

DAFTAR PUSTAKA

- A Umare, V., Nadkarni, A., Nadkar, M., Rajadhyksha, A., Khadilkar, P., Ghosh, K., & Pradhan, V. D. 2017. Do high sensitivity C-reactive protein and serum interleukin-6 levels correlate with disease activity in systemic lupus erythematosus patients?. *Journal of postgraduate medicine*, 63(2), 92–95.
- Ad Hoc Committee on Systemic Lupus Erythematosus Response Criteria for Fatigue. 2007. Measurement of fatigue in systemic lupus erythematosus: a systematic review. *Arthritis Rheum*; 57(8):1348–1357.
- Agarwal A, Oparin Y, Glick L, et al. 2018. Attitudes toward and management of fibromyalgia: a national survey of Canadian rheumatologists and critical appraisal of guidelines. *J Clin Rheumatol*; 24: 243–249.
- Ahmadpoor, P., Dalili, N. and Rostami, M., 2014. An update on pathogenesis of systemic lupus erythematosus. *Iranian journal of kidney diseases*, 8(3).
- Ahn GE, Ramsey-Goldman R. 2012. Fatigue in systemic lupus erythematosus. *Int J Clin Rheumatol*; 7: 217–227
- Åkesson, K., Pettersson, S., Ståhl, S., Surowiec, I., Hedenström, M., Eketjäll, S., Trygg, J., Jakobsson, P.J., Gunnarsson, I., Svenungsson, E. and Idborg, H., 2018. Kynurenine pathway is altered in patients with SLE and associated with severe fatigue. *Lupus science & medicine*, 5(1), p.e000254.

- Arbuckle MR, McClain MT, Rubertone MV, Scofield RH, Dennis GJ, James JA, et al. 2003. Development of autoantibodies before the clinical onset of systemic lupus erythematosus. *N Engl J Med.*;349:1526–33.
- Aung, T., Sahakian, L., Skaggs, B., Grossman, J. and McMahon, M., 2017. AB0535 Fatigue is associated with hs-crp in patients with systemic lupus erythematosus. *Br Med J*.
- Azizoddin DR, Gandhi N, Weinberg S, Sengupta M, Nicassio PM, Jolly M. 2019. Fatigue in systemic lupus: the role of disease activity and its correlates. *Lupus*;28(2):163-173.
- Bachen EA, Chesney MA, Criswell LA. 2009. Prevalence of mood and anxiety disorders in women with systemic lupus erythematosus. *Arthritis Rheum*; 61: 822–829.
- Bakalidou, D., Skordilis, E.K., Giannopoulos, S., Stamboulis, E. and Voumvourakis, K., 2013. Validity and reliability of the FSS in Greek MS patients. *SpringerPlus*, 2(1), p.304.
- Barnes EV, Narain S, Naranjo A, Shuster J, Segal MS, Sobel ES, et al. 2005. High sensitivity C-reactive protein in systemic lupus erythematosus: Relation to disease activity, clinical presentation and implications for cardiovascular risk. *Lupus*;14:576–82.
- Basta, F., Margiotta, D.P.E., Vadacca, M., Vernuccio, A., Mazzuca, C., Diamanti, A.P. and Afeltra, A., 2018. Is fatigue a cause of work disability in Systemic

Lupus Erythematosus? Results from a systematic literature review. European review for medical and pharmacological sciences, 22, pp.4589-4597.

Baumann H and Gauldie J. 1990. Regulation of hepatic acute phase plasma protein genes by hepatocyte stimulating factors and other mediators of inflammation. Mol Biol Med;7:147–59.

Beck, A.T. 1996. Beck Depression Inventory II (BDI-II). Harcourt Brace & Company.

Bertoli, A.M., Vila, L.M., Reveille, J.D., Alarcon, G.S, and LUMINA study group. 2008. Systemic lupus erythematosus in a multiethnic US cohort (LUMINA): LXI. Value of C-reactive protein as a marker of disease activity and damage. J Rheumatol; 35: 2355

Brey RL, Holliday SL, Saklad AR, et al. 2002. Neuropsychiatric syndromes in lupus: prevalence using standardized definitions. Neurology; 58: 1214–1220.

