

DAFTAR PUSTAKA

1. Hermes-Lima M, Zenteno-Savin T. Animal response to drastic changes in oxygen availability and physiological oxidative stress. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*. 2002 (cited 2018 Aug 8);133(4): Available from: <http://www.sciencedirect.com/science/article/pii/S1532045602000807>
2. Voziyan PA, Yazlovitskaya EM. Reactive Oxygen Species. *Journal of Bioequivalence & Bioavailability*. 2014 (cited 2018 Aug 8);6(6): Available from: <https://www.omicsonline.org/open-access/reactive-oxygen-species-jbb.10000e57.php?aid=32920>
3. Birben E, Sahiner UM, Sackesen C, Erzurum S, Kalayci O. Oxidative Stress and Antioxidant Defense. *World Allergy Organ J*. 2012 (cited 2018 Aug 8);5(1): Available from: <https://ncbi.nlm.nih.gov/pmc/articles/PMC3488923/>
4. Bhattacharya S. Reactive oxygen species and cellular defense system. In: Rani V, Yadav U, editors. *Free Radicals in Human Health and Disease*. New Delhi: Springer; 2015.
5. Ray PD, Huang BW, Tsuji Y. Reactive oxygen species (ROS) homeostasis and redox regulation in cellular signaling. *Cellular signalling*. 2012 (cited 2018 Aug 8);24(5): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3454471/>
6. Poljsak B, Šuput D, Milisav I. Achieving the Balance between ROS and Antioxidants: When to Use the Synthetic Antioxidants. *Oxid Med Cell Longev*. 2013 (cited 2018 Aug 8);2013: Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3657405/>
7. Shebis Y, Iluz D, Kinel-Tahan Y, Dubinsky Z, Yehoshua Y. Natural Antioxidants: Function and Sources. *Food and Nutrition Sciences*. 2013 (cited 2018 Aug 19);4: Available from: http://file.scirp.org/pdf/FNS_2013061310303944.pdf
8. Friedman J. Oxidative Stress and Free Radical Damage in Neurologi: Why Is the Nervous System Vulnerable to Oxidative Stress?. In: Armstrong, Donald, editors. *Oxidative Stress in Applied Basic Research and Clinical Practice*. Israel: Humana Press; 2011.p.19-27.
9. Khoubnasabjafari M, Ansarin K, Jouyban A. Reliability of malondialdehyde as a biomarker of oxidative stress in psychological disorders. *Bioimpacts*. 2015 (Cited 2018 Aug 19);5(3): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4597159/>
10. Singh Z, P. Karthigesu IP, Singh P, Kaur R. Use of Malondialdehyde as a Biomarker for Assessing Oxidative Stress in Different Disease Pathologies: a Review. 2014 (cited 2018 Sept 2); 43(3): Available from: <http://ijph.tums.ac.ir/index.php/ijph/article/view/4858>
11. Caldas APS, Coelho OGL, Bressan J. Cranberry Antioxidant Power on Oxidative Stress, Inflammation and Mitochondrial Damage. *International Journal of Food Properties*. 2018 (Cited 2018 Sept 2);21(1): Available from: <https://www.tandfonline.com/doi/full/10.1080/10942912.2017.1409758>

