

## DAFTAR PUSTAKA

- Akboga, M. K., Canpolat, U., Yuksel, M., Yayla, C., Yilmaz, S., Turak, O., Ozeke, O., Topaloglu, S., & Aras, D. (2016). Platelet to lymphocyte ratio as a novel indicator of inflammation is correlated with the severity of metabolic syndrome: A single center large-scale study. *Platelets*, 27(2), 178–183. <https://doi.org/10.3109/09537104.2015.1064518>
- Aldemir, H., & Kiliç, N. (2005). The effect of time of day and exercise on platelet functions and platelet–neutrophil aggregates in healthy male subjects. *Molecular and Cellular Biochemistry*, 280(1-2), 119–124. doi:10.1007/s11010-005-8238-8
- Anisa, S. N., Hutami, P. T., Rahmania, F. A., Rusdi, A., & Wibisono, M. (2019). Hubungan syukur dan sabar terhadap kesejahteraan subjektif pada remaja. *PSIKOLOGIKA: Jurnal Pemikiran dan Penelitian Psikologi*, 24(2), 155-166
- Amalia, S. (2016). *Analisa Psikometrik Alat Ukur Ryff's Psychological Well-Being (Rpwb) Versi Bahasa Indonesia: Studi Pada Lansia*. Magister Sains Psikologi Perkembangan: Universitas Padjadjaran Bandung
- American Diabetes Association (ADA). (2021). 2. Classification and diagnosis of diabetes: Standards of Medical Care-2021. *Diabetes Care* 2021;44(Suppl. 1):S15-S33
- American Diabetes Association Professional Practice Committee (ADA). (2022). 13. Older Adults: Standards of Medical Care in Diabetes-2022. *Diabetes care*, 45(Suppl 1), S195–S207. <https://doi.org/10.2337/dc22-S013>.
- Arai, Y., Martin-Ruiz, C. M., Takayama, M., Abe, Y., Takebayashi, T., Koyasu, S., Suematsu, M., Hirose, N., & von Zglinicki, T. (2015). Inflammation, But Not Telomere Length, Predicts Successful Ageing at Extreme Old Age: A Longitudinal Study of Semi-supercentenarians. *EBioMedicine*, 2(10), 1549–1558. <https://doi.org/10.1016/j.ebiom.2015.07.029>
- Arman, M., Payne, H., Ponomaryov, T., & Brill, A. (2015). Role of Platelets in Inflammation: The Non-Thrombotic Role Platelets in Health and Disease. <https://www.intechopen.com/chapters/48530> diakses pada 20 November 2021.
- Atak, B., Aktas, G., Duman, T. T., Erkus, E., Kocak, M. Z., & Savli, H. (2019). Diabetes control could through platelet-to-lymphocyte ratio in hemograms. *Revista da Associacao Medica Brasileira (1992)*, 65(1), 38–42. <https://doi.org/10.1590/1806-9282.65.1.38>
- Badan Perencanaan dan Pembangunan Daerah (BAPPEDA). (2020). *Angka Harapan Hidup DIY 2017-2021*. [http://bappeda.jogjaprovo.go.id/dataku/data\\_dasar/cetak/512-angka-harapan-hidup?id\\_skpd=29](http://bappeda.jogjaprovo.go.id/dataku/data_dasar/cetak/512-angka-harapan-hidup?id_skpd=29) diakses pada 25 Oktober 2021
- Badan Pusat Statistik (BPS). (2017). *Berita Resmi Statistik No. 52/09/34/Th. XIX Indeks Kebahagiaan Daerah Istimewa Yogyakarta Tahun 2017*. <https://yogyakarta.bps.go.id/pressrelease/2017/09/04/812/indeks-kebahagiaan->

[daerah-istimewa-yogyakarta-tahun-2017-sebesar-72-93.html](#) diakses 1 Desember 2021

Badan Pusat Statistik (BPS). (2020a). *Angka Harapan Hidup (AHH) Menurut Provinsi dan Jenis Kelamin (Tahun), 2018 - 2020*. <https://www.bps.go.id/indicator/40/501/1/angka-harapan-hidup-ahh-menurut-provinsi-dan-jenis-kelamin.html>. diakses 7 Oktober 2021

Badan Pusat Statistik (BPS). (2020b). *Persentase Penduduk Miskin (P0) Menurut Provinsi dan Daerah 2020-2021*. <https://www.bps.go.id/indicator/23/192/1/persentase-penduduk-miskin-menurut-provinsi.html> diakses 1 Desember 2021

Balta, S., Kurtoglu, E., Kucuk, U., Demirkol, S., & Ozturk, C. (2014). Neutrophil-lymphocyte ratio as an important assessment tool. *Expert review of cardiovascular therapy*, 12(5), 537–538. <https://doi.org/10.1586/14779072.2014.902309>

Barzilai N., Huffman D.M, Muzumdar R.H, Bartke A. (2012). The critical role of metabolic pathways in aging. *Diabetes*: 61:1315–1322. [PubMed: 22618766]

Battaglia, S., Scialpi, N., Berardi, E., Antonica, G., Suppressa, P., Diella, F. A., Colapietro, F., Ruggieri, R., Guglielmini, G., Noia, A., Graziano, G., Sabbà, C., & Cariello, M. (2020). Gender, BMI and fasting hyperglycaemia influence Monocyte to-HDL ratio (MHR) index in metabolic subjects. *PloS one*, 15(4), e0231927. <https://doi.org/10.1371/journal.pone.0231927>

Behl T., Goel, H., Kaur, I., *et al.* (2014). Role of C Reactive Protein in Diabetes Mellitus And its Associated Complications. *Indo American Journal of Pharm Research*. 2014:4(11).

Blake, G. J., & Ridker, P. M. (2001). Novel clinical markers of vascular wall inflammation. *Circulation research*, 89(9), 763–771. <https://doi.org/10.1161/hh2101.099270>

Blanco, L., Rodríguez-Revuelta, J., Garcia-Portilla, M.P., Courtet, P., Bobes, J., Guti errez, L., S aiz, P.A., 2020. Sex-dependent grades of haematopoietic modulation

Brouwers, C., Mommersteeg, P. M., Nyklíček, I., Pelle, A. J., Westerhuis, B. L., Szabó, B. M., & Denollet, J. (2013). Positive affect dimensions and their association with inflammatory biomarkers in patients with chronic heart failure. *Biological psychology*, 92(2), 220–226. <https://doi.org/10.1016/j.biopsycho.2012.10.002>

Butterfield, T. A., Best, T. M., & Merrick, M. A. (2006). The dual roles of neutrophils and macrophages in inflammation: a critical balance between tissue damage and repair. *Journal of athletic training*, 41(4), 457–465.

