DAFTAR PUSTAKA

1. U.S Geological Survey; Cadmium statistics and information. 2013. http://minerals.usgs.gov/minerals/pubs/commodity/cadmium/index.html-myb. Diakses maret 2019.

2. Widowati W, Sastiono A, Jusuf R. Efek toksik logam dan penanggulangan pencemaran. Penerbit Andi. Yogyakarta;2008.

3. Jafarpour D, Shekarforoush S, Ghaisari HR. Protective effect of synbiotics diet of *bacillus coagulans, Lactobacilus plantarum,* and inulin against acute cadmium toxicity in rats. BMC Complementary alternative medicine 2017;17(1):291.

4. Weiner ER. Applications of environmental aquatic chemistry A practical guide, second edition. CRC press. USA;2008.

5. Faroon O, Ashizawa A, Wright S. Toxicological profile for cadmium. US Department of Health and Human Services. Atlanta;2012.

6. Suzuki S, Djuaningsih N, Hyodo K, Soemarwoto O. Cadmium, copper, and zinc in rice produced in java. Arch environm contam. 1980;9:437-49.

7. Harahap, Naria VN, Evi. Analisa kandungan Cd dalam beras yang berasal dari tanaman padi di sekitar TPA Namo Bintang Kecamatan Pancur Batu Kabupaten Deli Serdang tahun 2013. Medan;2014.

8. Standar nasional Indonesia. Badan standardisasi Indonesia tahun 2009 tentang batas maksimum cemaran logam berat dalam pangan.

9. Chunhabundit R. Cadmium exposure and potential health risk from foods in contamined area. Toxicol res. 2016;32(1):65-72.

10. Haouem S. Abdelhamid EH. Effect of cadmium on lipid peroxidation and on some antioxidants in the liver, kidneys and testes of rats given diet containing cadmium-polluted radish bulb. Journal of toxicologic pathology. 2013;26(4): 359-64.

11. Silver MK, Lozoff B, Meeker JD. Blood cadmium is elevated in iron deficient U.S. children: a cross-sectional study. Environ Health. 2013;12:117.

12. Buchet Jp, Lauwerys R, Roels H, Bernard A, Bruaux P, Claeys F, et al. Renal Effects of cadmium body burden of the general population. Lancet. 1990;336:699-702.

13. Rahimzadeh MR, Rahimzadeh MR, Kazemi S, Moghadamnia AA. cadmium toxicity and treatment: an update. Caspian J internal MEd. 2017;8(3): 135-45.

14. Stowe HD, Wilson M, Goyer RA. Clinical and morphological effects of oral cadmium toxicity in rabbits. Arch Pathol. 1972;94:389-405.

15. Rikans LE, Yamano T. Mechanism of cadmium mediated hepatotoxicity. Biochemistry mol toxicology. 2000;14(2):110-7.

16. Budijanto A, Oemijati S, Setiabudy R. Pedoman Etik Penelitian Kedokteran Indonesia. Penerbit FKUI. Jakarta;1987.

17. Sihombing M, Raflizar. Status gizi dan Fungsi Hati Mencit (Galur CBS-Swiss) dan Tikus Putih Galur Wistar di Laboratorium Hewan Percobaan Puslitband Biomedis dan Farmasi. Media Litbang Kesehatan. 2010;10(1):33-40.

18. Hau J, Gerald L, Hoosier V. Handbook of laboratory animal science. CRC Press. USA;2003.

19. Hutton. Sources of cadmium in environment. Ecotoxicology and enviromental safety. 1983;7(1):9-24.

20. Nordic Council of minister. Cadmium review. 2003;1(4):14-5.

21. Waalkes MP. Cadmium carcinogenesis. Mutat Res. 2003;533: 107-20.

22. Herron N. Cadmium compounds. Kirk-Othmer encyclopedia of chemical technology. Vol. 4. John Wiley & Sons, Inc. 2003;4:507-523.