Brinks, R., Hoyer, A., Weber, S., Fischer-Betz, R., Sander, O., Richter, J. G., Chehab, G., and Schneider, M, 2016. Age-specific and sex-specific incidence of systemic lupus erythematosus: an estimate from cross-sectional claims data of 2.3 million people in the German statutory health insurance 2002. Lupus science & medicine, 3(1).

Bruce IN, Mak VC, Hallett DC, et al. 1999. Factors associated with fatigue in patients with systemic lupus erythematosus. Ann Rheum Dis;58:379-81.

- Carter EE, Barr SG, Clarke AE. 2016. The global burden of SLE: prevalence, health disparities and socioeconomic impact. *Nat Rev Rheumatol*, 12(10):605.
- Centers for Disease Control and Prevention. 2015. Systemic lupus erythematosus (SLE or lupus).
- Cho, H.J., Seeman, T.E., Bower, J.E., Kiefe, C.I. and Irwin, M.R., 2009. Prospective association between C-reactive protein and fatigue in the coronary artery risk development in young adults study. *Biological psychiatry*, 66(9), pp.871-878.
- Cleanthous, S. et al. (2012) ‘What do we know about self-reported fatigue in systemic lupus erythematosus?’, *Lupus*, 21(February), pp. 465–476. doi: 10.1177/0961203312436863.
- Da Costa D, Dritsa M, Bernatsky S, et al. 2006. Dimensions of fatigue in systemic lupus erythematosus: relationship to disease status and behavioral and psychosocial factors. *J Rheumatol*; 33:1282–1288.
- Da Silva, AE., dos Reis-Neto, ET., da Silva, NP., Sato, EL. 2013. *Lupus*, 22(14):1479-83.
- Dantzer, R. 2006. Cytokine, sickness behavior, and depression. *Neurol Clin*, 24(3):441-60.
- Del Pino- Sedeño, T., Trujillo- Martín, M.M., Ruiz- Irastorza, G., Cuellar- Pompa, L., de Pascual- Medina, A.M., Serrano- Aguilar, P. and Spanish Systemic Lupus Erythematosus CPG Development Group, 2016. Effectiveness

of nonpharmacologic interventions for decreasing fatigue in adults with systemic lupus erythematosus: a systematic review. *Arthritis care & research*, 68(1), pp.141-148.

Departemen Kesehatan RI, 1983. Pedoman Rehabilitasi Pasien Mental Rumah Sakit Jiwa di Indonesia. Ditkes. Yankes Depkes RI. Jakarta.

Di Franco M, Guzzo MP, Spinelli FR, Atzeni F, Sarzi-Puttini P, Conti F, Iannuccelli C. 2014. Pain and systemic lupus erythematosus. *Reumatismo*;66(1):33-8. doi: 10.4081/reumatismo.2014.762. PMID: 24938194.

Du, X., Zhao, Q., Zhuang, Y., Chen, H. and Shen, B., 2018. Fatigue of systemic lupus erythematosus in china: contributors and effects on the quality of life. *Patient preference and adherence*, 12, p.1729.

Fonseca, F.A.H., Izar, M.C.D.O., 2016. High-sensitivity C-reactive protein and cardiovascular disease across countries and ethnicities. *Clinics*, 71(4), pp.235-242.

Fonseca, R., Bernardes, M., Terroso, G., de Sousa, M. and Figueiredo-Braga, M., 2014. Silent burdens in disease: fatigue and depression in SLE. *Autoimmune diseases*, 2014.

Figueiredo-Braga, M., Mota-Garcia, F., O'Connor, JE., Garcia, JR. Mota-Cardoso, R., Cardoso, CS.. 2009. Cytokines and anxiety in systemic lupus erythematosus (SLE) patients not receiving antidepressant medication: a little-explored frontier and some of its brief history. *Acad Sci*, 1173():286-91.

