

DAFTAR PUSTAKA

1. Webster KA. Evolution of the coordinate regulation of glycolytic enzyme genes by hypoxia. *J Exp Biol.* 2003;206(17):2911–22
2. Kumar H, Choi D-K. Hypoxia Inducible Factor Pathway and Physiological Adaptation: A Cell Survival Pathway? *Mediators Inflamm.* 2015;2015:1–11
3. Wheaton WW, Chandel NS. Hypoxia. 2. Hypoxia regulates cellular metabolism. *Am J Physiol Cell Physiol.* 2011;300(3):C385–93
4. Szyłberg Ł, Bodnar M, Michalski J, Maciejewska M, Marszałek A. Inflammation and hypoxia in atherosclerosis, coronary artery disease, and heart failure. *Med Res J.* 2015;3(2):46–54
5. Lobo V, Patil A, Phatak A, Chandra N. Free radicals, antioxidants and functional foods: Impact on human health. *Pharmacogn Rev.* 2010;4(8):118–26
6. Zhang J, Wang X, Vikash V, Ye Q, Wu D, Liu Y, et al. ROS and ROS-Mediated Cellular Signaling. *Oxid Med Cell Longev.* 2016;2016:1–18
7. Santos CXC, Anilkumar N, Zhang M, Brewer AC, Shah AM. Redox signaling in cardiac myocytes. *Free Radic Biol Med.* 2011;50(7):777–93
8. He F, Zuo L. Redox Roles of Reactive Oxygen Species in Cardiovascular Diseases. *Int J Mol Sci.* 2015;16(11):27770–80
9. Gawęł S, Wardas M, Niedworok E, Wardas P. [Malondialdehyde (MDA) as a lipid peroxidation marker]. *Wiad Lek.* 2004 ;57(9–10):453–5
10. Ayala A, Muñoz MF, Argüelles S, et.al. Lipid peroxidation: production, metabolism, and signaling mechanisms of malondialdehyde and 4-hydroxy-2-nonenal. *Oxid Med Cell Longev.* 2014;2014:360438
11. Nimse SB, Pal D. Free radicals, natural antioxidants, and their reaction mechanisms. *RSC Adv.* 2015;5(35):27986–8006
12. Pathak C, Jaiswal YK, Vinayak M. Queuine promotes antioxidant defence system by activating cellular antioxidant enzyme activities in cancer. *Biosci Rep.* 2008;28(2):73
13. Ejelonu BC. The chemical constituents of calabash (*Crescentia cujete*). *African J Biotechnol.* 2011;10(84)
14. Biddle C. AANA Journal course: Update for nurse anesthetists - Oxygen: The two-faced elixir of life. *AANA J.* 2008;76(1):61–8.
15. Lane N. *Oxygen—the Molecule that made the World.* Oxford: Oxford University Press; 2002. p. 1–15.
16. Rodwell, GF—Lavoisier, Priestley, and the Discovery of Oxygen. *Nature Publishing Group;* 1882. p. 8-10
17. Salin K, Auer SK, Rey B, Selman C, Metcalfe NB. Variation in the link between oxygen consumption and ATP production, and its relevance for animal performance. *Proceedings Biol Sci.* 2015;282(1812):20151028.
18. Essop MF. Cardiac metabolic adaptations in response to chronic hypoxia. *J Physiol.* 2007;584(Pt 3):715–26
19. Flora R, Freisleben H-J, Ferdinal F, Wanandi SI, Sadikin M. Correlation of hypoxia inducible factor-1 α and vascular endothelium growth factor in rat myocardium during aerobic and anaerobic exercise. 2012;21(3)