23. Seidal K. Beryllium, cadmium, mercury, and exposures in the glass manufacturing industry. 58th edition. Lyon: IARC monographs on the evaluation of carcinogenic risks to human. lyon;1993.

24. Godt J, Scheidig F, Esche V. The toxicity of cadmium and resulting hazard for human health. Journal of occupational medicine and toxicology. London;2006.

25. Prozialeck WC, Edwards JR. Mechanismes of cadmium-induced proximal tubule injury: new insight with implications for biomonitoring and therapeutic interventions. J Pharmacol Exp Ther. 2012;343(1):2-12.

26. Blum JL, Rosenblum LK, Grunig G, Beasley MB, Xiong JQ, Zelikoff JT. Short-term inhalation of cadmium oxide nanoparticles alters pulmonary dynamics associated with lung injury, inflammation, and repair in a mouse model. Inhal Toxicol. 2014;26(1):48-58.

27. Lind Y, Engman J, Jorhem L, Glynn AW. Cadmium accumulation in liver and kidney of mice exposed to the same weekly cadmium dose continuously or once a week. Food chem Toxicol. 1997;35(9):891-5.

28. Vanderpool RA, Reeves PG. Cadmium absorption in women fed processed

edible sunflower kernels labeled with a stable isotope of cadmium, 113Cd1. Environ Res. 2001;87(2):69–80.

29. Seidal K, Jorgensen N, Elinder C. Fatal cadmium induced pneumonitis. Scandinavian journal of work, environment and health. 1993;19(6):429-31.

30. Pizzorno J. The kidney dysfunction epidemic, part 1: causes. Inter med (encinitas). 2015;14(6):8-13.

31. Henson MC, Chedrese PJ. Endocrine disruption by cadmium, a common environmental toxicant with paradoxical effects on reproduction. Exp Biol Med (Maywood). 2004;229(5):383-92.

32. Cadmium and health in the 21st century-historical remarks and trends for the future. Nordberg GF biometals. 2004;17(5):458.

33. Inaba T, Kobayashi E, Suwazono Y, Uetani M. Estimation of cumulative cadmium intake causing itai-itai disease. Toxicology letters. 2005;159(2):192-201.

34. Liu J, Qu W, Kadiiska MB. Role of oxidative stress in cadmium toxicity and carcinogenesis. Toxicology application pharmacology. 2009;238(3):209-14.

35. Brzoska MM, Moniuszko JJ, Pilat MB. Liver and kidney function and histology in rats exposed to cadmium and ethanol. Alcohol and alcoholism (oxford, oxfordshire). 2003;38(1):2-10.

36. Ratnaningsih A. Pengaruh Cd terhadap gangguan patologik pada hati tikus percobaan. Jurnal matematika, saint, dan teknologi. 2003;4(1):45-53.

37. Young IS, Woodside JV. Antioxidants in health and disease. J clin pathology. 2001;54(3):176.

38. Valko M, Rhodes CJ, Moncol J, Izakovic M, Mazur M. Free radicals, metals and antioxidants in oxidative stress-induced cancer. Chem Biol Interact. 2006;160(1):1-40.

39. Miller DM, Buettner GR, Aust SD. Transition metals as catalysts of "autoxidation" reactions. Free radic biol med. 1990; 8(1):95-108.

40. Montazerifar F, Hashemi M, Karajibani M, Dikshit M. Hemodialysis Alters Lipid Profiles, Total Antioxidant Capacity, and Vitamins A, E, and C Concentrations in Humans. J Med Food. 2010;13(6):1490-3.

41. Church DF, Pryor WA. Free-radical chemistry of cigarette smoke and its toxicological implications. Environ health perspect. 1985;64:111.

42. Comhair SA, Thomassen MJ, Erzurum SC. Differential induction of

extracellular glutathione peroxidase and nitric oxide synthase 2 in airways of healthy individuals exposed to 100% O(2) or cigarette smoke. Am J Respir Cell Mol Biol. 2000;23:350-4.

