

DAFTAR PUSTAKA

1. Clarence Wilbur Taber; Clayton L. Thomas; Donald Venes. Taber's cyclopedic medical dictionary. 19th ed. Philadelphia: F. A. Davis co; 2009.
2. Leonard S. Lilly. Pathophysiology of Heart Disease: A Collaborative Project of Medical Students and Faculty. 5th ed. Philadelphia: lippincott William & Wilkins; 2011.
3. Cardiovascular Diseases [Internet]. World Health Organization. 2017. Available from: <http://www.who.int/mediacentre/factsheets/fs317/en/>
4. Dhalla NS; Temsah RM; Netticada T. Role of oxidative stress in cardiovascular diseases. *J Hypertens*. 2000 ;18(6):655–73.
5. Clarkson PM, Thompson HS. Antioxidants: what role do they play in physical activity and health? *Am J Nutr*. 2000 ;72(2):637–46.
6. Lien Ai Pham-Huy, Hua He, and Chuong Pham-Huy. Free Radicals, Antioxidants in Disease and Health. *Int J Biomed Sci*. 2008; 4(2):89–96.
7. Dröge W. Free radicals in the physiological control of cell function. *Physiol Rev*. 2002 ;82(1):47–95.
8. Genestra M. Oxyl radicals, redox-sensitive signalling cascades and antioxidants. *Cell Signal*. 2007 ;19(9):1807–19.
9. Graham J burton, Erix Jauniaux. Oxidative stress. *Best Pract Res Clin Obstet Gynaecol*. 2011 ;25(3):287–99.
10. John P. Plataras, James N. Riggins, Michael Otteneder, and, Lawrence J. Marnett. Reactivity and Mutagenicity of Endogenous DNA Oxopropenylating Agents: Base Propenals, Malondialdehyde, and NE-Oxopropenyllysine. *Chem Res Toxicol*. 2000;13(12):1235–42.
11. Panchanan Maiti, Shashi B. Singh, Alpesh K. Sharma,, S. Muthuraju, Pratul K. Banerjee, G. Ilavazhagan. Hypobaric hypoxia induces oxidative stress in rat brain. *Neurochem Int*. 2006;49:709–16.
12. V. Lobo, A. Patil, A. Phatak, and N. Chandra. Free radicals, antioxidants and functional foods: Impact on human health. *Pharmacogn Rev*. 2010 ;4(8):118–26.
13. Birben E, Sahiner UM, Sackesen C, Erzurum S, Kalayci O. Oxidative Stress and Antioxidant Defense. *World Allergy Organ J*. 2012 ;5(1):9–19.
14. Francisco Glaudson Granja Parente, Ana Paula de Oliveira, Cristiane Maria Souza de Castro, Rodrigues, Raimundo Gonçalves de Oliveira Júnior, Iza

Miranda Melo Paulo, Xirley Pereira, Nunes, David Marrero Delange and Jackson Roberto Guedes da Silva Almeida. Phytochemical screening and antioxidant activity of methanolic fraction from the leaves of *Crescentia cujete* L. (Bignoniaceae). *J Chem Pharm Res.* 2016;8(2):231–6.

15. Cheeseman KH, Slater TF. An introduction to free radicals chemistry. *Br Med Bull.* 49:481–93.
16. Young IS, Woodside JV. Antioxidants in health and disease. *J Clin Pathol.* 2001;54:176–86.
17. Bagchi K, Puri S. Free radicals and antioxidants in health and disease. *East Mediterr Health Jr.* 1998;4:350–60.
18. Ebadi M. Antioxidants and free radicals in health and disease: An introduction to reactive oxygen species, oxidative injury, neuronal cell death and therapy in neurodegenerative diseases. 1982;47:412–26.
19. Rock CL, Jacob RA, Bowen PE. Update o biological characteristics of the antioxidant micronutrients- Vitamin C, Vitamin E and the carotenoids. *J Am Diet Assoc.* 1996;96.
20. Freeman BA, Crapo JD. Free radicals and tissue injury. *Lab Invest.* 1982;47:412–26.
21. Lovell MA, Ehmann WD, Buffer BM, Markesberry WR. Elevated thiobarbituric acid reactive substances and antioxidant enzyme activity in the brain in Alzemers disease. *neurology.* 1995;45:1594–601.
22. I. S. Young, J. McEneny. Lipoprotein oxidation and atherosclerosis. *Biochem Soc Trans.* 2001;29(2):358–62.
23. Woo RA, Melure KG, Lee PW. DNA dependent protein kinase acts upstream of p53 in response to DNA damage. *nature.* 1998;394:700–4.
24. Hattori Y, Nishigori C, Tanaka T, Uchida K, Nikaido O, Osawa T, Hiai H, Imamura S, Toyokuni S. Hydroxy-2-deoxyguanosine is increased in epidermal cells of hairless mice after chronic ultraviolet B exposure. 1997;89:10405–9.
25. Stefanis L, Burke RE, Greene LA. Apoptosis in neurodegenerative disorders. *Curr Opin Neurol.* 1997;10:99–3052.
26. Hypoxia (Medical) [Internet]. wikipedia. [cited 2017 Dec 11]. Available from: [https://en.wikipedia.org/wiki/Hypoxia_\(medical\)](https://en.wikipedia.org/wiki/Hypoxia_(medical))
27. Semenza GL. Life with oxygen. *Science.* 2007;318:62–4.