Çağdaş, M., Karakoyun, S., Yesin, M., Rencüzoğulları, İ., Karabağ, Y., Uluganyan, M., Ozan Gürsoy, M., Artaç, İ., İliş, D., Atalay, E., & Sadioğlu Çağdaş, Ö. (2018). The Association between Monocyte HDL-C Ratio and SYNTAX Score and SYNTAX Score II in STEMI Patients Treated with

- Primary PCI. *Acta Cardiologica Sinica*, 34(1), 23–30.  
[https://doi.org/10.6515/ACS.201801\\_34\(1\).20170823A](https://doi.org/10.6515/ACS.201801_34(1).20170823A)
- Calle, M. C., & Fernandez, M. L. (2012). Inflammation and type 2 diabetes. *Diabetes & metabolism*, 38(3), 183–191.  
<https://doi.org/10.1016/j.diabet.2011.11.006>
- Carstensen, L. L., Turan, B., Scheibe, S., Ram, N., Ersner-Hershfield, H., Samanez-Larkin, G. R., Brooks, K. P., & Nesselroade, J. R. (2011). Emotional experience improves with age: evidence based on over 10 years of experience sampling. *Psychology and aging*, 26(1), 21–33.  
<https://doi.org/10.1037/a0021285>
- Casaletto, K. B., Staffaroni, A. M., Elahi, F., Fox, E., Crittenden, P. A., You, M., Neuhaus, J., Glymour, M., Bettcher, B. M., Yaffe, K., & Kramer, J. H. (2018). Perceived Stress is Associated with Accelerated Monocyte/Macrophage Aging Trajectories in Clinically Normal Adults. *The American journal of geriatric psychiatry : official journal of the American Association for Geriatric Psychiatry*, 26(9), 952–963.  
<https://doi.org/10.1016/j.jagp.2018.05.004>
- Casmini. (2011). *Kecerdasan Emosi dan Kepribadian Sehat Dalam Konteks Budaya Jawa di Yogyakarta. Disertasi (Tidak Diterbitkan)*. Yogyakarta: Program Doktor Psikologi Fakultas Psikologi UGM.
- Cavanaugh, J.C. dan Blanchard-Fields, F. (2006). *Adult development and aging (5th ed.)*. California: Wadsworth.
- Celestine, N. (2021). *The Ryff Scales of Psychological Wellbeing: Your How-to Guide*. <https://positivepsychology.com/ryff-scale-psychological-wellbeing/> diakses pada 1 Desember 2021
- Centers for Disease Control and Prevention (CDC). (2018). *About chronic disease: chronic disease prevention and health promotion*. <https://www.cdc.gov/chronicdisease/about/index.htm> diakses pada 11 Januari 2021
- Centers for Disease Control and Prevention (CDC). (2020). *National Diabetes Statistics Report 2020*. Atlanta, GA: Centers for Disease Control and Prevention, U.S. Dept of Health and Human Services.
- Centers for Disease Control and Prevention (CDC). 2008. *The State of Mental Health and Aging in America Issue Brief I What Do the Data Tell Us?*. Atlanta, GA: National Association of Chronic Disease Directors
- Chen, Y., Zhang, Y., Zhao, G., Chen, C., Yang, P., Ye, S., & Tan, X. (2016). Difference in Leukocyte Composition between Women before and after Menopausal Age, and Distinct Sexual Dimorphism. *PloS one*, 11(9), e0162953. <https://doi.org/10.1371/journal.pone.0162953>
- Chia, C. W., Egan, J. M., Ferrucci, L., (2018). Age-Related Changes in Glucose Metabolism, Hyperglycemia, and Cardiovascular Risk. *Circulation Research*, 123(7), 886–904. doi:10.1161/circresaha.118.312806

- Chung, H. Y., Cesari, M., Anton, S., Marzetti, E., Giovannini, S., Seo, A. Y., Carter, C., Yu, B. P., & Leeuwenburgh, C. (2009). Molecular inflammation: underpinnings of aging and age-related diseases. *Ageing research reviews*, 8(1), 18–30. <https://doi.org/10.1016/j.arr.2008.07.002>
- Cohen, S., Kamarck, T., & Mermelstein, R. (1983). A global measure of perceived stress. *Journal of Health and Social Behavior*, 24, 385–396. doi:10.2307/2136404.
- Cole, S. W., Hawkey, L. C., Arevalo, J. M., Sung, C. Y., Rose, R. M., & Cacioppo, J. T. (2007). Social regulation of gene expression in human leukocytes. *Genome biology*, 8(9), R189. <https://doi.org/10.1186/gb-2007-8-9-r189>.
- Cole, S. W., Korin, Y. D., Fahey, J. L., & Zack, J. A. (1998). Norepinephrine accelerates HIV replication via protein kinase A-dependent effects on cytokine production. *Journal of immunology* (Baltimore, Md. : 1950), 161(2), 610–616.
- Compton, W.C. (2005). *Introduction to Positive Psychology*. Belmont: Thomson Wadsworth.
- Corvera, S., Burkart, A., Kim, J. Y., Christianson, J., Wang, Z., & Scherer, P. E. (2006). *Keystone meeting summary: 'Adipogenesis, obesity, and inflammation' and 'Diabetes mellitus and the control of cellular energy metabolism,'* January 21-26, 2006, Vancouver, Canada. *Genes & development*, 20(16), 2193–2201. <https://doi.org/10.1101/gad.1447506>
- Dahlan, M. S. (2013). *Besar Sampel dan Cara Pengambilan Sampel dalam Penelitian Kedokteran dan Kesehatan*. Jakarta: Salemba Medika
- Danner, D. D., Snowdon, D. A., & Friesen, W. V. (2001). Positive emotions in early life and longevity: findings from the nun study. *Journal of personality and social psychology*, 80(5), 804–813.
- Davis, M., Eshelman, E.R., dan Matthew, M. (1995). *Panduan Relaksasi dan Reduksi Stres Edisi III*. Jakarta: Penerbit Buku Kedokteran EGC.
- Dayan, C. & Platts, J. (2020). 13.9.1 *Diabetes: Oxford Textbook of Medicine 6th ed*, p.2464-2540. Malaysia: Oxford University Press
- Departemen Kesehatan Republik Indonesia (Depkes RI). (2008a). *Keputusan Menteri Kesehatan Republik Indonesia Nomor 1022/MENKES/SK/XI/2008 tentang Pedoman Pengendalian Penyakit Paru Obstruktif Kronik*. Jakarta: Departemen Kesehatan Republik Indonesia
- Departemen Kesehatan Republik Indonesia (Depkes RI). (2008b). *Keputusan Menteri Kesehatan Republik Indonesia Nomor 1023/MENKES/SK/XI/2008 tentang Pedoman Pengendalian Penyakit Asma*. Jakarta: Departemen Kesehatan Republik Indonesia
- Dharmawati. (2011). *Psychological Well Being Wanita Lajang*. Skripsi (Tidak Diterbitkan). Yogyakarta: Fakultas Psikologi UGM.

