

DAFTAR PUSTAKA

1. Badan Pusat Statistik. Data jumlah petani subsektor jenis kelamin. Dikutip dari <https://data.go.id/dataset/data-jumlah-petani-berdasarkan-subsektor-dan-jenis-kelamin> .2013.
2. Wasitaadmadja S. Pigmentasi Kulit. In: Wasitaadmadja S, ed. Dermatologi Kosmetik. Jakarta: Badan Penerbit Fakultas Kedokteran Universitas Indonesia. 2011;231-233.
3. Azhari. Solok menuju sentra produksi bawang merah Sumatera. *Antara*. 2017:1-2.
4. Malcolm C. Voices from the forest: Integrating indigenous knowledge into sustainable upland farming. *Earthscan*. 2007; 157-158.
5. Peres PS, Terra VA, Guarnier FA, Cecchini R, Cecchini AL. Photoaging and chronological aging profile: Understanding oxidation of the skin. *J Photochem Photobiol B Biol*. 2011;103(2):93-97.
6. Bosch R, Philips N, Suárez-Pérez J. Mechanisms of photoaging and cutaneous photocarcinogenesis, and photoprotective strategies with phytochemicals. *Antioxidants*. 2015;4(2):248-268.
7. Hughes MC, Bredoux C, Salas F. Comparison of histological measures of skin photoaging. *Dermatology*. 2011;223(2):140-151.
8. Chien AL, Qi J, Grandhi R. Effect of age, gender, and sun exposure on ethnic skin photoaging: Evidence gathered using a new photonumeric scale. *J Natl Med Assoc*. 2017:1-6.
9. Pierce A. Skin analysis. Dalam: Pierce A, ed. *Milady's aesthetician series: treating diverse pigmentation*. Milady: New York: 2012;136-142.
10. Cohen LE, Grant RT. Sun Protection: Current management strategies addressing uv exposure. *Clin Plast Surg*. 2016;43(3):605-610.
11. Kikade NE. Measuring reactive oxygen species in skin with fluorescence microscopy. In: Draelos ZD, ed. *Skin Care and Aging*. USA: Allured Business Media; 2011:305-312.
12. Wen KC, Fan PC, Tsai SY, Shih IC, Chiang HM. *Ixora parviflora* protects against UVB-induced photoaging by inhibiting the expression of MMPs, MAP kinases, and COX-2 and by promoting type I procollagen synthesis. *Evidence-based Complement Altern Med*. 2012;2012.
13. Fisher GJ, Kang S, Varani J. Mechanisms of photoaging and chronological skin aging. *Arch Dermatol*. 2002;138(11).
14. Chatterjee M, Vasudevan B. Recent advances in melasma. *Pigment Int*. 2014;1:70-78.

15. Mingliang C, Guiying Z, Mei Y. Effect of UVA irradiation on proliferation and iNOS/NO system of human skin fibroblast. *J Cent South Univ.* 2009;34(8):705-711.
16. Opländer C, Suschek C V. The role of photolabile dermal nitric oxide derivatives in ultraviolet radiation (UVR)-induced cell death. *Int J Mol Sci.* 2013;14(1):191-204.
17. Helfrich Y, Sachs D, Voorhees J. Overview of skin aging and photoaging. *Dermatol Nurs.* 2008;20:177-183.
18. Rigel DS. Cutaneous ultraviolet exposure and its relationship to the development of skin cancer. *J Am Acad Dermatol.* 2008;58:S129-32.
19. Panich U, Sittithumcharee G, Rathviboon N, Jirawatnotai S. Ultraviolet radiation-induced skin aging: The role of DNA damage and oxidative stress in epidermal stem cell damage mediated skin aging. *Stem Cells Int.* 2016;2016.
20. Zhan JYX, Wang XF, Liu YH. Andrographolide sodium bisulfate prevents uv-induced skin photoaging through inhibiting oxidative stress and inflammation. *Mediators Inflamm.* 2016;2016.
21. Sander CS, Chang H, Salzman S. Photoaging is associated with protein oxidation in human skin in vivo. *J Invest Dermatol.* 2002;118:618-625.
22. Pallela R, Na-Young Y, Kim SK. Anti-photoaging and photoprotective compounds derived from marine organisms. *Mar Drugs.* 2010;8(4):1189-1202.
23. Malvy J, Guinot C, Preziosi P. Epidemiologic determinants of skin photoaging: baseline data of the SU.VI.MAX. cohort. *J Am Acad Dermatol.* 2000;42(1 Pt 1):47-55.
24. Han A, Chien AL, Kang S. Photoaging. *Dermatol Clin.* 2014;32(3):291-299.
25. Katz BE, Lewis J, Mchugh L, Pellegrino A, Popescu L. The Tolerability and Efficacy of a. *J Clin Aesthetic Dermatology.* 2015;8(10):21-26.
26. Iannacone MR, Hughes MCB, Green AC. Effects of sunscreen on skin cancer and photoaging. *Photodermatol Photoimmunol Photomed.*
27. Rinnerthaler M, Bischof J, Streubel MK, Trost A, Richter K. Oxidative stress in aging human skin. *Biomolecules.* 2015;5(2):545-589.
28. Ichihashi M, Ando H, Yoshida M, Niki Y, Matsui M. Photoaging of the skin. *Anti-Aging Med.* 2009;6(6):46-59.
29. Pandel R, Poljšak B, Godic A, Dahmane R. Skin Photoaging and the Role of Antioxidants in Its Prevention. *ISRN Dermatol.* 2013;2013:1-11.
30. Madan K, Nanda S. In-vitro evaluation of antioxidant, anti-elastase, anti-collagenase, anti-hyaluronidase activities of safranal and determination of its sun

protection factor in skin photoaging. *Bioorg Chem.* 2018;77:159-167.

31. Poljšak B, Fink R. The Protective role of antioxidants in the defence against ROS / RNS-Mediated environmental pollution. *Oxidative Medicine and Cellular Longevity.* 2014;2014(i).
32. Lemperle G, Holmes RE, Cohen SR, Lemperle SM. A classification of facial wrinkles. *Plast Reconstr Surg.* 2001;108:1735-1750; discussion 1751-1752.
33. Gunawijaya E, Arhana B. Peran nitrogen oksida dalam infeksi. *Sari Pediatr.* 2000;2(2):113-119.
34. Pacher P, Joseph S, Beckman M, Liaudet P. Nitric oxide and peroxynitrite in health and disease. *Physiol Rev.* 2007;87:315-424.
35. Roselli M, Keller P, Dubey R. Role of nitric oxide in the biology, physiology, and pathophysiology of reproduction. *Hum Reprod Update.* 1998;4:3-24.
36. Habib S, Ali A. Biochemistry of nitric oxide. *Indian J Clin Biochem.* 2011;26(1):3-17.
37. Förstermann U, Sessa WC. Nitric oxide synthases: Regulation and function. *Eur Heart J.* 2012;33(7):829-837.
38. Gad MZ. Anti-aging effects of l-arginine. *J Adv Res.* 2010;1(3):169-177.
39. Mingliang C, Guiying Z, Mei Y, Ji L, Hongfu X, Xiang C. Effect of UVA irradiation on proliferation and NO/iNOS system of human skin fibroblast. *J Cent South Univ.* 2009;34(8):705-711.
40. Bilgiç Ö, Altınyazar HC, Baran H, Ünlü A. Serum homocysteine, asymmetric dimethyl arginine (ADMA) and other arginine-NO pathway metabolite levels in patients with psoriasis. *Arch Dermatol Res.* 2015;307(5):439-444.
41. Becherel P. Inducible nitric oxide synthase and proinflammatory cytokine expression by human keratinocytes during acute urticaria. *Mol Med.* 1997;3(10):686-694.
42. Olson N, van der Vliet A. Interactions between nitric oxide and hypoxia-inducible factor signaling pathways in inflammatory disease. *Nitric Oxide.* 2012;25(2):125-137.
43. Ozelik O, Algul S. Nitric oxide levels in response to the patients with different stage of diabetes. *Cell Mol Biol.* 2017;63(1):49-52.
44. Ali AM, Habeeb RA, El-Azizi NO, Khatatb DA, Abo-Shady RA, Elkabarity RH. Higher nitric oxide levels are associated with disease activity in Egyptian rheumatoid arthritis patients. *Rev Bras Reumatol (English Ed.)* 2014;54(6):446-451.
45. Susilowati A, Darmawan E. Gambaran kadar nitric oxide (NO) pada masyarakat

Yogyakarta. AKFARINDO 2016;1(1):19-25.

46. Purwadianti N, Oenzil F, Sulastri D. Artikel penelitian hubungan antara indeks massa tubuh dengan kadar nitrit oksida pada masyarakat etnik Minangkabau di Kota Padang. *Jurnal Kesehatan Andalas*. 2015;4(2):364-368.
47. Roméro-Graillet C, Aberdam E, Clément M, Ortonne JP, Ballotti R. Nitric oxide produced by ultraviolet-irradiated keratinocytes stimulates melanogenesis. *J Clin Invest*. 1997;99(4):635-642.
48. Hüls A, Vierkötter A, Gao W. Traffic-related air pollution contributes to development of facial lentigines: Further Epidemiological evidence from Caucasians and Asians. *J Invest Dermatol*. 2016;136(5):1053-1056.
49. Vierkötter A, Krutmann J. Environmental influences on skin aging and ethnic-specific manifestations. *Dermatoendocrinol*. 2012;4(3):227-231.
50. Chang ALS. Expanding our understanding of human skin aging. *Journal of Investigative Dermatology*. 2016;136(5):897-899.
51. Yin L, Morita A, Tsuji T. Skin aging induced by ultraviolet exposure and tobacco smoking: Evidence from epidemiological and molecular studies. *Photodermatol Photoimmunol Photomed*. 2001;17:178-183.
52. Primadiarti P, Rahmadewi. Peeling asam glikolat pada pasien photoaging (glicolic acid peels in photoaged patient). *BIKKK - Berkala Ilmu Kesehatan Kulit dan Kelamin*. 2014;26(2):97-102.
53. Green AC, Hughes MCB, McBride P, Fourtanier A. Factors associated with premature skin aging (photoaging) before the age of 55: A population-based study. *Dermatology*. 2011;222(1):74-80.
54. Kimlin MG, Guo Y. Assessing the impacts of lifetime sun exposure on skin damage and skin aging using a non-invasive method. *Sci Total Environ*. 2012;425:35-41.
55. Flament F, Bazin R, Laquieze S, Rubert V, Simonpietri E, Piot B. Effect of the sun on visible clinical signs of aging in Caucasian skin. *Clin Cosmet Investig Dermatol*. 2013;6:221-232.
56. Latreille J, Kesse-Guyot E, Malvy D. Dietary Monounsaturated fatty acids intake and risk of skin photoaging. *PLoS One*. 2012;7(9):3-9.
57. Lilyasari O. Hipertensi dengan obesitas: Adakah Peran endotelin-1? *Kardiologi Indones*. 2007;28(6):460-474.
58. Stephan BCM, Harrison SL, Keage HAD, Babateen A, Robinson L, Siervo M. Cardiovascular disease, the nitric oxide pathway and risk of cognitive impairment and dementia. *Curr Cardiol Rep*. 2017;19(9):87.