28. Niki E. Free radicals: From basic science to medicine. Basel, Switzerland: Birkhauser Verlag; 1993. 365-73 p.
29. Cao X, Antonyuk SV, Seetharaman SV, Whitson LJ, Taylor, AB, Holloway SP, et al. Structures of the G85R variant of SOD1 in familial amyotrophic lateral sclerosis. *J Biol Chem*. 2008;283.
30. Halliwell B, Gutteridge JMC. Free Radicals in Biology and Medicine. United Kingdom: Oxford University Press; 2015.
31. Sara E. Espinoza, Hongfei Guo, Neal Fedarko, Amy DeZern, Linda P. Fried, Qian-Li Xue, Sean Leng, Brock Beamer, and Jeremy D. Walston. Glutathione Peroxidase Enzyme Activity in Aging. *J Gerontol Biol Sci Med Sci*. 2008 ;63(5):505–9.
32. Smirnoff N. L-ascorbic acid biosynthesis. *Vitam Horm*. 2001;61:241–66.
33. Meister A. Glutathione-ascorbic acid antioxidant system in animals. *J Biol Chem*. 1994;269:9397–400.
34. Caniato R, Filippini R, Piovan A, Puricelli L, Borsarini A, Cappelletti, E. Melatonin in plants. *Adv Exp Med Biol*. 2003;527:593–7.
35. Reiter RJ, Carneiro RC, Oh CS. Melatonin in relation to cellular antioxidative defense mechanism. *Horm Metab Res*. 1997;29:363–72.
36. Tan DX, Manchester LC, Reiter RJ, Qi WB, Karbownik M, Calvo, JR. Significance of melatonin in antioxidative defense system: Reactions and products. 2000;137–59.
37. Gábor Csányi, and Francis J. Miller, Jr. Oxidative Stres in Cardiovascular Disease. *Int J Mol Sci*. 2014 ;15(4):6002–8.
38. T.K. L. Edible Medicinal and Non-Medicinal Plants. Vol. 1. springer science and business media; 2012. 480-485 p.
39. *Crescentia cujete* [Internet]. Useful Tropical Plants. [cited 2017 Jul 11]. Available from: tropical.thUseful Tropical Plantseferns.info/viewtropical.php?id=Crescentia+cujete
40. Kiyoka Higashi-OKAI, Akiko Ishikawai, Sayuri Yasumotoi and Yasuji Okai. Potent Antioxidant Compensatory and and Radical-Scavenging Activity of Chenpi - Cooperative Actions of Ascorbic Acid and Citric Acid. *J UOEH*. 2009;31(4):311–24.
41. Sestili MA. Possible adverse health effects of vitamin C and ascorbic acid. *Semin Oncol*. 1983;10(3):299–304.

42. Phenols [Internet]. wikipedia. 2018. Available from: <https://en.wikipedia.org/wiki/Phenols>
43. Anderson JE et al. A blind comparison of simple bench-top bioassay and human tumour cell cytotoxicities as antitumor prescreens. In : Utami AWA, Wahyudi AT, Batubara I. Toxicity, anticancer and antioxidant activity of extracts from marine bacteria associated with sponge *Jaspis* sp. *Int J Pharm Bio Sci.* 2014;5(4):917-923.
44. Meyer BN, et al. Brine shrimp: a convenient general bioassay for active plant constituents. *Journal of Medicinal Plant Research Planta Medica.* 1982;45:31-34.
45. Awad H, Nolette N, Hinton M, Dakshinamurti S. AMPK and FoxO1 regulate catalase expression in hypoxic pulmonary arterial smooth muscle. *Pediatr Pulmonol.* 2014 ;49(9):855–97.
46. Michiels C. Psychological and pathological responses to hypoxia. *American Journal of Pathology.* 2004;164(6):1875-1882.
47. Nakanishi K, Tajima F, Nakamura A, Yagura S, Tomomi Ookawara , Hitoshi Yamashita , Keiichiro Suzuki , Naoyuki Taniguchi and Hideki Ohno. Effects of hypobaric hypoxia on antioxidant enzymes in rats. *J Physiol.* 1995;489(3):869–76.
48. Song J, Yoon D, Christensen RD, Monika Horvathova., Perumal Thiagarajan, Josef T. Prchal. HIF-mediated increased ROS from reduced mitophagy and decreased catalase causes neocytolysis. *J MolMed.* 2015 93(8):857–66.
49. Bouayed J and Bohn T. Exogenous antioxidants—Double-edged swords in cellular redox state Health beneficial effects at physiologic doses versus deleterious effects at high doses. *Oxidative Medicine and Cellular Longevity.* 2010;3(4):228-237.
50. Salim M. Pengaruh Hipoksia Sistemik Kronik Terhadap Aktivitas Spesifik Enzim Katalase Darah dan Jantung Tikus Sprague Dawley Setelah Diberi Ekstrak Daun Ara. *Univ Tarumanagara.* 2017;12.