

DAFTAR PUSTAKA

1. Phaniendra A, Jestadi D, Periyasamy L. Free radicals: properties, sources, targets, and their implication in various diseases. PMC (Internet); 2015 (Cited 2018 Agustus 30). Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4310837/>
2. Satyanarayana U, Chakrapani U. Biochemistry. 4th ed. India: Elsevier; 2013.
3. Rodwell V, Bender D, Botham K, Kennely P, Weil P. Harper's Illustrated Biochemistry. 31st ed. Newyork: McGraw-Hill Education; 2018.
4. Naik P. Essential of biochemistry. 1st ed. New Delhi: Jaypee Brothers Medical Publisher; 2012.
5. Muz B, Puente P, Azab F, Azab A. The role of hypoxia in cancer progression, angiogenesis, metastasis, and resistance to therapy. PMC; 2015 (Cited 2018 Agustus 30). Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5045092/>
6. Heyman L, Axling U, Blanco N, Sterner O, Holm C, Berger K. Evaluation of beneficial metabolic effects of berries in high-fat fed C57BL/6J mice. Hindawi (Internet); 2014 (Cited 2018 Agustus 30) Available from: <https://www.hindawi.com/journals/jnme/2014/403041/>
7. Ley K. Inflammation: fundamental mechanisms. World Scientific Publishing Co. Pte. Ltd.; 2018.
8. Kanti Das T, Wati MR, Fatima-Shad K. Oxidative Stress gated by fenton and haber weiss reactions and its association with Alzheimer's disease. Arch Neurosci (Internet); 2014 (Cited 2018 Agustus 30). Available from: <http://archneurosci.com/en/articles/60038.html>
9. Vasudevan D, Sreekumari S, Vaidyanathan K. Textbook of Biochemistry for medical students. 6th ed. New Delhi: Jaypee Brothers Medical Publisher; 2011.
10. Sherwood L. Fisiologi Manusia dari sel ke sistem. 8th ed. Jakarta: Penerbit Buku Kedokteran EGC; 2016.
11. Frethernety A, Louisa M, Hardiany N, Dwijayanti A, Purwaningsih E. Efek antioksidan kombinasi ekstrak etanol *Acalypha indica* dan *Centella asiatica*

- pada Fungsi hati tikus pascahipoksia sistemik. *EJournal Kedokteran Indonesia*; 2015 (Cited 2018 Agustus 30).
12. Rinnerthaler M, Bischof J, Streubel M, Trost A, Richter K. Oxidative stress in aging human skin. *Biomolecules*; 2015 (Cited 2018 Agustus 30).
 13. Che M, Wang R, Zheng X. Expanding Roles of superoxide dismutase in cell regulation and cancer. *PMC (Internet)*; 2017 (Cited 2018 Agustus 30). Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4724522/>
 14. Gómez-Marcos MA, Blázquez-Medela AM, Gamella-Pozuelo L, Recio-Rodriguez JJ, García-Ortiz L, Martínez-Salgado C. Serum superoxide dismutase is associated with vascular structure and function in hypertensive and diabetic patients. *Oxid Med Cell Longev*; 2016 (Cited 2018 Agustus 30).
 15. Edwards S, Costa Rocha I, Williamson E, Heinrich M. *Phytopharmacy: an evidence-based guide to herbal medicinal products*. United Kingdom: John Wiley & Sons, Ltd; 2015.
 16. Yao S. Raspberries for the home garden. *NMSU (Internet)*; 2018; Available from: https://aces.nmsu.edu/pubs/_h/H320/welcome.html
 17. Vickers E, Woodcock K. Raspberry leaf herbal extract significantly reduces pain and inflammation in oral lichen planus patients – a case series analysis. *Horiz Res Publ Corp*; 2015 (Cited 2018 September 1).
 18. American red raspberry. *Global Biodiversity Information Facility [Internet]*. Available from: <https://www.gbif.org/species/2993094>
 19. *Rubus idaeus* L. *Global Biodiversity Information Facility [Internet]*. Available from: <https://www.gbif.org/species/2993094>
 20. Wink M. Modes of action of herbal medicines and plant secondary metabolites. *Medicines*; 2015 (Cited 2018 September 1).
 21. A Review on the Extraction methods use in medicinal plants, principle, strength and limitation. *Med Aromat Plants (Internet)*; 2015 (Cited 2018 September 1). Available from: <http://www.omicsgroup.org/journals/a-review-on-the-extraction-methods-use-in-medicinal-plants-principle-strength-and-limitation-2167-0412-1000196.php?aid=58448>