- Diener, E. & Biswas-Diener, R. (2008). *Happiness, Unlocking the Mysteries of Psychological Wealth*. Blackwell Publishing, Oxford.
- Diener, E., & Chan, M. Y. (2011). Happy people live longer: Subjective well-being contributes to health and longevity. *Applied Psychology: Health and Well-Being*, 3(1), 1–43. <https://doi.org/10.1111/j.1758-0854.2010.01045.x>
- Donath, M. Y., & Shoelson, S. E. (2011). Type 2 diabetes as an inflammatory disease. *Nature reviews. Immunology*, 11(2), 98–107. <https://doi.org/10.1038/nri2925>
- Dowey, R., Iqbal, A., Heller, S. R., Sabroe, I., & Prince, L. R. (2021). A Bittersweet Response to Infection in Diabetes; Targeting Neutrophils to Modify Inflammation and Improve Host Immunity. *Frontiers in immunology*, 12, 678771. <https://doi.org/10.3389/fimmu.2021.678771>
- Eiser, J.R., Riazi, A., Eiser, C., Hammersley S., Tooke, E.J. (2001). Predictors of psychological well-being in types 1 and 2 diabetes. *Psychology & Health*, 16:1, 99-110, DOI: 10.1080/08870440108405492
- Endraswara, S. (2012). *Falsafah Hidup Jawa: Menggali Mutiara Kebijakan dari Intisari Filsafat Kejawen*. Yogyakarta: Cakrawala.
- Engger. (2015). *Adaptasi Ryff Psychological Well-Being Scale dalam Konteks Bahasa Indonesia*. Yogyakarta: Universitas Sanata Dharma
- Erdem, B., Kaya, Y. (2022). Prediction of diabetic retinopathy in patients with type 2 diabetes mellitus by using monocyte to high-density lipoprotein-cholesterol ratio. *Int J Diabetes Dev Ctries* 42 (2), 741–746. <https://doi.org/10.1007/s13410-021-01024-5>
- Fillit, H., Rockwood, K., Young, J. B. (2016). *Brocklehurst's Textbook of Geriatric Medicine and Gerontology Chapter 10: Adult Development and Aging*. New York: Elsevier
- Flynn, M. C., Pernes, G., Lee, M., Nagareddy, P. R., & Murphy, A. J. (2019). Monocytes, Macrophages, and Metabolic Disease in Atherosclerosis. *Frontiers in pharmacology*, 10, 666.
- Franceschi C. & Campisi J. (2014). Chronic inflammation (inflammaging) and its potential contribution to age-associated diseases. *J Gerontol A Biol Sci Med Sci*. 2014 Jun;69 Suppl 1:S4-9. doi: 10.1093/gerona/glu057. PMID: 24833586.
- Franceschi, C., Capri, M., Monti, D., Giunta, S., Olivieri, F., Sevini, F. (2007). Inflammaging and anti-inflammaging: a systemic perspective on aging and longevity emerged from studies in humans. *Mech. Ageing Dev*. 128, 92–105. doi: 10.1016/j.mad.2006.11.016
- Friedman, E. M., Hayney, M., Love, G. D., Singer, B. H., & Ryff, C. D. (2007). Plasma interleukin-6 and soluble IL-6 receptors are associated with psychological well-being in aging women. *Health psychology : official*



- journal of the Division of Health Psychology, American Psychological Association*, 26(3), 305–313. <https://doi.org/10.1037/0278-6133.26.3.305>
- Furman, D., Campisi, J., Verdin, E., Carrera-Bastos, P., Targ, S., Franceschi, C., Ferrucci, L., Gilroy, D. W., Fasano, A., Miller, G. W., Miller, A. H., Mantovani, A., Weyand, C. M., Barzilai, N., Goronzy, J. J., Rando, T. A., Effros, R. B., Lucia, A., Kleinstreuer, N., & Slavich, G. M. (2019). Chronic inflammation in the etiology of disease across the life span. *Nature medicine*, 25(12), 1822–1832.
- Furuncuoğlu, Y., Tulgar, S., Dogan, A. N., Cakar, S., Tulgar, Y. K., & Cakiroglu, B. (2016). How obesity affects the neutrophil/lymphocyte and platelet/lymphocyte ratio, systemic immune-inflammatory index and platelet indices: a retrospective study. *European review for medical and pharmacological sciences*, 20(7), 1300–1306.
- Gasparyan, A. Y., Ayvazyan, L., Mukanova, U., Yessirkepov, M., & Kitas, G. D. (2019). The Platelet-to-Lymphocyte Ratio as an Inflammatory Marker in Rheumatic Diseases. *Annals of laboratory medicine*, 39(4), 345–357. <https://doi.org/10.3343/alm.2019.39.4.345>
- Gerstorf, D., Smith, J., & Baltes, P. B. (2006). A systemic-wholistic approach to differential aging: longitudinal findings from the Berlin Aging Study. *Psychology and aging*, 21(4), 645–663. <https://doi.org/10.1037/0882-7974.21.4.645>
- Gonzalez, J. S., Penedo, F. J., Antoni, M. H., Durán, R. E., McPherson-Baker, S., Ironson, G., Isabel Fernandez, M., Klimas, N. G., Fletcher, M. A., & Schneiderman, N. (2004). Social support, positive states of mind, and HIV treatment adherence in men and women living with HIV/AIDS. *Health psychology : official journal of the Division of Health Psychology, American Psychological Association*, 23(4), 413–418. <https://doi.org/10.1037/0278-6133.23.4.413>
- Harris T. B., Ferrucci L., Tracy R. P., *et al.* (1999). Associations of elevated interleukin-6 and C-reactive protein levels with mortality in the elderly. *Am J Med*. 1999;106:506–512.
- Heber, S., & Volf, I. (2015). Effects of Physical (In)activity on Platelet Function. *BioMed research international*, 2015, 165078. <https://doi.org/10.1155/2015/165078>
- Heidenreich P. A., Trogon J. G., Khavjou O. A., *et al.* (2011). Forecasting the future of cardiovascular disease in the United States: a policy statement from the American Heart Association. *Circulation* 2011;123: 933–44.
- Herdiana, I & Triseptiana, N.A. (2013). Gambaran Kesehatan Mental Narapidana Suku Jawa di Tinjau Dari Konsep Nrimo. *Jurnal Psikologi Kepribadian dan Sosial*. Volume 2 No.1. April 2013.
- Herusatoto, B. (2001). *Simbolisme dalam budaya Jawa*. Yogyakarta: Hanindita Graha Widia.

- Heryadi, A. (2015). *Nrimo dan Penerimaan Diri : Upaya Menuju Kebahagiaan. Stipsi Carrer Centre (SCC) Dalam Rangka Hari Kesehatan Mental Sedunia*. Tanggal 10 Oktober 2015. <https://docplayer.info/43223779-Nrimo-dan-penerimaan-diri-upaya-menuju-kebahagiaan-1-adi-heryadi-2.html> diakses pada 1 Desember 2021
- Hidalgo, J.L., Bravo, B.N., Martinez, I.P., Pretel, F.A., Postigo, J.M.L. dan Rabadan, F.E. (2010). *Psychological Well-Being, Assessment Tools and Related Factors dalam Wells, I.E. (Eds.), Psychological Well Being*. New York: Nova Science Publisher
- Hidayat, A., (2009). *Metode Penelitian Keperawatan dan Teknik. Analisis Data*. Jakarta: Salemba Medika.
- Holt, R. I. G., DeVries, J. H., Hess-Fischl, A., Hirsch, I. B., Kirkman, M. S., Klupa, T., Ludwig, B., Nørgaard, K., Pettus, J., Renard, E., Skyler, J. S., Snoek, F. J., Weinstock, R. S., & Peters, A. L. (2021). The management of type 1 diabetes in adults. A consensus report by the American Diabetes Association (ADA) and the European Association for the Study of Diabetes (EASD). *Diabetologia*, 64(12), 2609–2652. <https://doi.org/10.1007/s00125-021-05568-3>
- Hurlock, Elizabeth B. (1976). *Personality Development*. New Delhi: Tata McGraw-Hill Publishing Company LTD
- Hurlock, Elizabeth B. (2007). *Psikologi Perkembangan Suatu Pendekatan Sepanjang Rentang Kehidupan*. Jakarta: Erlangga
- Indonesian Rheumatologist Association (IRA). (2014). *Rekomendasi IRA untuk Diagnosis dan Penatalaksanaan Osteoarthritis*. ISBN 978-979-3730-24-0
- International Diabetes Federation (IDF). (2019). *IDF Diabetes Atlas, 9th ed*. Brussels, Belgium: IDF. Available at: <https://www.diabetesatlas.org> diakses pada 15 Oktober 2021
- Jacobs, J. M., Hammerman-Rozenberg, R., Cohen, A., & Stessman, J. (2008). Reading daily predicts reduced mortality among men from a cohort of community-dwelling 70-year-olds. *The journals of gerontology. Series B, Psychological sciences and social sciences*, 63(2), S73–S80. <https://doi.org/10.1093/geronb/63.2.s73>.
- Jatman, D. (2011). *Psikologi Jawa*. Yogyakarta: Yayasan bentang budaya.
- Kahn, S. E., Prigeon, R. L., McCulloch, D. K., Boyko, E. J., Bergman, R. N., Schwartz, M. W., Neifing, J. L., Ward, W. K., Beard, J. C., & Palmer, J. P. (1993). Quantification of the relationship between insulin sensitivity and beta-cell function in human subjects. Evidence for a hyperbolic function. *Diabetes*, 42(11), 1663–1672. <https://doi.org/10.2337/diab.42.11.1663>
- Kalra, S., Jena, B. N., & Yeravdekar, R. (2018). Emotional and Psychological Needs of People with Diabetes. *Indian journal of endocrinology and metabolism*, 22(5), 696–704. [https://doi.org/10.4103/ijem.IJEM\\_579\\_17](https://doi.org/10.4103/ijem.IJEM_579_17)