12. Sujana K, Tejaswini KS, Lakshmi SS. Cranberry fruit: An update review. *International Journal of Herbal Medicine*. 2016(cited 2018 Oct 21);4(3): Available from: <http://www.florajournal.com/archives/2016/vol4issue3/PartA/4-3-2.pdf>
13. Skrovankova S, Sumczynski D, Mlcek J, Jurikova T, Sochor J. Bioactive Compounds and Antioxidant Activity in Different Types of Berries. *Int J Mol Sci*. 2015 (cited 2018 Sept 9);16(10): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4632771/>
14. University Corporation for Atmospheric Research. What's in the Air ? (updated 2003; cited 2018 Sept 9): Available from: https://www.eo.ucar.edu/basics/wx_1_b_1.html
15. NC State University. Composition of the Atmosphere. (updated 2013; cited 2018 Sept 9): Available from: <http://climate.ncsu.edu/k12/.AtmComposition>
16. Rácz O, Ništiar F, Kovács L, Kóna E, Dombrovský P. Compendium of Pathological Physiology. Volume 2. In: Dombrovský P, Rácz O, editors. Hypoxia. Slovakia: Košice; 1995. p.106-21
17. Carlsen MH, Halvorsen BL, Holte, K, Bøhn SK, Dragland S, Sampson L, et al. The total antioxidant content of more than 3100 foods, beverages, spices, herbs and supplements used worldwide. *Nutr J*. 2010 (cited 2018 Sept 23);9: Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2841576/>
18. Volodymyr I, Lushchak. Classification of oxidative stress based on its intensity. *Experimental and Clinical Sciences Journal*. 2014 (cited 2018 Sept 30);13: Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4464080/>
19. Yoshikawa T, Naito Y. What Is Oxidative Stress?. *JMAJ*. 2002 (cited 2018 Sept 30);45: Available from: http://www.med.or.jp/english/pdf/2002_07/271_276.pdf
20. Pham-Huy LA, He H, Pham-Huy C. Free Radicals, Antioxidants in Disease and Health. *Int J Biomed Sci*. 2008 (cited 2018 Oct 14);4(2): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3614697/>
21. Bouayed J, Bohn T. Exogenous antioxidants-Double-edged swords in cellular redox state. *Oxid Med Cell Longev*. 2010 (cited 2018 Oct 7);3(4): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2952083/>
22. Flood P. A New Treatment for Hypoxic Brain Injury?. *International Anesthesia Research Society*. 2007 (cited 2018 Oct 7);105(3): Available from: https://journals.lww.com/anesthesia-analgesia/fulltext/2007/09000/A_New_Treatment_for_Hypoxic_Brain_Injury_.1.aspx
23. Ayala A, Muñoz MF, Argüelles S. Lipid Peroxidation: Production, Metabolism, and signaling Mechanism of Malondialdehyde and 4-Hydroxy-2-Nonenal. *Oxidative medicine and Cellular Longevity*. 2014 (cited 2018 Oct 21);2014: Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4066722/>
24. Blumberg JB, Camesano TA, Cassidy A, Kris-Etherton P, Howell A, Manach C, Ostertag LM, Sies H, Skulas-Ray A, Vita JA. Cranberries and Their Bioactive Constituents in Human Health. *Adv Nutr*. 2013(cited 2018 Oct 21);4(6): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3823508/>

25. Coates PM, Betz JM, Blackman MR, Cragg GM, Levine M, Moss J, White JD. Encyclopedia of Dietary Supplements. 2nd Ed. In: Klein MA, editor. Cranberry. New York: Informa Healthcare; 2010. p.193-201.
26. Keservani RK, Sharma AK, Kesharwani RK. Medicinal Effect of Nutraceutical Fruits for the Cognition and Brain Health. Scientifica. 2016 (cited 2018 Oct 21);2016: Available from: <https://www.hindawi.com/journals/scientifica/2016/3109254/>
27. Ridwan E. Jurnal Hewan Coba. J Indon Med Assoc. 2013 (cited 2018 Nov 11);63(3). Available from: <http://www.scribd.com/doc/204523947/Jurnal-Hewan-Coba>
28. Harborne AJ. Phytochemical Methods A Guide to Modern Techniques of Plant Analysis. Netherlands: Springer. 1998.
29. Kedare SB, Singh RP. Genesis and development of DPPH method of antioxidant assay. J Food Sci Technol. 2011 (cited 2018 Nov 18);48(4): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3551182/>
30. Song F-L, Gan R-Y, Zhang Y, Xiao Q, Kuang L, Li H-B. Total Phenolic Contents and Antioxidant Capacities of Selected Chinese Medicinal Plants. Int J Mol Sci. 2010 (cited 2018 Nov 18);11(6): Available from: <http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2904921&tool=pmcentrez&rendertype=abstract>
31. Patel RK, Patel JB, Trivedi PD. Spectrophotometric method for the estimation of total alkaloids in the *Tinospora cordifolia* M. and its herbal formulations. Int J Pharm Pharm Sci. 2015 (cited 2018 Nov 18);7(10): Available from: <https://innovareacademics.in/journals/index.php/ijpps/article/view/7622/6129>
32. Megawati, Darmawan A, Dewijanti ID. Bioactivity Brine Shrimp Lethality Test Extract and Fractination From *Kalanchoe Pinnata* Lam Pers. Proceeding of International Conference on Drug Development of Natural Recources. 2012 (cited 2018 Nov 25): Available from: <https://ffarmasi.uad.ac.id/wp-content/uploads/24-Bioactivity-Brine-Shrimp-Lethality-Test-...pdf>
33. Khoubnasabjafari M, Ansarin K, Jouyban A. Reliability of malondialdehyde as a biomarker of oxidative stress in psychological disorders. Bioimpacts. 2015 (cited 2018 Nov 25); 5(3): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4597159>
34. Benzie IFF, Wachtel-Galor S. Herbal Medicine Biomolecular and Clinical Aspects. 2nd Ed. In: Neto CC, Vinson JA, editors. Cranberry. New York: CRC Press; 2011. Chapter 6.
35. Krishnaeswari V, Manikandan S, Vijayakumar J. Bioactive Components of *Vaccinium macrocarpon* And Its Antioxidant Activity: An In-Vitro Study. International Journal of Pharmaceutical Sciences and Research. 2019 (cited 2019 June 6); 10(1): Available from: <http://ijpsr.com/bft-article/bioactive-components-of-vaccinium-macrocarpon-and-its-antioxidant-activity-an-in-vitro-study/?view=fulltext>
36. Jurikova T, Skrovankova S, Mlcek J, Balla S, Snopek L. Bioactive Compounds, Antioxidant Activity, and Biological Effects of European Cranberry (*Vaccinium oxycoccos*). Molecules. 2019 (cited 2019 May 17); 24(1): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6337168/>