43. Lobo V, Patil A, Phatak A. Free radicals, antioxidant and fucntional foods: impact on human health. Pharmacognosy review. 2010;4(8):118-26.

44. Sirait RC, Tjahjono DK, Setyawati AN. Pengaruh pemberian ekstrak jintan hitam (*Nigella sativa*) terhadap kadar MDA serum tikus *Sprague Dawley* setelah diberikan paparan asap rokok. Jurnal KEdokteran Diponegoro. 2016;5(4):1603-12.

45. Yustika A, Aulanni'am, dan Prasetyawan S (2013). Kadar MDA (MDA) dan gambaran histologi pada ginjal tikus putih (*rattus norvegicus*) pasca induksi cylosporine-a. Kimia Student Journal. 2013;1(2):222-8.

46. Murray RK, Granner DK, Mayes PA, Rodwell VW. Biokimia Harper edisi 24. EGC. Jakarta;1999.

47. Nilapwar SM, Nardelli M, Westerhoff HV, Verma M. Absorption Spectrophotometry. Method Enzymol. 2011;500:59-75.

48. Tsai MC, Huang TL. Thiobarbituric acid reactive substances is a state biomarker of oxidative stress in bipolar patients in a manic phase. Journal of affective disorders. 2015;173(1):22-6.

49. Sheu JY, Chen PH, Tseng WC, Chen CY, Tsai LY, Huang YL. Spectrophotometric determination of a thiobarbituric acid reactive substance in human hair. Anal sci. 2003;19(6):957-60.

50. Renugadevi J, Prabu SM. Cadmium-induced Hepatotoxicity in rats and the Protective Effect of Naringenin. Experimental and Toxicological Pathology. 2010;62:171-81.

51. Ibraheem AS, Seleem AA, El-sayed MF, Hamad BH. Single or combined cadmium and aluminium intoxication of mice liver and kidney with possible effect of zinc. The journal of basic and applied zoology. 2016;77:91-101.

52. Jawi IM, Suwardika IW, Linawati NM. Pencegahan Gangguan Fungsi Ginjal karena Stress Oksidatif pada Tikus Diabetes dengan Ubi Jalar Ungu. Jurnal Veteriner. 2014;15(2):274-80.

53. Momuat LI, Sangi MS, Purwati NP. Pengaruh VCO Mengandung ekstrak wortel terhadap peroksidasi lipid plasma. Jurnal ilmiah sains. 2013;11(2):296-301.

54. Place ZA, Johnson BC, Cushman LL. Estimation of product lipid peroxidation (Malonyl Dialdehyde) in biochemical systems. Analytical Biochemistry.

1966;16(2):359.

55. http://classes.kvcc.edu/chm120-orientation/LeftCupboard/spectronic_20.htm. Diakses Maret 2019.

56. Ahmad A, Singhal U, Hossain MM, Islam N, Rizvi I. The role of the endogenous antioxidant and malondialdehyde in essential hypertension. J Clin Diagn Res. 2013;7(6):987-90.

57. Aflanie I, Muhyi R, Suhartono E. Effect of heavy metal on malondialdehyde and advanced oxidation protein products concentration : A focus on arsenic, cadmium, and mercury. Journal of medical and bioengineering. 2015;4(4):332-7.

58. Birben E, Sahiner UM, Sackesen C, Erzurum S, Kalayci O. Oxidative stress and antioxidant defense. World Allergy Organ J. 2012;5(1):9-19.

59. Eneman JD, Potts RJ, Osier M, Shukla GS, Lee CH, Chiu JF, *et all.* Suppressed oxidant-induced apoptosis in cadmium adapted alveolar epithelial cells and its potential involvement in cadmium carcinogenesis. Toxicology. 2000;147(3):215-28.

60. Kang MY, Cho SH, Lim YH, Seo JC, Hong YC. Effects of environmental cadmium exposure on liver function in adults. Occupational and Environmental Medicine. 2013;70(4):268-73.