- Kasapis, C., & Thompson, P. D. (2005). The effects of physical activity on serum C-reactive protein and inflammatory markers: a systematic review. *Journal of the American College of Cardiology*, 45(10), 1563–1569. <https://doi.org/10.1016/j.jacc.2004.12.077>
- Kassel, J. D., Stroud, L. R., & Paronis, C. A. (2003). Smoking, stress, and negative affect: correlation, causation, and context across stages of smoking. *Psychological bulletin*, 129(2), 270–304. <https://doi.org/10.1037/0033-2909.129.2.270>
- Kementrian Kesehatan Republik Indonesia (Kemenkes). (2013). *Riset Kesehatan Dasar (Riskesdas) 2013*. Jakarta: Badan Penelitian dan Pengembangan Kesehatan.
- Kennedy, B. K., Berger, S. L., Brunet, A., Campisi, J., & Cuervo, A. M., Epel, E. S., *et al.*, (2014). Geroscience: Linking Aging to Chronic Disease. *Cell*, 159(4), 709–713. doi:10.1016/j.cell.2014.10.039
- Khodabandehlou, T., Zhao, H., Vimeux, M., Aouane, F., & Le Devehat, C. (1998). Haemorheological consequences of hyperglycaemic spike in healthy volunteers and insulin-dependent diabetics. *Clinical hemorheology and microcirculation*, 19(2), 105–114.
- Kim, C. J., Kim, T. H., Ryu, W. S., & Ryoo, U. H. (2000). Influence of Menopause on High Density Lipoprotein-cholesterol and Lipids. *Journal of Korean Medical Science*, 15(4), 380. doi:10.3346/jkms.2000.15.4.380
- King, D. E., Mainous, A. G., 3rd, Buchanan, T. A., & Pearson, W. S. (2003). C-reactive Protein and Glycemic Control in Adults with Diabetes. *Diabetes care*, 26(5), 1535–1539. <https://doi.org/10.2337/diacare.26.5.1535>
- Kling, K. C., Hyde, J. S., Showers, C. J., & Buswell, B. N. (1999). Gender Differences in Self-esteem: A meta-analysis. *Psychological Bulletin*, 125, 470–500. <http://dx.doi.org/10.1037/0033-2909.125.4.470>
- Kritchevsky S. B, Cesari M., & Pahor M. (2005). Inflammatory Markers and Cardiovascular Health in Older Adults. *Cardiovasc Res*. 2005;66:265–275.
- Kucuk, B., Sirakaya, E., Duru, Z., & Duru, N. (2021). Monocyte / high-density lipoprotein ratio and neutrophil-to-lymphocyte ratio in age-related macular degeneration. *Annals of Medical Research*, 26(9), 1880–1884.
- Laksmiwati, H., & Prabowo, R. B. (2020). Hubungan antara rasa syukur dengan kebahagiaan mahasiswa jurusan Psikologi Universitas Negeri Surabaya. *Character: Jurnal Penelitian Psikologi*, 7(1), 1-7.
- Landry, A., Docherty, P., Ouellette, S., & Cartier, L. J. (2017). Causes and outcomes of markedly elevated C-reactive protein levels. *Canadian family physician Medecin de famille canadien*, 63(6), e316–e323.
- Lawrence, E. M., Rogers, R. G., & Wadsworth, T. (2015). Happiness and longevity in the United States. *Social science & medicine* (1982), 145, 115–119. <https://doi.org/10.1016/j.socscimed.2015.09.020>



- Le Blanc, J., & Lordkipanidzé, M. (2019). Platelet Function in Aging. *Frontiers in cardiovascular medicine*, 6, 109. <https://doi.org/10.3389/fcvm.2019.00109>
- Lee, J. S., Kim, N. Y., Na, S. H., Youn, Y. H., & Shin, C. S. (2018). Reference values of neutrophil-lymphocyte ratio, lymphocyte-monocyte ratio, platelet-lymphocyte ratio, and mean platelet volume in healthy adults in South Korea. *Medicine*, 97(26), e11138. <https://doi.org/10.1097/MD.00000000000011138>
- Levy, B. R., Slade, M. D., Kunkel, S. R., & Kasl, S. V. (2002). Longevity increased by positive self-perceptions of aging. *Journal of personality and social psychology*, 83(2), 261–270.
- Li, J., Chen, Q., Luo, X., Hong, J., Pan, K., Lin, X., Liu, X., Zhou, L., Wang, H., Xu, Y., Li, H., & Duan, C. (2015). Neutrophil-to-Lymphocyte Ratio Positively Correlates to Age in Healthy Population. *Journal of clinical laboratory analysis*, 29(6), 437–443. <https://doi.org/10.1002/jcla.21791>
- Li, S., Wang, J., Zhang, B., Li, X., & Liu, Y. (2019). Diabetes Mellitus and Cause-Specific Mortality: A Population-Based Study. *Diabetes & metabolism journal*, 43(3), 319–341. <https://doi.org/10.4093/dmj.2018.0060>
- Liang, M., Du, B., Zhang, H., Lu, X., Chen, C., Fan, C., Bi, X., 2020. NLR is associated with geriatric depression in Chinese women: a community-based cross-sectional study ineastern China. *Front. Psychol.* 10.
- Libby, P. (2012). Inflammation in atherosclerosis. *Arterioscler Thromb Vasc Biol.* 2012;32(9):2045-51.
- Lin, J., Ly, H., Hussain, A., Abraham, M., Pearl, S., Tzfati, Y., Parslow, T.G., & Blackburn, E.H. (2004). *A Universal Telomerase RNA Core Structure Includes Structured Motifs Required for Binding the Telomerase Reverse Transcriptase Protein*. Proceedings of the National Academy of Sciences of the United States of America, 101 41, 14713-8.
- Link, A., Ayadhi, T., Böhm, M., & Nickenig, G. (2006). Rapid immunomodulation by rosuvastatin in patients with acute coronary syndrome. *European heart journal*, 27(24), 2945–2955. <https://doi.org/10.1093/eurheartj/ehl277>
- Liu, H., Wang, G., Luan, G., & Liu, Q. (2008). Effects of sleep and sleep deprivation on blood cell count and hemostasis parameters in healthy humans. *Journal of Thrombosis and Thrombolysis*, 28(1), 46–49. doi:10.1007/s11239-008-0240-z
- Liu, Y. Z., Wang, Y. X., & Jiang, C. L. (2017). Inflammation: The Common Pathway of Stress-Related Diseases. *Frontiers in human neuroscience*, 11, 316. <https://doi.org/10.3389/fnhum.2017.00316>
- Lou, M., Luo, P., Tang, R., Peng, Y., Yu, S., Huang, W., & He, L. (2015). Relationship between neutrophil-lymphocyte ratio and insulin resistance in newly diagnosed type 2 diabetes mellitus patients. *BMC endocrine disorders*, 15, 9. <https://doi.org/10.1186/s12902-015-0002-9>

- Martiarini N. (2012). *Pengatasan Kelelahan Ego (Ego Depletion) Pada Individu Dalam Konteks Budaya Jawa*. Tesis (Tidak Diterbitkan). Yogyakarta: Fakultas Psikologi UGM
- Martínez-Botía, P., Velasco, A., Rolle, V., Jimenez-Trevino, L., De la Fuente-Tomas, L., Bernardo, A., Arias, T., Muñoz-Turrillas, M.D.C., García-Alvarez, L., González-Blanco, L., Rodríguez-Revuelta, J., García-Portilla, M.P., Courtet, P., Bobes, J., Gutiérrez, L., Saiz, P.A., 2020. Sex-dependent grades of haematopoietic modulation in patients with major depressive episodes are associated with suicide attempts. *Eur. Neuropsychopharmacol.* 40, 17–30
- Matsunaga, M., Isowa, T., Yamakawa, K., Tsuboi, H., Kawanishi, Y., Kaneko, H., Kasugai, K., Yoneda, M., & Ohira, H. (2011). Association between perceived happiness levels and peripheral circulating pro-inflammatory cytokine levels in middle-aged adults in Japan. *Neuroendocrinology letters*, 32(4), 458–463.
- Matud, M. P., López-Curbelo, M., & Fortes, D. (2019). Gender and Psychological Well-Being. *International journal of environmental research and public health*, 16(19), 3531. <https://doi.org/10.3390/ijerph16193531>
- McCabe, E.L., Larson, M.G., Lunetta, K.L., Newman, A.B., *et al.* (2016). Association of an index of healthy aging with incident cardiovascular disease and mortality in a community-based sample of older adults. *J Gerontol A Biol Sci Med Sci*. 2016; 71: 1695- 1701
- McHugh, D. & Gil, J. (2017). Senescence and aging: Causes, consequences, and therapeutic avenues. *The Journal of Cell Biology*, 217(1), 65–77. doi:10.1083/jcb.201708092.
- Meng W, Zhang C, Zhang Q, Song X, Lin H, Zhang D, *et al.* (2012) Association between Leukocyte and Metabolic Syndrome in Urban Han Chinese: A Longitudinal Cohort Study. *PLoS ONE* 7(11): e49875. <https://doi.org/10.1371/journal.pone.0049875>
- Meng, X., Chang, Q., Liu, Y., Chen, L., Wei, G., Yang, J., Zheng, P., He, F., Wang, W., & Ming, L. (2018). Determinant roles of gender and age on SII, PLR, NLR, LMR and MLR and their reference intervals defining in Henan, China: A posteriori and big-data-based. *Journal of clinical laboratory analysis*, 32(2), e22228. <https://doi.org/10.1002/jcla.22228>
- Milan-Mattos, J. C., Anibal, F. F., Perseguini, N. M., Minatel, V., Rehder-Santos, P., Castro, C. A., Vasilceac, F. A., Mattiello, S. M., Faccioli, L. H., & Catai, A. M. (2019). Effects of natural aging and gender on pro-inflammatory markers. *Brazilian journal of medical and biological research = Revista brasileira de pesquisas medicas e biologicas*, 52(9), e8392. <https://doi.org/10.1590/1414-431X20198392>
- Mohammed, M.A., Raad, N., Al-Niemi, M., & Al-kuraishy, H. (2021). The Potential Effect of Metformin Therapy on Neutrophil-Lymphocyte Ratio in Patients with Type II Diabetes Mellitus: A New Horizon. *International Journal of Pharmaceutical Research*. 13. 10.31838/ijpr/2021.13.01.608.

- Montecino-Rodriguez, E., Berent-Maoz, B., & Dorshkind, K. (2013). Causes, consequences, and reversal of immune system aging. *J. Clin. Invest.* 123, 958–965. doi: 10.1172/JCI64096
- Montecucco, F., Burger, F., Pelli, G., Poku, N. K., Berlier, C., Steffens, S., & Mach, F. (2009). Statins inhibit C-reactive protein-induced chemokine secretion, ICAM-1 upregulation and chemotaxis in adherent human monocytes. *Rheumatology (Oxford, England)*, 48(3), 233–242. <https://doi.org/10.1093/rheumatology/ken466>
- Moosazadeh, M., Maleki, I., Alizadeh-Navaei, R., Kheradmand, M., Hedayatzadeh-Omran, A., Shamshirian, A., & Barzegar, A. (2019). Normal values of neutrophil-to-lymphocyte ratio, lymphocyte-to-monocyte ratio and platelet-to-lymphocyte ratio among Iranian population: Results of Tabari cohort. *Caspian journal of internal medicine*, 10(3), 320–325. <https://doi.org/10.22088/cjim.10.3.320>
- Murphy, A. J., Chin-Dusting, J. P., Sviridov, D., dan Woollard, K. J. (2009). The anti-inflammatory effects of high density lipoproteins. *Curr. Med. Chem.* 16, 667–675.
- Muslimah, N. (2012). *Hubungan antara Penerimaan Diri dengan Kebahagiaan Anak Jalanan*. UIN Syarif Hidayatullah Jakarta: Fakultas Psikologi
- Nehring S. M., Goyal A., Bansal P., et al. (2021). *C Reactive Protein*. In: *StatPearls* [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK441843/> diakses pada 20 Oktober 2021
- Ng, R., Allore, H. G., & Levy, B. R. (2020). Self-Acceptance and Interdependence Promote Longevity: Evidence From a 20-year Prospective Cohort Study. *International journal of environmental research and public health*, 17(16), 5980. <https://doi.org/10.3390/ijerph17165980>
- Nieves, C.E.F., Cronstein, B.N., & Saxena, A. (2017). *Acute Phase Reactants and the Concept of Inflammation: Kelley & Firestein's Textbook of Rheumatology 10th ed.* Elsevier: New York
- Nishitani, N., & Sakakibara, H. (2007). Subjective Poor Sleep and White Blood Cell Count in Male Japanese Workers. *Industrial Health*, 45(2), 296–300. doi:10.2486/indhealth.45.296
- Nomura, S., Shouzu, A., Omoto, S., Nishikawa, M., & Fukuhara, S. (2000). Significance of chemokines and activated platelets in patients with diabetes. *Clinical and experimental immunology*, 121(3), 437–443.
- Onalan, E., Gozel, N., & Donder, E. (2019). Can hematological parameters in type 2 diabetes predict microvascular complication development?. *Pakistan journal of medical sciences*, 35(6), 1511–1515. <https://doi.org/10.12669/pjms.35.6.1150>
- Öncül, M.V., Dağar, S., Emektar, E., Çorbacıoğlu, Ş.K., Aytar, H., & Çevik, Y. (2019). Effects of Systemic Inflammatory Parameters on Mortality in Elderly

Patients Admitted to Emergency Department with Abdominal Pain. *Istanbul Medical Journal*

- Öztürk, Z. A., Kuyumcu, M. E., Yesil, Y., Savas, E., Yıldız, H., Kepekçi, Y., & Arıoğlu, S. (2013). Is there a link between neutrophil-lymphocyte ratio and microvascular complications in geriatric diabetic patients?. *Journal of endocrinological investigation*, 36(8), 593–599. <https://doi.org/10.3275/8894>
- Panagi, L., Poole, L., Hackett, R. A., & Steptoe, A. (2019). Happiness and Inflammatory Responses to Acute Stress in People With Type 2 Diabetes. *Annals of behavioral medicine : a publication of the Society of Behavioral Medicine*, 53(4), 309–320.
- Patel, S. R., Zhu, X., Storfer-Isser, A., Mehra, R., Jenny, N. S., Tracy, R., & Redline, S. (2009). Sleep duration and biomarkers of inflammation. *Sleep*, 32(2), 200–204. <https://doi.org/10.1093/sleep/32.2.200>
- Pesik, V. P. (2015). *Perbedaan Psychological Well-Being Lansia yang Tinggal di Panti Wredha dan di Rumah*. Fakultas Psikologi Universitas Kristen Satya Wacana
- Petchiappan, V., Sivakrishna, N., Manickam, S., & Menon, S. (2019). Glycaemic control and C- reactive protein levels in type 2 diabetes mellitus -how well they co-relate?: a prospective study. *International Journal of Research in Medical Sciences*, 7(5), 1818-1821.
- Peterson, J. C., Czajkowski, S., Charlson, M. E., Link, A. R., Wells, M. T., Isen, A. M., Mancuso, C. A., Allegrante, J. P., Boutin-Foster, C., Ogedegbe, G., & Jobe, J. B. (2013). Translating basic behavioral and social science research to clinical application: The EVOLVE mixed methods approach. *Journal of Consulting and Clinical Psychology*, 81(2), 217–230. <https://doi.org/10.1037/a0029909>
- Picard M., McEwen B.S., Epel E.S., & Sandi C. (2018). An energetic view of stress: Focus on mitochondria. *Front. Neuroendocr.* 2018;49:72–85. doi: 10.1016/j.yfrne.2018.01.001.
- Picard, M., & Turnbull, D. M. (2013). Linking the metabolic state and mitochondrial DNA in chronic disease, health, and aging. *Diabetes*, 62(3), 672–678. <https://doi.org/10.2337/db12-1203>
- Powers, A. C., Niswender, K. D., & Evans-Molina, C. (2018). *Harrison's Principles of Internal Medicine 20th ed: Chapter 396 Diabetes Mellitus: Diagnosis, Classification, and Pathophysiology*. New York :McGraw-Hill: p.2850-2859
- Powers, A. C., Stafford, J. M., Rickels, & Michael R. (2018). *Harrison's Principles of Internal Medicine 20th ed: Chapter 398 Diabetes Mellitus: Complications*. New York :McGraw-Hill: p.2850-2859
- Poznyak, A., Grechko, A. V., Poggio, P., Myasoedova, V. A., Alfieri, V., & Orekhov, A. N. (2020). The Diabetes Mellitus-Atherosclerosis Connection: The Role of Lipid and Glucose Metabolism and Chronic

- Inflammation. *International journal of molecular sciences*, 21(5), 1835. <https://doi.org/10.3390/ijms21051835>
- Prasetyo, N. H. (2014). "Narimo Ing Pandum" Intervention Program To Enhance Psychological Well-Being Of Family Caregiver Of Schizophrenic Patient. *Jurnal Intervensi Psikologi* Vol. 6 No. 2 Desember 2014.
- Prattichizzo, F., De Nigris, V., Spiga, R., Mancuso, E., La Sala, L., Antonicelli, R., Testa, R., Procopio, A. D., Olivieri, F., & Ceriello, A. (2018). Inflammageing and metaflammation: The yin and yang of type 2 diabetes. *Ageing research reviews*, 41, 1–17. <https://doi.org/10.1016/j.arr.2017.10.003>
- Priadana, F.I., Sarwinda, D. (2019). *Penerimaan Diri dengan Subjective Well-Being pada Lansia di Panti Werdha* dalam Prosiding Seminar Nasional & Call Paper Psikologi Sosial 2019 Psikologi Sosial di Era Revolusi Industri 4.0: Peluang & Tantangan. Fakultas Psikologi Universitas 17 Agustus 1945 Surabaya.
- Putri, L. S. (2020). Konsep Narima Ing Pandum Dalam Penerimaan Diri Lansia Jawa. *Academic Journal of Psychology and Counseling*, [S.l.], v. 1, n. 2, p. 77-94, Oct. 2020. doi: <https://doi.org/10.22515/ajpc.v1i2.3125> <http://ejournal.iainsurakarta.ac.id/index.php/ajpc/article/view/3125> diakses pada 08 Desember 2021.
- Puzianowska-Kuźnicka, M., Owczarz, M., Wieczorowska-Tobis, K., Nadrowski, P., Chudek, J., Slusarczyk, P., Skalska, A., Jonas, M., Franek, E., & Mossakowska, M. (2016). Interleukin-6 and C-reactive protein, successful aging, and mortality: the PolSenior study. *Immunity & ageing : I & A*, 13, 21. <https://doi.org/10.1186/s12979-016-0076-x>
- Qasim, A. N., Budharaju, V., Mehta, N. N., St Clair, C., Farouk, S., Braunstein, S., Schutta, M., Iqbal, N., Rader, D. J., & Reilly, M. P. (2011). Gender differences in the association of C-reactive protein with coronary artery calcium in type-2 diabetes. *Clinical endocrinology*, 74(1), 44–50. <https://doi.org/10.1111/j.1365-2265.2010.03879.x>
- Quist-Paulsen P. (2010). Statins and inflammation: an update. *Current opinion in cardiology*, 25(4), 399–405. <https://doi.org/10.1097/HCO.0b013e3283398e53>
- Rachmatullah, A. (2010). *Falsafah Hidup Jawa*. Yogyakarta: Logung Pustaka.
- Revelia, M. (2019). Uji Validitas Konstruk Pada Instrumen Ryff's Psychological Well-Being Scale Dengan Metode Confirmatory Factor Analysis (CFA). *JP3I (Jurnal Pengukuran Psikologi dan Pendidikan Indonesia)*, 7(1), 8-14. doi:<https://doi.org/10.15408/jp3i.v7i1.12103>
- Reza, N. G., Karim, A., Mehrdad, K., Reza, A. M., Ali, E., Abbas, R. (2014). Correlation of Positive Psychological States with Cortisol Awakening Response's Flexibility and Lower Levels of hs-CRP in Coronary Artery Patients. *Elixir Psychology*, 68 (2014), 22067-22071.



- Robins, R. W., Trzesniewski, K. H., Tracy, J. L., Gosling, S. D., & Potter, J. (2002). Global self-esteem across the life span. *Psychology and Aging*, 17, 423–434. <http://dx.doi.org/10.1037/0882-7974.17.3.423>
- Rodríguez-Rodríguez, E., López-Sobaler, A. M., Ortega, R. M., Delgado-Losada, M. L., López-Parra, A. M., & Aparicio, A. (2020). Association between Neutrophil-to-Lymphocyte Ratio with Abdominal Obesity and Healthy Eating Index in a Representative Older Spanish Population. *Nutrients*, 12(3), 855. <https://doi.org/10.3390/nu12030855>
- Ryder, E., Diez-Ewald, M., Mosquera, J., Fernández, E., Pedrañez, A., Vargas, R., Peña, C., & Fernández, N. (2014). Association of obesity with leukocyte count in obese individuals without metabolic syndrome. *Diabetes & metabolic syndrome*, 8(4), 197–204. <https://doi.org/10.1016/j.dsx.2014.09.002>
- Ryff, C. D. (1989). Happiness is everything, or is it? Explorations on the meaning of psychological well-being. *Journal of Personality and Social Psychology*, 57(6), 1069-1081
- Ryff, C. D. (2014). Psychological well-being revisited: advances in the science and practice of eudaimonia. *Psychotherapy and psychosomatics*, 83(1), 10–28. <https://doi.org/10.1159/000353263>
- Ryff, C., Almeida, D. M., Ayanian, J. S., Carr, D. S., Cleary, P. D., Coe, C., *et al.* (2010). *National Survey of Midlife Development in the United States (MIDUS II), 2004-2006: Documentation of psychosocial constructs and composite variables in MIDUS II Project I*. Ann Arbor, MI: Inter-university Consortium for Political and Social Research
- Ryff, C. D., & Keyes, C. L. M. (1995). The structure of psychological well-being revisited. *Journal of Personality and Social Psychology*, 69(4), 719–727.
- Ryff, C.D. & Singer, H.B. (2008). Know Thyself and Become What You Are: A Eudaimonic Approach to Psychological Well Being. *Journal of Happiness Studies*, 9(1), 13-39.
- Saisho Y. (2015). Metformin and Inflammation: Its Potential Beyond Glucose-lowering Effect. *Endocrine, metabolic & immune disorders drug targets*, 15(3), 196–205. <https://doi.org/10.2174/1871530315666150316124019>
- Salazar, J., Martínez, M. S., Chávez-Castillo, M., Núñez, V., *et al.* (2014). C-Reactive Protein: An In-Depth Look into Structure, Function, and Regulation. *International scholarly research notices*, 2014, 653045. <https://doi.org/10.1155/2014/653045>
- Salvioli, S., Monti, D., Lanzarini, C., Conte, M., Pirazzini, C., Bacalini, M. G., Garagnani, P., Giuliani, C., Fontanesi, E., Ostan, R. *et al.* (2013). Immune system, cell senescence, aging and longevity--inflamm-aging reappraised. *Current pharmaceutical design*, 19(9), 1675–1679.
- Sanjaya, Y. M. 2021. *Hubungan Self Acceptance dan Dukungan Sosial dengan Kebahagiaan pada Lansia*. Undergraduate thesis: UIN Raden Intan Lampung.

- Sasidharan A., Krishnamurthy A., Tagore S., Nagaraj T., Santosh H. N., Nigam H. (2016). C-reactive protein and glycemic control in adults with type 2 diabetes mellitus. *J Med Radiol Pathol Surg* 2016;2:10-13
- Seligman, Martin E. P. (2002). *Authentic happiness: using the new positive psychology to realize your potential for lasting fulfillment*. New York: Simon and Schuster.
- Selvaggio, S., Abate, A., Brugaletta, G., Musso, C., Di Guardo, M., Di Guardo, C., Vicari, E., Romano, M., Luca, S., & Signorelli, S. S. (2020). Platelet-to-lymphocyte ratio, neutrophil-to-lymphocyte ratio and monocyte-to-HDL cholesterol ratio as markers of peripheral artery disease in elderly patients. *International journal of molecular medicine*, 46(3), 1210–1216. <https://doi.org/10.3892/ijmm.2020.4644>
- Setiati, S., Harimurti, K., & Roosheroe, A. G., (2015). *Proses Menua dan Implikasi Kliniknya dalam Buku Ajar PAPDI Edisi VI*. Jakarta Pusat. InternaPublishing.
- Sin, N. L., Graham-Engeland, J. E., Ong, A. D., & Almeida, D. M. (2015). Affective reactivity to daily stressors is associated with elevated inflammation. *Health psychology : official journal of the Division of Health Psychology, American Psychological Association*, 34(12), 1154–1165.
- Singh, V. P., Bali, A., Singh, N., & Jaggi, A. S. (2014). Advanced glycation end products and diabetic complications. *The Korean journal of physiology & pharmacology : official journal of the Korean Physiological Society and the Korean Society of Pharmacology*, 18(1), 1–14. <https://doi.org/10.4196/kjpp.2014.18.1.1>
- Soelistijo, A. S., Hermina, S., Achmad, N., et al. (2015). *Konsensus Pengelolaan dan Pencegahan Diabetes Mellitus Tipe 2 di Indonesia 2015*. Jakarta: PB PERKENI
- Soelistijo, A.S., Suastika, K., Lindarto, D., Decroli, E., et al. (2021). *Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Dewasa di Indonesia 2021*. Jakarta: PB PERKENI
- Soesilo. (2003). *Piwulang Ungkapan Orang Jawa*. Jakarta: Yayasan Yusula.
- Sproston, N. R., & Ashworth, J. J. (2018). Role of C-Reactive Protein at Sites of Inflammation and Infection. *Frontiers in immunology*, 9, 754. <https://doi.org/10.3389/fimmu.2018.00754>
- Stanimirovic, J., Radovanovic, J., Banjac, K., Obradovic, M., Essack, M., Zafirovic, S., Gluvic, Z., Gojobori, T., & Isenovic, E. R. (2022). Role of C-Reactive Protein in Diabetic Inflammation. *Mediators of inflammation*, 2022, 3706508. <https://doi.org/10.1155/2022/3706508>
- Stellar, J. E., John-Henderson, N., Anderson, C. L., Gordon, A. M., McNeil, G. D., & Keltner, D. (2015). Positive affect and markers of inflammation: Discrete positive emotions predict lower levels of inflammatory cytokines. *Emotion*, 15(2), 129–133. <https://doi.org/10.1037/emo0000033>

- Steptoe, A., O'Donnell, K., Badrick, E., Kumari, M., & Marmot, M. (2008). Neuroendocrine and inflammatory factors associated with positive affect in healthy men and women: the Whitehall II study. *American journal of epidemiology*, 167(1), 96–102. <https://doi.org/10.1093/aje/kwm252>
- Steptoe, A., Wardle, J., & Marmot, M. (2005). *Positive affect and health-related neuroendocrine, cardiovascular, and inflammatory processes*. Proceedings of the National Academy of Sciences of the United States of America, 102(18), 6508–6512. <https://doi.org/10.1073/pnas.0409174102>
- Steves, C. & Pendleton, N. (2020). *Oxford Textbook of Medicine: Section 6.1 Ageing and Clinical Medicine* p.511-520. New York: Oxford University Press
- Stuart-Hamilton, I. 2000. *The Psychology of Aging 3rd edition: An Introduction*. London: Jessica Kingsley Publishers
- Su, M., Ouyang, X., Song, Y. (2022). Neutrophil to lymphocyte ratio, platelet to lymphocyte ratio, and monocyte to lymphocyte ratio in depression: A meta analysis. *Journal of Affective Disorders* 308 (2022), p.375-383. doi: 10.1016/j.jad
- Summers, C., Rankin, S. M., Condliffe, A. M., Singh, N., Peters, A. M., & Chilvers, E. R. (2010). Neutrophil kinetics in health and disease. *Trends in immunology*, 31(8), 318–324. <https://doi.org/10.1016/j.it.2010.05.006>
- Suratno, P. & Astiyanto, H. (2009). *Gusti Ora Sare : 90 Mutiara Nilai Kearifan Budaya Jawa*. Yogyakarta : Adiwacana.
- Szentagotai A., David D. (2013) *Self-Acceptance and Happiness*. In: Bernard M. (eds) *The Strength of Self-Acceptance*. Springer, New York, NY. [https://doi.org/10.1007/978-1-4614-6806-6\\_8](https://doi.org/10.1007/978-1-4614-6806-6_8)
- Tachkov, K., Mitov, K., Koleva, Y., Mitkova, Z., Kamusheva, M., Dimitrova, M., Petkova, V., Savova, A., Doneva, M., Tcarukciev, D. *et al.* (2020). Life expectancy and survival analysis of patients with diabetes compared to the non diabetic population in Bulgaria. *PloS one*, 15(5), e0232815. <https://doi.org/10.1371/journal.pone.0232815>
- Tang, Y., Fung, E., Xu, A., & Lan, H. Y. (2017). C-reactive protein and ageing. *Clinical and experimental pharmacology & physiology*, 44 Suppl 1, 9–14. <https://doi.org/10.1111/1440-1681.12758>
- Tentama, F. (2012). Mencari Sisi Penerimaan Diri Difabel. *Harian Jogja*, Ed-1367
- Totani, L., & Evangelista, V. (2010). Platelet-leukocyte interactions in cardiovascular disease and beyond. *Arteriosclerosis, thrombosis, and vascular biology*, 30(12), 2357–2361. <https://doi.org/10.1161/ATVBAHA.110.207480>
- Ulrich-Lai, Y. M., & Herman, J. P. (2009). Neural regulation of endocrine and autonomic stress responses. *Nature reviews. Neuroscience*, 10(6), 397–409. <https://doi.org/10.1038/nrn2647>