- Gladman DD, Ibañez D, Urowitz MB. Systemic lupus erythematosus disease activity index 2000. *J Rheumatol.* 2002 Feb;29(2):288-91. PMID: 11838846.
- Hamijoyo, L., Candrianita, S., Rahmadi, A.R., Dewi, S., Darmawan, G., Suryajaya, B.S., Rainy, N.R., Hidayat, I.I., Moenardi, V.N. and Wachjudi, R.G., 2019. The clinical characteristics of systemic lupus erythematosus patients in Indonesia: a cohort registry from an Indonesia-based tertiary referral hospital. *Lupus*, 28(13), pp.1604-1609.
- Jolly, M. (2005) 'How Does Quality of Life of Patients with Systemic Lupus Erythematosus Compare with That of Other Common Chronic Illnesses?', *The Journal of Rheumatology*, 32(9), pp. 3–6.
- Kaptoge S, Di Angelantonio E et al. 2010. C-reactive protein concentration and risk of coronary heart disease, stroke, and mortality: an individual participant meta-analysis. *Lancet.*;3759709:132–140.
- Kasjmir, Y.I, Handono, K., Wijaya, L.K., Hamijoyo, L., Albar, Z., Kalim, H., et al. Dalam: Setiati, S., Alwi, I., Sudoyo, A.W., Simadibrata, M., Setiyohadi, B., Syam, A.F., penyunting. *Buku Ajar Ilmu Penyakit Dalam* edisi ke – 6. Jakarta: Interna Publishing; 2014.
- Kaul, A., Gordon, C., Crow, M., Touma, Z., Urowitz, M., van Vollenhoven, R., Ruiz-Irastorza, G. and Hughes, G. (2016). Systemic lupus erythematosus. *Nature Reviews Disease Primers*, 2(1).

- Keenan, R.T., Swearingen, C.J. and Yazici, Y., 2008. Erythrocyte sedimentation rate and C-reactive protein levels are poorly correlated with clinical measures of disease activity in rheumatoid arthritis, systemic lupus erythematosus and osteoarthritis patients. *Clin Exp Rheumatol*, 26(5), p.814.
- Khanna, S., Pal. H., Pandey, R.M. 2004. The relationship between disease activity and quality of life in systemic lupus erythematosus. *Rheumatology* 43:1536±1540.
- Krupp LB, La Rocca NG, Muir-Nash J, Steinberg AD. 1989. Fatigue severity score. Application to patients with multiple sclerosis and systemic lupus erythematosus. *Arch Neurol*;46:1121-23
- Kumbhare D, Ahmed S, Sander T, Grosman-Rimon L, Srbely J. 2018. A survey of physicians' knowledge and adherence to the diagnostic criteria for Fibromyalgia. *Pain Med*; 19: 1254–1264
- La Paglia, G.M.C., Leone, M.C., Lepri, G., Vagelli, R., Valentini, E., Alunno, A. and Tani, C., 2017. One year in review 2017: systemic lupus erythematosus. *Clin Exp Rheumatol*, 35(4), pp.551-561.
- Lee, S. S., Singh, S., Link, K., and Petri, M. 2008. High-sensitivity C-reactive protein as an associate of clinical subsets and organ damage in systemic lupus erythematosus. *Seminars in arthritis and rheumatism*, 38(1), 41–54.
- Lichstein, K.L., Means, M.K., Noe, S.L. and Aguillard, R.N., 1997. Fatigue and sleep disorders. *Behaviour research and therapy*, 35(8), pp.733-740.

Liu, T.J., Chang, C.C., Chen, L.C., Chu, H.Y., Hsu, C.S. and Chang, S.T., 2018.

Relationship of HS CRP and sacroiliac joint inflammation in undifferentiated spondyloarthritis. *Open Medicine*, 13(1), pp.113-118.

Lorentzen, K., Danielsen, M.A., Kay, S.D. and Voss, A., 2014. Validation of the Fatigue Severity Scale in Danish patients with systemic lupus erythematosus.

Dan Med J, 61(4), p.A4808.

Maes, M., Berk, M., Goehler, L., Song, C., Anderson, G., Galecki, P., Leonard., B.

2012. Depression and sickness behavior are Janus-faced responses to shared inflammatory pathways. *BMC Med*, 10():66.

Mahieu, M.A., Ahn, G.E., Chmiel, J.S., Dunlop, D.D., Helenowski, I.B., Semanik,

P., Song, J., Yount, S., Chang, R.W. and Ramsey-Goldman, R., 2016. Fatigue, patient reported outcomes, and objective measurement of physical activity in systemic lupus erythematosus. *Lupus*, 25(11), pp.1190-1199.

