DAFTAR PUSTAKA

Aiba, S. *et al.* 'Alteration in the production of IL-10 and IL-12 and aberrant xpression of CD23, CD83 amd CD86 by monocytes or monocyte-derived dendritic cells from atopic dermatitis patients', *Experimental Dermatology*, 12(1). 2003

Bin, L. and Leung, D. Y. M. 'Genetic and epigenetic studies of atopic dermatitis', *Allergy, Asthma and Clinical Immunology*. BioMed Central, 12(1)2016

Choi, E.-J., Ryu, Y. B., Tang, Y., Kim, B. R., Lee, W. S., Debnath, T., Fan, M., Kim, E.-K. and Lee, H.-S.(2019) 'Effect of cinnamamides on atopic dermatitis through regulation of IL-4 in CD4+ cells', *Journal of Enzyme Inhibition and Medicinal Chemistry*. 34(1), pp. 613–619. doi: 10.1080/14756366.2019

Cooper PJ, Barreto ML, Rodrigues LC. Human allergy and geohelminth infections: a review of the literature and a proposed conceptual model to guide the investigation of possible causal associations. *British Medical Bulletin*; 79 and 80: 203–218. 2006

Croft AM, Bager P, Sushil K. Helminth therapy (worms) for allergic rhinitis. *Cochrane Databasesysrev*.2012 Apr 18;(4):CD009238. doi: 10.1002/1465

Dharmawati, I., Mahadewa, T. and Widyadharma, I. P. 'Antibacterial Activity of Lumbricus Rubellus Earthworm Extract Against Porphyromonas Gingivalis as the Bacterial Cause of Periodontitis', *Macedonian Journal of Medical Sciences*, 7. doi: 10.3889/oamjms.2019.

Deleanu, D. and Nedelea, I. 'Biological therapies for atopic dermatitis: An update (Review)', *Experimental and Therapeutic Medicine*. Spandidos Publications, 17(2), pp. 1061–1067. doi: 10.3892/etm.2018.

Deng, Z *et al*. 2018. The effect of earthworm extract on promoting skin wound healing. Bioscience Reports (2018)

Dewi, N. W. S., Mahendra, A. N., Putra, G. W. K., Jawi, I. M., Sukrama, D. M. and Kartini, N. L. 'Ethanolic extract of the powder of red earthworm (Lumbricus rubellus) obtained from several organic farmlands in Bali, Indonesia: Analysis of total phenolic content and antioxidant capacity', *Bali Medical Journal*, 6(3), p. 80. doi: 10.15562/bmj.v6i3.730.2017

Dor-Wojnarowska, A., Liebhart, J., Miecielica, J., Rabski, M., Fal, A., Samoliński, B. and Nittner-Marszalska, M. 'The Impact of Sex and Age on the Prevalence of Clinically Relevant Sensitization and Asymptomatic Sensitization in the General Population', *Archivum Immunologiae et Therapiae Experimentalis*, 65(3), pp. 253–261. doi: 10.1007/s00005-016-0425-7.2017

Irawan, Y., Rihatmadja, R., Legiawati, L., Yusharyahya, S. N. and Sularsito, S. A. 'Atopic dermatitis in the elderly', *Journal of General-Procedural Dermatology and Venereology Indonesia*, pp. 54–61. doi: 10.19100/jdvi.v1i2.32.2016

Kanwar AJ. (2016). Adult-onset Atopic Dermatitis. *Indian J Dermatol* ; 61(6): 662–663.

Kapur, S, Wade W, Stuart C.Atopic Dermatitis. Allergy Asthma Clin Immunol 2018, 14(Suppl 2):52. 43-53. 2018

Katayama, I, Aihara, M, Ohya, Y, Saeki, H, Shimojo, N, Shoji, S, Yamada, H. Japanese guidelines for atopic dermatitis 2017. *Allergology International*.2017

Kay, A. B.'Allergy and allergic diseases. First of two parts', *The New England journal of medicine*, 344(1).2011

Kelompok Studi Dermatologi Anak Indonesia. Panduan Diagnosis dan Tata Laksana Dermatitis Atopik di Indonesia. Jakarta : Centra Communications. 2014

Kim, J, Kim, B. E, & Leung, D. Y. M.. Pathophysiology of atopic dermatitis: Clinical implications. *Allergy and Asthma Proceedings*. 2019

Klonowska, J, Gleń, J, Nowicki, R. J., & Trzeciak, M.New cytokines in the pathogenesis of atopic dermatitis—New therapeutic targets. *International Journal of Molecular Sciences*.2018

Khan AR, Fallon PG.Helminth therapies: Translating the unknown unknowns to known knowns. *International Journal for Parasitology*; 7; 3497. 2013

Kusumawati, D., Rosita, C. and Prakoeswa, S. 'Profil Kadar Interleukin-31 Serum pada Pasien Dermatitis Atopik (Profile of Serum Interleukin-31 Levels in Atopic Dermatitis)', *periodical of dermatology and veneeology*, 29(2), pp. 142–50.2017

Le Lamer, M. *et al.* 'Defects of corneocyte structural proteins and epidermal barrier in atopic dermatitis', *Biological Chemistry*, 396(11). 2015

Loukas, A., Hotez, P. J., Diemert, D., Yazdanbakhsh, M., McCarthy, J. S., Correa-Oliveira, R., Croese, J. and Bethony, J. M. 'Hookworm infection', *Nature Reviews. Disease Primers*, 2, p. 2016 .16088. doi: 10.1038/nrdp.2016.88.