- United Nations, Department of Economic and Social Affairs, Population Division (2019). *World Population Ageing 2019: Highlights* (ST/ESA/SER.A/430).
- Uraningsari, F., & Djalali, M. A. (2016). Penerimaan Diri, Dukungan Sosial dan Kebahagiaan pada Lanjut Usia. *Persona: Jurnal Psikologi Indonesia*, 5(01). <https://doi.org/10.30996/persona.v5i01.738>
- Usta, M.B., Aral, A., Bozkurt, A., Sahin, B., Karabekiroglu, K., (2019). Examination of neutrophil, platelet, and monocyte-lymphocyte ratios in adolescents with bipolar disorder-manic episode and depression. *Dusunen Adam-J.PsychiatryNeurol.Sci.* 32, 328–333.
- Van Furth, R., & Beekhuizen, H. (1998). Monocytes. *Encyclopedia of Immunology*, 1750–1754. doi:10.1006/rwei.1999.0443
- Vieira-de-Abreu, A., Campbell, R. A., Weyrich, A. S., & Zimmerman, G. A. (2012). Platelets: versatile effector cells in hemostasis, inflammation, and the immune continuum. *Seminars in immunopathology*, 34(1), 5–30. <https://doi.org/10.1007/s00281-011-0286-4>
- Walzik, D., Joisten, N., Zacher, J., & Zimmer, P. (2021). Transferring clinically established immune inflammation markers into exercise physiology: focus on neutrophil-to-lymphocyte ratio, platelet-to-lymphocyte ratio and systemic immune-inflammation index. *European journal of applied physiology*, 121(7), 1803–1814. <https://doi.org/10.1007/s00421-021-04668-7>
- Wang, J., Zhang, F., Jiang, F., Hu, L., Chen, J., & Wang, Y. (2021). Distribution and reference interval establishment of neutrophil-to-lymphocyte ratio (NLR), lymphocyte-to-monocyte ratio (LMR), and platelet-to-lymphocyte ratio (PLR) in Chinese healthy adults. *Journal of clinical laboratory analysis*, 35(9), e23935. <https://doi.org/10.1002/jcla.23935>
- Wium-Andersen, M. K., Ørsted, D. D., Nielsen, S. F., & Nordestgaard, B. G. (2013). Elevated C-reactive protein levels, psychological distress, and depression in 73, 131 individuals. *JAMA psychiatry*, 70(2), 176–184. <https://doi.org/10.1001/2013.jamapsychiatry.102>
- World Health Organization (WHO). (2005). *WHO Global Report: Preventing Chronic Diseases - a Vital Investment*. Geneva: WHO Press
- World Health Organization (WHO). (2016). *Global Report on Diabetes*. Perancis: WHO
- World Health Organization (WHO). (2019). *Classification of diabetes mellitus*. Geneva: World Health Organization
- World Health Organization (WHO). (2020). *Diagnosis and management of type 2 diabetes (HEARTS-D)*. Geneva: World Health Organization; (WHO/UCN/NCD/20.1)
- Worlddata. (2018). *Average life expectancy by country*. <https://www.worlddata.info/life-expectancy.php> diakses 7 Oktober 2021

- Wright, A. K., Kontopantelis, E., Emsley, R., Buchan, I., Sattar, N., Rutter, M. K., & Ashcroft, D. M. (2016). Life Expectancy and Cause-Specific Mortality in Type 2 Diabetes: A Population-Based Cohort Study Quantifying Relationships in Ethnic Subgroups. *Diabetes Care*, 40(3), 338–345. doi:10.2337/dc16-1616
- Wu, H., Wu, H., & Wu, P. (2015). Development of a Psychological Well-being Scale for College Students in Taiwan. *Asian Journal of Management Sciences & Education*, 4, 1-8.
- Wu, L., Zou, S., Wang, C., Tan, X., & Yu, M. (2019). Neutrophil-to-lymphocyte and platelet-to-lymphocyte ratio in Chinese Han population from Chaoshan region in South China. *BMC cardiovascular disorders*, 19(1), 125. <https://doi.org/10.1186/s12872-019-1110-7>
- Wyczalkowska-Tomasik, A., Czarkowska-Paczek, B., Zielenkiewicz, M., & Paczek, L. (2016). Inflammatory Markers Change with Age, but do not Fall Beyond Reported Normal Ranges. *Archivum immunologiae et therapiae experimentalis*, 64(3), 249–254. <https://doi.org/10.1007/s00005-015-0357-7>
- Yang, J. J., Yu, D., Wen, W., Saito, E., Rahman, S., Shu, X. O., Chen, Y., Gupta, P. C., Gu, D., Tsugane, S. *et al.* (2019). Association of Diabetes With All-Cause and Cause-Specific Mortality in Asia: A Pooled Analysis of More Than 1 Million Participants. *JAMA network open*, 2(4), e192696.
- Yoo, J., Ryff, C. D. (2019). Longitudinal Profiles of Psychological Well-Being and Health: Findings From Japan. *Front. Psychol.* 10:2746. doi: 10.3389/fpsyg.2019.02746
- Yuan, T., Yang, T., Chen, H., Fu, D., Hu, Y., Wang, J., Yuan, Q., Yu, H., Xu, W., & Xie, X. (2019). New insights into oxidative stress and inflammation during diabetes mellitus-accelerated atherosclerosis. *Redox biology*, 20, 247–260. <https://doi.org/10.1016/j.redox.2018.09.025>
- Zahorec R. (2001). Ratio of neutrophil to lymphocyte counts--rapid and simple parameter of systemic inflammation and stress in critically ill. *Bratislavske lekarske listy*, 102(1), 5–14.
- Zarbock, A., Polanowska-Grabowska, R. K., & Ley, K. (2007). Platelet-neutrophil-interactions: linking hemostasis and inflammation. *Blood reviews*, 21(2), 99–111. <https://doi.org/10.1016/j.blre.2006.06.001>
- Zeigler-Hill, V., & Myers, E. M. (2012). A review of gender differences in self-esteem. In S. P. McGeown (Ed.), *Psychology of gender differences* (pp. 131–143). Hauppauge, NY: Nova.
- Zhang, K., Ding, S., Lyu, X., Tan, Q. and Wang, Z. (2021), Correlation between the platelet-to-lymphocyte ratio and diabetic foot ulcer in patients with type 2 diabetes mellitus. *J Clin Lab Anal*, 35: e23719. <https://doi.org/10.1002/jcla.23719>



Zhou, L., Ma, X., Wang, W., (2020). Inflammation and coronary heart disease risk in patients with depression in China mainland: a cross-sectional study. *Neuropsychiatr.Dis. Treat.* 16, 81–86.