37. Foti MC. Antioxidant properties of phenols. *Journal of Pharmacy and Pharmacology*. 2010 (cited 2019 June 6); 59(12): Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1211/jpp.59.12.0010>
38. Huyut Z, Beydemir S, Gülçin I. Antioxidant and Antiradical Properties of Selected Flavonoids and Phenolic Compounds. *Biochem Res Int*. 2017 (cited 2019 June 6); 2017: Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5660747/>
39. Pagare S, Bhatia M, Tripathi N, Bansal YK. Secondary metabolites of plants and their role: Overview. *Current Trends in Biotechnology and Pharmacy*. 2015 (cited 2019 June 9); 9(3): Available from: https://www.researchgate.net/publication/283132113_Secondary_metabolites_of_plants_and_their_role_Overview
40. Kennedy DO, Wightman EL. Herbal Extract and Phytochemical: Plant Secondary Metabolites and the Enhancement of Human Brain Function. *Adv Nutr*. 2011 (cited 2019 June 9); 2(1): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3042794/>
41. Hamidi MR, Jovanova B, Panovska TK. Toxicological evaluation of the plant products using Brine Shrimp (*Artemia salina* L.) model. *Macedonian Pharmaceutical Bulletin*. 2014 (cited 2019 June 6); 60(1): Available from: http://bulletin.mfd.org.mk/volumes/Volume%2060/60_002.pdf
42. Singh AP, Singh RK, Kim KK, Satyan KS, Nussbaum R, Torres M, et al. Cranberry Proanthocyanidins are Cytotoxic to Human Cancer Cells and Sensitize Platinum-Resistant Ovarian Cancer Cells to Paraplatin. *Phytother Res*. 2009 (cited 2019 June 11); 23(8): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2873024/>
43. Clemens MR, Waller HD. Lipid peroxidation in Erythrocytes. *Chem Phys Lipids*. 1987 (cited 2019 June 9); 45(2-4): Available from: <https://www.ncbi.nlm.nih.gov/pubmed/3319229>
44. Salim S. Oxidative Stress and the Central Nervous System. *J Pharmacol Exp Ther*. 2017 (cited 2019 June 9); 360(1): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5193071/>
45. Andriani, Prijanti AR, Mudjihartini N, Jusman SWA. Dampak Hipoksia Sistemik terhadap Malondialdehida Glial Fibrillary Acidic Protein dan Aktivitas Asetilkolin Esterase Otak Tikus. *eJournal Kedokteran Indonesia*. 2016 (cited 2019 June 12); 4(2): Available from: <https://media.neliti.com/media/publications/61858-ID-dampak-hipoksia-sistemik-terhadap-malond.pdf>
46. Reempts VJ, Borgers M. Histologic changes in the hypoxic brain. *Acta Anaesthesiol Belg*. 1984 (cited 2019 June 6); 35: Available from: <https://www.ncbi.nlm.nih.gov/pubmed/6516732>
47. Subash S, Essa MM, Al-Adawi S, Memon MA, Manivasagam T, Akbar M. Neuroprotective effects of berry fruits on neurodegenerative disease. *Neural Regen Res*. 2014 (cited 2019 May 18); 9(16): Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4192974/>