McPherson, T. Current understanding in pathogenesis of atopic dermatitis. *Indian Journal of Dermatology*. 2016

Nowicki R, Trzeciak M, Wilkowska A, Sokolowska-Wojdyło M, Ługowska-Umer H, *et al*. Atopic dermatitis: current treatment guidelines. Statement of the experts of the Dermatological Section, Polish Society of Allergology, and the Allergology Section, Polish Society of Dermatology', *Postepy Dermatol Alergol*, 32(4): 239–249.2015

Oyoshi, M. K. *et al. Chapter 3 Cellular and Molecular Mechanisms in Atopic Dermatitis*. 1st edn, *Advances in Immunology*. 1st edn. Elsevier Inc. 2776(09)01203-6.2009

Parwanto, MLE *et al*. Fractionation and Characterization of Proteins in Lumbricus rubellus Powders. International Journal of Pharmaceutical and Clinical Research 2016; 8(1): 15-21

Paul, W. E. History of interleukin-4. *Cytokine*. 2015

Permana, S., Hadi, R., Norahmawati, E. and Endharti, A.'Coelomic fluid of Lumbricus rubellus enhances anti-prolioniferative effect of 5-fluorouracil by modulating focal adhesion kinase express and IL-1β of colorectal cancer in mice, *Journal of Applied Pharmaceutical Science*, 9, pp. 41–046. doi: 10.7324/JAPS.2019.

Rambu, S. J. T. Hubungan kadar imunoglobulin-e spesifik dengan hasil uji tusuk kulit penderita dermatitis atopik anak. Hasanuddin University.2011

Samatra DPGP, Mahadewa Tjokorda GB, Sukrama DM, et al. Extract of earthworms (Lumbricus rubellus) reduced malondialdehyde and 8-hydroxy-deoxyguanosine level in male wistar rats infected by salmonella typhi. *Biomed Pharmacol J*. 2017.

Sayaseng KY, and Vernon P. 'Pathophysiology and Management of Mild to Moderate Pediatric Atopic Dermatitis.' *Journal of Pediatric Health Care*, 32 (2). 2018

Shang, H., Cao, X. L., Wan, Y. J., Meng, J., & Guo, L. H. IL-4 Gene Polymorphism May Contribute to an Increased Risk of Atopic Dermatitis in Children. *Disease Markers*.2016

Souza, VMO. *Et al.* Extracts of Ascaris suum egg and adult worm share similar immunosuppressive properties. Brazilian Journal of Medical and Biological Research (2012) 35: 81-89

Thijs, J, Krastev, T, Weidinger, S, Buckens, C. F., De Bruin-Weller, M., Bruijnzeel-Koomen, C. Hijnen, D. Biomarkers for atopic dermatitis: A systematic review and meta-analysis. *Current Opinion in Allergy and Clinical Immunology*. 2015

Thomsen. Atopic Dermatitis: Natural History, Diagnosis, and Treatment. Hindawi Publishing Corporation. 2014 : 1-7.

Trisina, J., Sunardi, F., Suhartono, M. T. and Tjandrawinata, R. R A Protein Extract from Lumbricus rubellus, Possesses Antithrombotic and Thrombolytic Activities', *Journal of Biomedicine and Biotechnology*, 2011.

Vakharia, P. P. & Silverberg, J. I. Monoclonal Antibodies for Atopic Dermatitis: Progress and Potential. *BioDrugs*. 2017

Weidinger, S.& Novak, N. Atopic dermatitis revisited. *Allergy: European Journal of Allergy and Clinical Immunology*. 2014

Werfel, T., Heratizadeh, A., Aberer, W. Ahrens, F.Augustin, M. Biedermann, T.Worm, M. S2k guideline on diagnosis and treatment of atopic dermatitis - Short version. *JDDG - Journal of the German Society of Dermatology*. 2016

Widuri, A, Tri WK. Pemanfaatan Cacing Merah (Lumbricus Rubellus) Sebagai Terapi Rinitis Alergi Dan Respon Peradangan Dengan Menginduksi Produksi Makrofag Il-10 dan TGF-β. Universitas Muhammadiyah Yogyakarta.2015

Widuri A & Suryani L. Pengaruh Suplementasi Probiotik *Lactobacillus casei L shirota strain* terhadap Kadar Ig E Penderita Rhinitis Alergi. *Otolaryngologyca Indonesiana (ORLI);* vol I. N0. 1. 2011

Yamamoto-Hanada, K, Kobayashi, T, Williams, H. C, Mikami, M., Saito-Abe, M., Morita, K, Ohya, Y. Early aggressive intervention for infantile atopic dermatitis to prevent development of food %allergy: a multicenter, investigator-blinded, randomized, parallel group controlled trial (PACI Study)—protocol for a randomized controlled trial. *Clinical and Translational Allergy*. 2018

Yang, Y, Wang, Q, Song, X, Jiang, W, Tang, S. Shen, F, & Xie, S. Association between IL-4, IL-6, IL-18 polymorphisms and atopic dermatitis risk: A meta-analysis. *International Journal of Clinical and Experimental Medicine*.2017

LAMPIRAN

Lampiran 1. Persetujuan Etik

Lampiran 2.

ELISA (Enzyme-Linked Immunosorbent Assay) kits (IL- 4)