DAFTAR PUSTAKA

Abani, O., Abbas, A., Abbas, F., Abbas, M., Abbasi, S., Abbass, H., dkk., 2021. Tocilizumab in patients admitted to hospital with COVID-19 (RECOVERY): a randomised, controlled, open-label, platform trial. *The Lancet*, **397**: 1637–1645.

Abobaker, A., Alzwi, A., dan Alraied, A.H.A., 2020. Overview of the possible role of vitamin C in management of COVID-19. *Pharmacological Reports*, **72**: 1517–1528.

Ali, N., 2020. Elevated level of C-reactive protein may be an early marker to predict risk for severity of COVID-19. *Journal of Medical Virology*, **92**: 2409–2411.

Alice, B., Julien, C., Claudine, G., Leïla, B., Pierre-François, L., dan Véronique, D., 2021. Autoimmune hemolytic anemia in COVID-19 patients, the « transmissible » direct Coombs test. *Journal of Hematology and Clinical Research*, **5**: 004–008.

Amin, R., Asplin, J., Jung, D., Bashir, M., Alshaikh, A., Ratakonda, S., dkk., 2018. Reduced active transcellular intestinal oxalate secretion contributes to the pathogenesis of obesity-associated hyperoxaluria. *Kidney International*, **93**: 1098–1107.

Bae, E.H., Kim, S.S., Ma, S.K., dan Kim, S.W., 2017. Vitamin C-induced Acute Kidney Injury. *Chonnam Medical Journal*, **53**: 231.

Baranovich, T., Wong, S.-S., Armstrong, J., Marjuki, H., Webby, R.J., Webster, R.G., dkk., 2013. T-705 (Favipiravir) Induces Lethal Mutagenesis in Influenza A H1N1 Viruses In Vitro. *Journal of Virology*, **87**: 3741–3751.

Bellomo, R., Kellum, J.A., dan Ronco, C., 2012. Acute kidney injury. *The Lancet*, **380**: 756–766.

Bonansea, T.C.P., Santos, L.P. dos, Zintl, K., dan Souza, A.C. dos S., 2021. Diabetes in the COVID-19 pandemic era. *Revista da Associação Médica Brasileira*, **67**: 157–162.

Bozonet, S., Carr, A., Pullar, J., dan Vissers, M., 2015. Enhanced Human Neutrophil Vitamin C Status, Chemotaxis and Oxidant Generation Following Dietary Supplementation with Vitamin C-Rich SunGold Kiwifruit. *Nutrients*, **7**: 2574–2588.

Burhan, E., Susanto, A.D., Nasution, S.A., Ginanjar, E., Pitoyo, C.W., Susilo, A., dkk., 2020. *Pedoman Tatalaksana COVID-19*. Edisi 3. Perhimpunan Dokter Paru Indonesia (PDPI), Perhimpunan Dokter Spesialis Kardiovaskular Indonesia (PERKI), Perhimpunan Dokter Spesialis Penyakit Dalam Indonesia (PAPDI), Perhimpunan Dokter Anestesiologi dan Terapi Intensif Indonesia (PERDATIN), Ikatan Dokter Anak Indonesia (IDAI), Jakarta.

Bytzer, P. dan Hallas, J., 2000. Drug-induced symptoms of functional dyspepsia and nausea. A symmetry analysis of one million prescriptions: DRUG-

INDUCED FUNCTIONAL DYSPEPSIA. *Alimentary Pharmacology & Therapeutics*, **14**: 1479–1484.

Cárcamo, J.M., Bórquez-Ojeda, O., dan Golde, D.W., 2002. Vitamin C inhibits granulocyte macrophage–colony-stimulating factor–induced signaling pathways. *Blood*, **99**: 3205–3212.

Carr, A. dan Maggini, S., 2017. Vitamin C and Immune Function. *Nutrients*, **9**: 1211.

Cerullo, G., Negro, M., Parimbelli, M., Pecoraro, M., Perna, S., Liguori, G., dkk., 2020. The Long History of Vitamin C: From Prevention of the Common Cold to Potential Aid in the Treatment of COVID-19. *Frontiers in Immunology*, **11**: 574029.

Channappanavar, R. dan Perlman, S., 2017. Pathogenic human coronavirus infections: causes and consequences of cytokine storm and immunopathology. *Seminars in Immunopathology*, **39**: 529–539.

Chaudhary, S.M.D., Wright, R.M., dan Patarroyo-Aponte, G., 2020. Role of vitamin C in critically ill patients with COVID-19: is it effective? *Acute and Critical Care*, **35**: 307–308.

Chen, N., