

DAFTAR PUSTAKA

- Alghamdi, K., & Ezzedine, K. (2012). Assessment methods for the evaluation of vitiligo. *Journal of the European Academy of Dermatology and Venereology*, 1–9.
- Alikhan, A., Felsten, L., Daly, L., Vesna, P.R. (2011). Vitiligo: A comprehensive overview: Part I. Introduction, epidemiology, quality of life, diagnosis, differential diagnosis, associations, histopathology, etiology, and work-up. *Journal of the American Academy of Dermatology*. Elsevier Inc, 65:473–491.
- Arora, B. P. N., Dhillon, M., Rajan, Sayal, C. A. D., Das, L.C. (2002). Serum zinc levels in cutaneous disorders. *Medical Journal Armed Forces India*, 58(4):304–306.
- Bagherani, N., dan R Smoller, B. (2016). An overview of zinc and its importance in dermatology-Part II: The association of zinc with some dermatologic disorders. *Global Dermatology*, 3(5):337–350.
- Cohen, B. E., Elbuluk, N., Mu, E. W., Orlov, S. (2015). Alternative Systemic Treatments for Vitiligo: A Review. *American Journal of Clinical Dermatology*, 16(6): 463–474.
- Dogra, S., Parsad, D., Handa, S., Kanwar, A. (2005). Late onset vitiligo: A study of 182 patients. *International Journal of Dermatology*, 44:193–196.
- Ezzedine, K., Eleftheriadou, V., Whitton, M. (2015). Vitiligo. *The Lancet*, 6736: 1–11.
- Ezzedine, K., & Harris, J. E. (2019). Vitiligo, in Kang, S. et al. (eds) *Fitzpatrick's Dermatology in General Medicine*. edisi 9. New York: McGraw-Hill, 1330–1350.
- Gupta, M., Mahajan, V., Mheta, K., Chauhan, P. (2014). Zinc therapy in dermatology: A review. *Dermatology Research and Practice*. Hindawi Publishing Corporation.
- Hinojosa, J. A., Tovar-garza, A. and Pandya, A. G. (2019). Vitiligo. *Evidence-Based Procedural Dermatology*, 4: 973–988.
- Huang, C. L., Nordlund, J. J., Boissy, R. 2002. Vitiligo: A manifestation of apoptosis?. *American Journal of Clinical Dermatology*, 3: 301–308.
- Jalel, A., Soumaya, G. S., Hamdaoui, M. H. (2009). Vitiligo treatment with vitamins, minerals and polyphenol supplementation. *Indian J Dermatol Venereol Leprol*, 54: 357–360.
- Iannella, G., Greco, A., Didona, D., Granata, G., Manno, A., et al. (2016). Vitiligo: Pathogenesis, clinical variants and treatment approaches. *Autoimmunity Reviews*. Elsevier B.V., 15: 335–343.
- Katsambas, A. D., & Nicolaidou, E. (2017). Vitiligo Classification and Clinical Presentations. in Handog, E. B. and Enriquez-Macarayo, M. J. (eds) *Melasma and Vitiligo in Brown Skin*. New Delhi: Springer Nature, 197–206.
- King, J. C. (1990). Assessment of Zinc Status. *The Journal of Nutrition*, 120: 1474–1479.
- Kitamura, H., Morikawa, H., Kamon, H., Iguchi, M., Hojyo, S., et al. 2006. Toll-

- like receptor-mediated regulation of zinc homeostasis influences dendritic cell function. *Nature Immunology*, 7(9): 971–977.
- Lazzeri, L., Colucci, R., Cammi, A., Dragoni F., Moretti, S. (2016). Adult Onset Vitiligo: Multivariate Analysis Suggests the Need for a Thyroid Screening. *BioMed Research International*, 2016:5.
- Lönnerdal, B. (2000). Zinc and Health: Current Status and Future Directions Dietary Factors Influencing Zinc Absorption 1. *The Journal of nutrition*, 130(February): 1378–1383.
- Lowe, N. M., Fekete, K., Decsi, T. (2009). Methods of assessment of zinc status in humans. *The American journal of clinical nutrition*, 89 (suppl): 1S-12S.
- Mogaddam, M. R., Ardabili, N. S., Maleki, N., Chinifroush, M. M., & Fard, E. M. (2017). Evaluation of the serum zinc level in patients with vitiligo. *Postepy dermatologii i alergologii*, 34(2):116–119.
- Mirnezami, M., & Rahimi, H. (2018). Serum Zinc Level in Vitiligo: A Case-control Study. *Indian Journal of Dermatology*, 63: 227–30.
- Nitzan, Y. B., & Cohen, A. D. (2006). Zinc in skin pathology and care. *Journal of Dermatological Treatment*, 17(4): 205–210.
- Ogawa, Y., Kinoshita, M., Shimada, S., & Kawamura, T. (2018). Zinc and Skin Disorders. *Nutrients*, 10(2): 199.
- Picardo, M., Dell'Anna, M., Ezzedine, K., Hamzavi, I., *et al.* (2015). Vitiligo. *Nat Rev Dis Primers* 1, 15011.
- Rashighi, M., & Harris, J. E. (2017). Vitiligo Pathogenesis and Emerging Treatments. *Dermatologic Clinics*, 35(2): 257–265.
- Rodrigues, M., Ezzedine, K., Hamzavi, I., Pandya, A.G., *et al.* (2017). New discoveries in the pathogenesis and classification of vitiligo. *Journal of American Academy of Dermatology*. Elsevier Inc, 77: 1–13.
- Sanna, A., Firinu, D., Zavattari, P., Valera, P., *et al.* (2018). Zinc status and autoimmunity: A systematic review and meta-analysis. *Nutrients*, 10(1).
- Sarkar, R., Sethi, S., Madan, A. (2017). Pathogenesis of Vitiligo, in Handog, E. B. and Enriquez-Macarayo, M. J. (eds) *Melasma and Vitiligo in Brown Skin*. New Delhi: Springer Nature: 191–96.
- Shameer, P., Prasad, P., Kaviarasan, P. (2005). Serum zinc level in vitiligo: A case control study. *Indian Journal of Dermatology, Venereology, and Leprology*, 71: 206–207.
- Sharma, V. K., Bhari, N., Tembhre, M. K. (2017). Vitiligo : Definition, Incidence, Etiology, in Enriquez-Macarayo, M. J. and Handog, E. B. (eds) *Melasma and Vitiligo in Brown Skin*. New Delhi: Springer Nature: 179–189.
- Speeckaert, R., & van Geel, N. (2017). Vitiligo: An Update on Pathophysiology and Treatment Options. *American Journal of Clinical Dermatology*. Springer International Publishing, 18(6): 733–744.
- Stefanidou, M., Maravelias, C., Dona, A., Spiliopoulou, C. (2006). Zinc: A multipurpose trace element. *Archives of Toxicology*, 80:1–9.
- Taïeb, A., & Picardo, M. (2007). The definition and assessment of vitiligo: A consensus report of the Vitiligo European Task Force. *Pigment Cell Research*, 20(1): 27–35.
- Tapiero, H., & Tew, K. D. (2003). Trace elements in human physiology and



- pathology: Zinc and metallothioneins. *Biomedicine and Pharmacotherapy*, 57(9): 399–411.
- Thappa, D. M., Chandrashekar, L., Malathi, M. (2017). Dermoscopy in Vitiligo, in Handog, E. B. and Enriquez-Macarayo, M. J. (eds) *Melasma and Vitiligo in Brown Skin*. New Delhi: Springer: 207–216.
- Wacewicz, M., Socha, K., Soroczynska, J., Niczyporuk, M., *et al.* (2018). Selenium, zinc, copper, Cu / Zn ratio, and total antioxidant status in the serum of vitiligo patients treated by narrow-band ultraviolet-B phototherapy. *Journal of Dermatological Treatment*, 190–195.
- Yaghoobi, R., Omidian, M., Bagherani, N. (2011). Vitiligo : A review of the published work. *Journal of Dermatology*, 38: 419–431.
- Zeng, Q., Yin, J., Fan, F., Chen, J., *et al.* (2014). Decreased copper and zinc in sera of Chinese vitiligo patients : A meta-analysis. *Journal of Dermatology*, 41: 245–251.