

DAFTAR PUSTAKA

1. U.S. Department of Health and Human Services. *How Tobacco Smoke Causes Disease The Biology and Behavioral Basis for Smoking-Attributable Disease A Report of the Surgeon General How Tobacco Smoke Causes Disease : The Biology and Behavioral Basis for Smoking-Attributable Disease A Report of the Surgeon*. David Sidr. (Sidransky D, Leslie A. Norman, Anne McCarthy, Taylor PL, eds.). Washington, DC: U.S. Government Printing Office; 2010. available from <http://www.surgeongeneral.gov/library> accessed at 30 November 2011.
2. Kierszenbaum A, Tres LL. *Histology and Cell Biology, and Introduction to Pathology*. 4th ed. Philadelphia: Elsevier; 2016.
3. Wu Q, Liu L, Miron A, Klímová B, Wan D, Ku a K. The antioxidant, immunomodulatory, and anti-inflammatory activities of *Spirulina* : an overview. *Arch Toxicol*. 2016;90(8):1817-1840 |. doi:10.1007/s00204-016-1744-5.
4. Abdel-Daim MM, Abuzead SMM, Halawa SM. Protective Role of *Spirulina platensis* against Acute Deltamethrin-Induced Toxicity in Rats. *PLoS One*. 2013;8(9). doi:10.1371/journal.pone.0072991.
5. Talhout R, Schulz T, Florek E, van Benthem J, Wester P, Opperhuizen A. Hazardous compounds in tobacco smoke. *Int J Environ Res Public Health*. 2011;8(2):613-628. doi:10.3390/ijerph8020613.
6. Raluy-Callado M, Lambrelli D, MacLachlan S, Khalid JM. Epidemiology, severity, and treatment of chronic obstructive pulmonary disease in the United Kingdom by GOLD 2013. *Int J Chron Obstruct Pulmon Dis*. 2015;10:925-937. doi:10.2147/COPD.S82064.
7. Cancer Research UK. Cancer incidence statistics. 1. UK cancer research. Cancer incidence statistics. <http://www.cancerresearchuk.org/health-professional/cancer-statistics/statistics-by-cancer-type/lung-cancer#heading-Three>.<http://www.cancerresearchuk.org/health-professional/cancer-statistics/statistics->. Published 2015.
8. Badan Penelitian dan Pengembangan Kesehatan. *RISSET KESEHATAN DASAR*.; 2013. www.depkes.go.id/resources/download/general/HasilRisksedas2013.pdf.
9. Chen Z, Wang D, Liu X, et al. Oxidative DNA damage is involved in cigarette smoke-induced lung injury in rats. *Environ Health Prev Med*. 2015;20(5):318-324. doi:10.1007/s12199-015-0469-z.

10. Kamble SP, Gaikar RB, Padalia RB, Shinde KD. Extraction and purification of C-phycoyanin from dry *Spirulina* powder and evaluating its antioxidant, anticoagulation and prevention of DNA damage activity. *J Appl Pharm Sci.* 2013;3(8):149-153. doi:10.7324/JAPS.2013.3826.
11. Ismail M, Hossain MF, Tanu AR, Shekhar HU. Effect of *Spirulina* intervention on oxidative stress, antioxidant status, and lipid profile in chronic obstructive pulmonary disease patients. *Biomed Res Int.* 2015. doi:10.1155/2015/486120.
12. Zheng J, Inoguchi T, Sasaki S, et al. Phycocyanin and phycocyanobilin from *Spirulina platensis* protect against diabetic nephropathy by inhibiting oxidative stress. 2013;110-120. doi:10.1152/ajpregu.00648.2011.
13. de Fretes H, Susanto A, Prasetyo B, Limantara L. Karotenoid Dari Makroalgae Dan Mikroalgae: Potensi Kesehatan Aplikasi Dan Bioteknologi. *J Teknol dan Ind Pangan.* 2012;23(2):221-228. doi:10.6066/jtip.2012.23.2.221.
14. Dewi R sari. *Spirulina Platensis* Mencegah Penurunan Komponen Darah Perifer Pada Tikus (*Rattus Norvegicus*) Yang Diberikan Cyclophosphamide. *unpublished.* 2014:1-50. [www.pps.unud.ac.id/thesis/pdf_thesis/unud-979-1198719215-tesis_ratna .pdf](http://www.pps.unud.ac.id/thesis/pdf_thesis/unud-979-1198719215-tesis_ratna.pdf).
15. T.Henderson SSMKAS. Hydantoin derivative formation from oxidation of 7,8-dihydro-8-oxo-2'-deoxyguanosine (*8-oxodG*) and incorporation of ¹⁴C-labeled *8-oxodG* into the DNA of human breast cancer cells. *Bioorg Med Chem Lett.* 2005;15(15):3627-3631. doi:<https://doi.org/10.1016/j.bmcl.2005.05.113>.
16. Wooten JB, Chouchane S, Mcgrath TE. Tobacco Smoke Constituents Affecting Oxidative Stress. In: *How Tobacco Cause Disease.* link.springer.com/chapter/10.1007/3-540-32232-9_2.
17. Rahman I, Halliwell BPH. Lung glutathione and oxidative stress: implications in cigarette smoke-induced airway disease. *Oxidative Stress Pathog Chronic Obstr Pulm Dis Cigar Smoke Oxidative Stress.* 1999;edisi 1. available from <http://rd.springer.com/book/10.1007/3-540-32232-9> accessed at 3 Desember 2014.
18. 1. Eroschenko V. *Atlas Histologi Di Fiore Dengan Korelasi Fungsional.* 12th ed. jakarta; 2013.
19. Sherwood L. *Fisiologi Manusia Dari Sel Ke Sistem.* jakarta: EGC; 2007.
20. Mescher A. *Histology Dasar Junquiera.* 13th ed. jakarta: Mc Graw Hill; 2013.

21. Muliartha IKG, Sriwahyuni E. Oral Consumption of Combined Vitamin C and E Repair Liver Damage Due to Subchronic Exposure to Cigarette Kretek Pemberian Kombinasi Vitamin C dan E Peroral Memperbaiki Kerusakan Hepar Akibat Paparan Rokok Kretek Sub Kronik. 2000.
22. Arthrospira *maxima* Setchell et Gardner. Culture Collection of Autotrophic Organism. <http://ccala.butbn.cas.cz/en/arthrospira-maxima-setchell-et-gardner-0>.
23. Garry G, JA B, TG L. *Bergey's Manual of Systematic Bacteriology*. 2nd ed. New York: springer; 2001.
24. M.E. Gershwin & Amha Belay - *Spirulina* in Human Nutrition and Health [2008].pdf.
25. Nur MMA. Potensi Mikroalga sebagai Sumber Pangan Fungsional di Indonesia (overview) Potency of Microalgae as Source of Functional Food in Indonesia (overview). 2014;XI(2):1-6.
26. Choi WY, Kang DH, Lee HY. Enhancement of immune activation activities of *Spirulina maxima* grown in deep-sea water. *Int J Mol Sci*. 2013;14(6):12205-12221. doi:10.3390/ijms140612205.
27. Miranda MS. Antioxidant activity of the microalga *Spirulina maxima*. 1998;31(1).
28. Herrera a., Boussiba S, Napoleone V, Hohlberg a. Recovery of c-phycoerythrin from the cyanobacterium *Spirulina maxima*. *J Appl Phycol*. 1989;1(4):325-331. doi:10.1007/BF00003469.
29. De Oliveira MACL, Monteiro MPC, Robbs PG, Leite SGF. Growth and chemical composition of *Spirulina maxima* and *Spirulina platensis* biomass at different temperatures. *Aquac Int*. 1999;7(4):261-275. doi:10.1023/A:1009233230706.
30. Hamid AA, Aiyelaagbe OO, Usman LA, Ameen O., Lawal A. A. Antioxidants: Its Medicinal and Pharmacological Applications. *African J Pure Appl Chem*. 2010;4(8):142-151.
31. Estrada JEP, Bescos PB, Fresno AMV. Antioxidant Activity of Different Fractions of *Spirulina platensis* Proteant Extract. *Farm*. 2001;56(5-7):497-500.
32. Agustian R. Uji Toksisitas Ekstrak Pigmen Kasar Mikroalga *Spirulina Platensis* Dengan Metode Uji Bslt (Brine Shrimp Lethality Test). *J Mar Res*. 2013;2(1):25-31.

33. Yudiati E, Sedjati S, Agustian R, Diponegoro U. Aktivitas Antioksidan dan Toksisitas Ekstrak Metanol dan Pigmen Kasar *Spirulina* sp . 2011;16(4):187-192.
34. Miranda MS, Cintra RG, Barros SBM, Mancini-Filho J. Antioxidant activity of the microalga *Spirulina maxima*. *Brazilian J Med Biol Res*. 1998;31(8):1075-1079. doi:10.1590/S0100-879X1998000800007.
35. Abd El-Baky HH, El Baz FK, El-Baroty GS. Production of phenolic compounds from *Spirulina maxima* microalgae and its protective effects in vitro toward hepatotoxicity model. *Electron J Environ Agric Food Chem*. 2009;8(11):1099-1112.
36. Mc Carty M. Clinical Potential of *Spirulina* as a Source of Phycocyanobilin. *J Med food*. 2001;10(4):566-570.
37. Romay C, J A, Ramirez D, Al E. Antioxidant and antiinflammatory properties of C-Phycocyanin from blue green algae. *Inflamm.res*. 1998;47(1):36-41. <https://www.ncbi.nlm.nih.gov/pubmed/9495584>.
38. Gutierrez-Rebolledo GA, Galar-Martinez M, Garcia-Rodriguez RV, Chamorro-Cevallos GA, Hernandez-Reyes AG, Martinez-Galero E. Antioxidant Effect of *Spirulina* (Arthrospira) *maxima* on Chronic Inflammation Induced by Freund's Complete Adjuvant in Rats. *J Med Food*. 2015;18(8):865-871. doi:10.1089/jmf.2014.0117.
39. Ratnasari WK. Pengaruh Madu Randu terhadap histopatologi alveolus pada tikus yang dipapar asap rokok(studi eksperimental pada tikus putih jantan galur sprague dawley). 2015.
40. Kruniawan JA. Pengaruh Pemberian Madu terhadap Jumlah Leukosit. 2011.
41. Palafox-sa V. Antioxidant effect of *Spirulina* (Arthrospira) *maxima* in a neurotoxic model caused by 6-OHDA in the rat striatum. 2013:1179-1189. doi:10.1007/s00702-013-0976-2.
42. Arif JM, Vadhanam M V., De Groot AJ, Van Zeeland AA, Gairola CG, Gupta RC. Effect of cigarette smoke exposure on the modulation of 8-oxo-2'-deoxyguanosine in rat lungs as analyzed by ³²P-postlabeling and HPLC-ECD. *Int J Oncol*. 2001;19(4):763-766.
43. Magazine P, Nacio E. Inhibitory Effect of *Spirulina maxima* on the Azoxymethane-induced Aberrant Colon Crypts and Oxidative Damage in Mice. *Pharmacogn Mag Publ Pharmacogn Netw Worldw*. 2015;11:4(January 2016):S619-S624. doi:10.4103/0973-1296.172973.
44. Argüelles-Velázquez N, Alvarez-González I, Madrigal-Bujaidar E, Chamorro-Cevallos G. Amelioration of cadmium-produced teratogenicity and genotoxicity in mice given *Arthrospira maxima* (*Spirulina*) treatment.

Evidence-based Complement Altern Med. 2013;2013:1-8.
doi:10.1155/2013/604535.

45. Rehberg S, Maybauer MO. Pathophysiology, management and treatment of smoke inhalation injury. *pubmed Cent.* 2010;3(3):283-297. doi:10.1586/ERS.09.21.Pathophysiology.
46. Tousoulis D, Antoniadis C, Tentolouris C, et al. Effects of combined administration of vitamins C and E on reactive hyperemia and inflammatory process in chronic smokers. *pubmed Cent.* 2003;170(attherosclerosis):261-267. doi:10.1016/S0021-9150(03)00250-8.
47. Palozza P, Serini S, Di Nicuolo F, Piccioni E, Calviello G. Prooxidant effects of ??-carotene in cultured cells. *Mol Aspects Med.* 2003;24(6):353-362. doi:10.1016/S0098-2997(03)00031-1.
48. Kurniawan FD, Andarini SL, Yunus F. Peranan Penuaan dan Senescense Selular dalam Patogenesis PPOK. *J Respirasi Indones.* 2011;31(4):224-232.