20. El Hasnaoui-Saadani R. Adaptations to Chronic Hypoxia Combined with Erythropoietin Deficiency in Cerebral and Cardiac Tissues. In: Hypoxia and Human Diseases. InTech; 2017
21. Halliwell B. Reactive oxygen species in living systems: Source, biochemistry, and role in human disease. *Am J Med.* 1991;91(3):S14–22
22. Fromm S, Senkler J, Eubel H, Peterhänsel C, Braun HP. Life without complex I: Proteome analyses of an Arabidopsis mutant lacking the mitochondrial NADH dehydrogenase complex. *J Exp Bot.* 2016;67(10):3079–93.
23. Murphy MP. How mitochondria produce reactive oxygen species. *Biochem J.* 2009;417(1):1–13
24. Cui H, Kong Y, Zhang H. Oxidative stress, mitochondrial dysfunction, and aging. *J Signal Transduct.* 2012;2012:646354
25. Birben E, Sahiner UM, Sackesen C, Erzurum S, Kalayci O. Oxidative stress and antioxidant defense. *World Allergy Organ J.* 2012;5(1):9–19
26. Avery S V. Molecular targets of oxidative stress. *Biochem J.* 2011;434(2):201–10
27. Repetto M, Semprine J, Boveris A. Lipid Peroxidation: Chemical Mechanism, Biological Implications and Analytical Determination. *Lipid Peroxidation.* 2012
28. Grays. 2000. Heart. *Grays Anatomy. Thirty-Eighth edition.* Churchill Livingstone. New York
29. Sherwood, L. 2014. Fisiologi manusia : dari sel ke sistem. Edisi 8. Jakarta: EGC
30. Anulika NP, Ignatius EO, Raymond ES, Osasere O, Hilda A. The Chemistry Of Natural Product : Plant Secondary Metabolites. 2016;4(8):1–8
31. Das N, Islam ME, Jahan N, Islam MS, Khan A, Islam MR, et al. Antioxidant activities of ethanol extracts and fractions of *Crescentia cujete* leaves and stem bark and the involvement of phenolic compounds. *BMC Complement Altern Med.* 2014;14(1):45
32. Jackson SJ, Andrews N, Ball D, Bellantuono I, Gray J, Hachoumi L, et al. Does age matter? The impact of rodent age on study outcomes. *Lab Anim.* 2017;51(2):160–9
33. Sengupta P. The Laboratory Rat: Relating Its Age With Human's. *Int J Prev Med.* 2013;4(6):624–30
34. Brower M, Grace M, Kotz CM, Koya V. Comparative analysis of growth characteristics of Sprague Dawley rats obtained from different sources. *Lab Anim Res.* 2015;31(4):166–73
35. Adiyati NP. Ragam Jenis Ektoparasit pada Hewan Coba Tikus Putih (*Rattus Norvegicus*) Galur Sprague Dawley. Fakultas Kedokteran Hewan Institut Pertanian Bogor. 2011
36. T Federer W. Experimental design: theory and application. Oxford and IBH Publishing co.; Calcutta.1955
37. Iqbal E, Abu K, Lim LBL. Phytochemical screening , total phenolics and antioxidant activities of bark and leaf extracts of *Goniothalamus velutinus* (Airy Shaw) from Brunei Darussalam. *J King Saud Univ - Sci.* 2015;27(3):224–32.
38. Blois MS. Antioxidant determinations by the use of a stable free radical. *Nature.* 1958;29(1199-1200).

39. Singleton VL, Rossi JA. Colorimetry of total phenolics with phosphomolybdc-phosphotungstic acid reagents. *Am J Enol Vitic.* 1965;16:144
40. Woisky, R. and Salatino, A. 1998. Anaysis of propolis: some parameters and procedures for chemical quality control. *J. Apic. Res.* 37: 99-105.
41. Meyer BN, Ferigni NA, Putnam JE, Jacobsen LB, Nichols DE, McLaughli JL. Brine Shrimp: A Convenient General Bioassay for Active Plant Constituent. *Journal of Medicinal Plant Research.* 1982;45:31-4.
42. Gower JD, Wills ED. The oxidation of benzo[a]pyrene mediated by lipid peroxidation in irradiated synthetic diets. *Int J Radiat Biol Relat Stud Phys Chem Med.* 1986;49(3):471–84
43. Glaudson F, Parente G, Paula De Oliveira A, Souza De Castro Rodrigues CM, Gonçalves De Oliveira Júnior R, Miranda I, et al. Phytochemical screening and antioxidant activity of methanolic fraction from the leaves of *Crescentia cujete* L. (Bignoniaceae). *J Chem Pharm Res [Internet].* 2016 [cited 2017 Oct 8];8(2):231–6
44. Traxer O, Pearle MS, Gattegno B, Thibault P. Vitamin C and stone risk. Review of the literature. *Prog Urol.* 2003 Dec;13(6):1290-4.
45. Billacura MP, Pangcoga KKJ. Phytochemical screening, cytotoxicity, mutagenicity, antimutagenicity, and protective potentials of the different solvent extracts from the air-dried leaves of *Crescentia cujete* Linn. *Int J Adv Appl Sci.* 2017;4(4):118–26
46. Janssen M, Koster JF, Bos E, Jong JW De. Malondialdehyde and Glutathione Production in Isolated Perfused Human and Rat Hearts. *Circ Res.* 1993;73(4):681–8.
47. Boaz M, Matas Z, Biro A, Katzir Z, Green M, Fainaru M, et al. Serum malondialdehyde and prevalent cardiovascular disease in hemodialysis. *Kidney Int.* 1999;56(3):1078–83.
48. He Y, Yu S, Hu J, Cui Y, Liu P. Changes in the anatomic and microscopic structure and the expression of HIF-1 α and VEGF of the yak heart with aging and hypoxia. *PLoS One.* 2016;11(2):1–16.