McElhone, K. et al. (2007) 'Development and Validation of a Disease-Specific Health-Related Quality of Life Measure , the LupusQoL , for Adults With Systemic Lupus Erythematosus', *Arthritis & Rheumatism*, 57(6), pp. 972–979. doi: 10.1002/art.22881.

Mok, C. C., Birmingham, D. J., Ho, L. Y., Hebert, L. A., & Rovin, B. H. 2013.

High-sensitivity C-reactive protein, disease activity, and cardiovascular risk factors in systemic lupus erythematosus. *Arthritis care & research*, 65(3), 441–447.

- Morris, G., Berk, M., Walder, K. and Maes, M., 2015. Central pathways causing fatigue in neuro-inflammatory and autoimmune illnesses. *BMC medicine*, 13(1), p.28.
- Musaarah, Y., 2016. Efek Samping Pengobatan Lupus Eritematosus Sistemik Pada Pasien Lupus Di Instalasi Rawat Jalan RSUP Dr. Sardjito Yogyakarta Periode Maret 2016 (Doctoral dissertation, Universitas Gadjah Mada).
- Neill, J., Belan, I., Ried, K. 2006. Effectiveness of non- pharmacological interventions for fatigue in adults with multiple sclerosis, rheumatoid arthritis, or systemic lupus erythematosus: a systematic review. Volume 57 Issue 2 *Journal of Advanced Nursing*; 57(2): 225-225.
- Neuberger, G.B., 2003. Measures of fatigue: the fatigue questionnaire, fatigue severity scale, multidimensional assessment of fatigue scale, and short form-36 vitality (energy/fatigue) subscale of the short form health survey. *Arthritis Care & Research: Official Journal of the American College of Rheumatology*, 49(S5), pp.S175-S183.
- Nguyen, M.H., Bryant, K. and O'Neill, S.G., 2018. Vitamin D in SLE: a role in pathogenesis and fatigue? A review of the literature. *Lupus*, 27(13), pp.2003-2011.
- Omdal R, Mellgren SI, Koldingsnes W, Jacobsen EA, Husby G. 2002. Fatigue in patients with systemic lupus erythematosus: lack of associations to serum

cytokines, antiphospholipid antibodies, or other disease characteristics. *J Rheumatol*;29:482-6.

O’Riordan, R., Doran, M. and Connolly, D., 2017. Fatigue and activity management education for individuals with systemic lupus erythematosus. *Occup Therapy Int*, 2017.

Özel, F. and Argon, G., 2015. The effects of fatigue and pain on daily life activities in systemic lupus erythematosus. *Ağrı-The Journal of The Turkish Society of Algology*, 27(4), pp.181-189.

Palagini, L., Mosca, M., Tani, C., Gemignani, A., Mauri, M., Bombardieri, S. 2013. Depression and systemic lupus erythematosus: a systematic review. *Lupus*, 22(5):409-16.

Pawlak, K., Brzosko, S., Mysliwiec, M. and Pawlak, D., 2009. Kynurenine, quinolinic acid—the new factors linked to carotid atherosclerosis in patients with end-stage renal disease. *Atherosclerosis*, 204(2), pp.561-566.

Perhimpunan Reumatologi Indonesia. 2011. *Diagnosis dan Pengelolaan Lupus Erimatosus Sistemik*. Perhimpunan Reumatologi Indonesia

Pettersson, S. et al. (2010) ‘Women’ s experience of SLE-related fatigue : a focus group interview study’, *Rheumatology*, 49, pp. 1935–1942. doi: 10.1093/rheumatology/keq174.