22. Mukhriani. Ekstraksi, Pemisahan senyawa, dan identifikasi senyawa aktif. J Kesehat UIN (Internet); 2014 (Cited 2018 September 1) Available from: <http://journal.uin-alauddin.ac.id/index.php/kesehatan/article/view/55>
23. Sahriawati, Daud A. Optimisasi proses ekstraksi minyak ikan metode soxhletasi dengan variasi jenis pelarut dan suhu berbeda. J Galung Trop; 2016 (Cited 2018 September 2).
24. Septiana A, Asnani A. Kajian sifat fisikokimia ekstrak rumput laut coklat sargassum duplicatum menggunakan berbagai pelarut dan metode ekstraksi. Agrotek J (Internet); 2012 (Cited 2018 September 2). Available from: <http://infestasi.trunojoyo.ac.id/agrotek/article/view/1950>
25. Borhet A, Lutfiani ZT, Susanto DF, Apamarta HW. Pengaruh tingkat kepolaran solvent terhadap isolasi xanthone dan coumarine pada crude ekstrak daun nyamplung. Maritim Sains dan Teknologi Terapan; 2016 (Cited 2018 September 2).
26. Agustina E, Andiarna F, Lusiana N, Purnamasari R, Hadi MI. Identifikasi senyawa aktif dari ekstrak daun jambu air (*syzygium aqueum*) dengan perbandingan beberapa pelarut pada metode maserasi. 2016 (Cited 2018 September 2).
27. Ridwan E. Pemanfaatan hewan percobaan dalam penelitian kesehatan. IDI; 2013 (Cited 2018 September 2).
28. Costea T, Vlase L, Gostin IN, Olah NK, Predan GMI. Botanical characterization, phytochemical analysis and antioxidant activity of indigenous red raspberry (*Rubus idaeus* L.) leaves. SV University; 2016 (Cited 2019 Maret 29).
29. Olson AE, DeGolier TF. Research Article: Contractile activity of *Rubus idaeus* extract on isolated mouse uterine strips. BIOS; 2016(Cited 2019 Maret 29).
30. Saxena M, Saxena J, Nema R, Singh D, Gupta A. Journal of pharmacognosy and phytochemistry. 2013;1(6):15.
31. Fauzi MH, Unmul KF. Uji Fitokimia, toksisitas (brine shrimp lethality test) serta antioksidan kulit batang terap (*Artocarpus elasticus* reinw) dengan metode DPPH (2,2-diphenyl-1-picrylhydrazyl). 2017 (Cited 2019 Maret 29).

32. Veljković B, Jakovljević V, Stanković M, Dajić-Stevanović Z. Phytochemical and antioxidant properties of fresh fruits and some traditional products of wild grown raspberry (*Rubus idaeus* L.). *Bot Horti Agrobo*; 2019 (Cited 2019 Maret 29).
33. Veljkovic B, Djordjevic N, Dolicanin Z, Licina B, Topuzovic M, Stankovic M, et al. Antioxidant and anticancer properties of leaf and fruit extracts of the wild raspberry (*Rubus idaeus* L.). *Not Bot Horti Agrobo*; 2018 (Cited 2019 Maret 29).
34. Ljevar A, Tomašević M, Radošević K, Gaurina Srček V, et al. Phenolic composition, antioxidant capacity and in vitro cytotoxicity assessment of fruit wines. *Food Technol Biotechnol* (Internet); 2016 (Cited 2019 Maret 29). Available from: <http://www.ftb.com.hr/images/pdfarticles/2016/April-June/ftb-54-145.pdf>
35. Li J, Du L-F, He Y, Yang L, Li Y-Y, Wang Y-F, et al. Chemical constituents and biological activities of plants from the genus *Rubus*. *Chem Biodivers*; 2015 (Cited 2019 Maret 29).
36. Dokuparthi SK, Lakshmi G, Anjana A, Fatima SF, Ashwini P, Kandagatla S, et al. Brine shrimp lethality bioassay of *Bougainvillea glabra*. *J Drug Deliv Ther* (Internet); 2018 Jul 15 (Cited 2019 Maret 29). Available from: <http://jddtonline.info/index.php/jddt/article/view/1780>
37. Teng H, Fang T, Lin Q, Song H, Liu B, Chen L. Red raspberry and its anthocyanins: bioactivity beyond antioxidant capacity. *Trends Food Sci Technol*; 2017 (Cited 2019 April 5).
38. Mishra P, Purohit S. Role of natural products and their phytoconstituents in cancer-targeting the hallmarks of cancer. :14.
39. Krauze-Baranowska M, Głód D, Kula M, Majdan M, Hałasa R, Matkowski A, et al. Chemical composition and biological activity of *Rubus idaeus* shoots – a traditional herbal remedy of eastern europe. *BMC* (Internet); 2014 (Cited 2019 April 5). Available from: <https://bmccomplementalternmed.biomedcentral.com/articles/10.1186/1472-6882-14-480>

40. Leveelahti L, Rytönen KT, Renshaw GMC, Nikinmaa M. Revisiting redox-active antioxidant defenses in response to hypoxic challenge in both hypoxia-tolerant and hypoxia-sensitive fish species. *Fish Physiol Biochem*; 2014 (Cited 2018 April 5).
41. Noratto GD, Chew BP, Atienza LM. Red raspberry (*Rubus idaeus* L.) intake decreases oxidative stress in obese diabetic (db/db) mice. *Food Chem*; 2017 (Cited 2018 April 5).
42. Priantono D, Mulyawan W, Hardiany NS, Wanandi SI. Pengaruh induksi hipoksia hipobarik intermiten pada aktivitas spesifik manganese superoxide dismutase dan kadar malondialdehyde ginjal tikus. 2013 (Cited 2018 April 5).
43. Derouiche F, Bôle-Feysot C, Naïmi D, Coëffier M. Hyperhomocysteinemia-induced oxidative stress differentially alters proteasome composition and activities in heart and aorta. *Biochem Biophys Res Commun*; 2014 (Cited 2018 April 5).
44. Khan V, Sharma S, Bhandari U, Ali SM, Haque SE. Raspberry ketone protects against isoproterenol-induced myocardial infarction in rats. *Life Sci*; 2018 (Cited 2018 April 5).
45. Wu T, Yang L, Guo X, Zhang M, Liu R, Sui W. Raspberry anthocyanin consumption prevents diet-induced obesity by alleviating oxidative stress and modulating hepatic lipid metabolism. *Food Funct*; 2018 (Cited 2018 April 5).
46. Sangiovanni E, Vrhovsek U, Rossoni G, Colombo E, Brunelli C, Brembati L, et al. Ellagitannins from *Rubus* berries for the control of gastric inflammation: in vitro and in vivo studies. Bassaganya-Riera J, editor. *PLoS ONE*; 2013 (Cited 2018 April 5).
47. Bresciani G, da Cruz IBM, González-Gallego J. Manganese superoxide dismutase and oxidative stress modulation. in: *advances in clinical chemistry of free radical*. (Internet). Elsevier; 2015 (Cited 2018 April 5). Available from: <https://linkinghub.elsevier.com/retrieve/pii/S0065242314000109>