sung JH, Sim CS. Levels of blood lead and urinary cadmium in industrial complex residents in Ulsan. *Ann Occup Environ Med*. 2017; 29: 26.
104. Adams SO, Newcomb PA. Cadmium blood and urine concentrations as measures of exposure: NHANES 1999-2010. *J Expo Sci Environ Epidemiol*. 2014;24(2):163-70.

105. Tavakkoli L, Khanjani N. Environmental and Occupational Exposure to Cadmium in Iran: A Systematic Review. *Rev Environ Health*. 2016;31(4):457-463.
106. Baloch S, Kazi TG, Baig JA, Afridi HI, Arain MB. Occupational exposure of lead and cadmium on adolescent and adult workers of battery recycling and welding workshops: Adverse impact on health. *Sci Tot Environ*. 2020; 720:137549.
107. Kawasaki T, Kono K, Dote T, Usuda K, Shimizu H, Dote H. Markers of Cadmium Exposure in Workers in a Cadmium Pigment Factory After Changes in the Exposure Conditions. *Toxicol Ind Health*. 2004;20(1-5):51-6.