Pocovi-Gerardino, G., Correa-Rodríguez, M., Rubio, J.L.C., Fernández, R.R., Amada, M.M., Caparros, M.G.C., Rueda-Medina, B. and Ortego-Centeno, N.,

2019. The Relationships of High-Sensitivity C-Reactive Protein and Homocysteine Levels With Disease Activity, Damage Accrual, and Cardiovascular Risk in Systemic Lupus Erythematosus. *Biological Research For Nursing*, p.1099800419889192.
- Prasad K. 2006. C-reactive protein (CRP)-lowering agents. *Cardiovasc Drug Rev*;24(1):33-50. doi: 10.1111/j.1527-3466.2006.00033.x. PMID: 16939632.
- Prochaska, M.T., Newcomb, R., Block, G., Park, B. and Meltzer, D.O., 2017. Association between anemia and fatigue in hospitalized patients: does the measure of anemia matter?. *Journal of Hospital Medicine*, 12(11), p.898.
- Qiu, R., Gao, Y., Hou, D., Wang, Y., Yu, C., Wang, W., Liu, S., Gao, C., Tong, X. and Wu, J., 2016. Association between hs-CRP levels and the outcomes of patients with small-artery occlusion. *Frontiers in aging neuroscience*, 8, p.191.
- Ramsey-Goldman, R. and Rothrock, N., 2010. Fatigue in systemic lupus erythematosus and rheumatoid arthritis. *PM&R*, 2(5), pp.384-392.
- Ratnadi, P.C., Suega, K., Rena, R.A., 2016. Hubungan antara kadar hemoglobin dengan tingkat keparahan penyakit pasien systemic lupus erithematosus di RSUP Sanglah.
- Razban, M.M., Eslami, M. and Bagherzadeh, A., 2016. The relationship between serum levels of hs-CRP and coronary lesion severity. *Clujul Medical*, 89(3), p.352.

- Rees F, Doherty M, Grainge MJ, Lanyon P, Zhang W. 2017. The worldwide incidence and prevalence of systemic lupus erythematosus: a systematic review of epidemiological studies. *Rheumatology*. 2017;56(11):1945–1961.
- Rezaieyazdi, Z., Sahebari, M., Hatef, M.R., Abbasi, B., Rafatpanah, H., Afshari, J.T. and Esmaily, H., 2011. Is there any correlation between high sensitive CRP and disease activity in systemic lupus erythematosus?. *Lupus*, 20(14), pp.1494-1500.
- Rifa'i, A., Kalim, H., Handono, K. and Wahono, C.S., Validity and reliability fatigue severity scale in patients with Systemic Lupus Erythematosus (SLE) in Indonesia. *Indonesian Journal of Rheumatology*, 8(1).
- Rifai, N. and Ridker, P.M., 2001. High-sensitivity C-reactive protein: a novel and promising marker of coronary heart disease. *Clinical chemistry*, 47(3), pp.403-411.
- Roussou E, Iacovou C, Weerakoon A, et al. 2013. Stress as a trigger of disease flares in SLE. *Rheumatol Int*; 33: 1367–1370.
- Ryan, T.P., 2013. Sample size determination and power. John Wiley & Sons.
- Salomão, R.G., de Carvalho, L.M., Izumi, C., Czernisz, É.S., Rosa, J.C., Antonini, S.R.R., et al., 2018. Homocysteine, folate, hs-C-reactive protein, tumor necrosis faktor alpha and inflammatory proteins: are these biomarkers related to nutritional status and cardiovascular risk in childhood-onset systemic lupus erythematosus?. *Pediatric Rheumatology*, 16(1), p.4.

- Schur PH. 2011. Laboratory Evaluation of Patients with Systemic Lupus Erythematosus. In : Lahita RG. (editors). Systemic Lupus Erythematosus. Fifth Edition. London : Academic Press. Pp 630-65.
- Skapinakis, P., Lewis, G., Mayreas, V. 2004. Temporal relations between unexplained fatigue and depression: longitudinal data from an international study in primary care. *Psychosom Med*, 66(3):330-5.
- Skarpsno ES, Mork PJ, Nilsen TIL, Steingr msd ttir  A, Zwart JA, Nilsen KB. 2019. The interplay between sleeplessness and high-sensitivity C-reactive protein on risk of chronic musculoskeletal pain: longitudinal data from the Troms  Study. *Sleep*;42(9):zsz127.
- Sterling, K.L., Gallop, K., Swinburn, P., Flood, E., French, A., Sawah, S.A., Iikuni, N., Naegeli, A.N. and Nixon, A., 2014. Patient-reported fatigue and its impact on patients with systemic lupus erythematosus. *Lupus*, 23(2), pp.124-132.
- Stojan G, Fang H, Magder L, Petri M. 2013. Erythrocyte sedimentation rate is a predictor of renal and overall SLE disease activity. *Lupus* 2013; 22(8).
- Suarjana, I.N. Dalam: Setiati, S., Alwi, I., Sudoyo, A.W., Simadibrata, M., Setiyohadi, B., Syam, A.F., penyunting. *Buku Ajar Ilmu Penyakit Dalam edisi ke – 6*. Jakarta: Interna Publishing; 2014.
- Tayefi M, Shafiee M, Kazemi-Bajestani SMR, Esmaeili H, Darroudi S, Khakpouri S, Mohammadi M, Ghaneifar Z, Azarpajouh MR, Moohebaty M, Heidari-Bakavoli A, Parizadeh MR, Nematy M, Safarian M, Ebrahimi M, Ferns GA,

- Mokhber N, Ghayour-Mobarhan M. 2017. Depression and anxiety both associate with serum level of hs-CRP: A gender-stratified analysis in a population-based study. *Psychoneuroendocrinology*;81:63-69.
- Tayer WG, Nicassio PM, Weisman MH, Schuman C, Daly J. 2001. Disease status predicts fatigue in systemic lupus erythematosus. *J Rheumatol*;28:1999-2007.
- Tench CM, McCurdie I, White PD, D'Cruz DP. 2000. The prevalence and associations of fatigue in systemic lupus erythematosus. *Rheumatology Oxford*;39:1249-54.
- Umare, V., Nadkarni, A., Nadkar, M., Rajadhyksha, A., Khadilkar, P., Ghosh, K. and Pradhan, V.D., 2017. Do high sensitivity C-reactive protein and serum interleukin-6 levels correlate with disease activity in systemic lupus erythematosus patients?. *Journal of postgraduate medicine*, 63(2), p.92.
- Uribe, América & Vilá, Luis & McGwin, Gerald & Sanchez, Martha & Reveille, John & Alarcon, Graciela. 2004. The Systemic Lupus Activity Measure-Revised, the Mexican Systemic Lupus Erythematosus Disease Activity Index (SLEDAI), and a Modified SLEDAI-2K are adequate instruments to measure disease activity in systemic lupus erythematosus. *The Journal of rheumatology*. 31. 1934-40.
- Vu TV, Escalante AA. 1999. Comparison of the quality of life of patients with systemic lupus erythematosus with and without endstage renal disease. *J Rheumatol*; 26: 2595–2601.

- Waldheim E, Elkan AC, Pettersson S, et al. 2013. Health-related quality of life, fatigue and mood in patients with SLE and high levels of pain compared to controls and patients with low levels of pain. *Lupus*; 22: 1118–1127.
- Wang B, Gladman DD, Urowitz MB. 1998. Fatigue in lupus is not correlated with disease activity. *J Rheumatol*;25:892-5.
- Wu, M.L., Yu, K.H. and Tsai, J.C., 2017. The Effectiveness of Exercise in Adults With Systemic Lupus Erythematosus: A Systematic Review and Meta-Analysis to Guide Evidence- Based Practice. *Worldviews on Evidence- Based Nursing*, 14(4), pp.306-315.
- Wysenbeek AJ, Leibovici L, Weinberger A, et al. 1993. Fatigue in systemic lupus erythematosus. Prevalence and relation to disease expression. *Br J Rheumatol*;32:633-5.
- Zonana-Nacach A, Roseman JM, McGwin G Jr, et al. 2000. Systemic lupus erythematosus in three ethnic groups. VI: factors associated with fatigue within 5 years of criteria diagnosis. LUMINA Study Group. *Lupus*;9:101-9.
- Zuo, H., Ueland, P. M., Ulvik, A., Eussen, S. J., Vollset, S. E., Nygård, O., Midttun, Ø., Theofylaktopoulou, D., Meyer, K., & Tell, G. S. 2016. Plasma Biomarkers of Inflammation, the Kynurenine Pathway, and Risks of All-Cause, Cancer, and Cardiovascular Disease Mortality: The Hordaland Health Study. *American journal of epidemiology*, 183(4), 249–258.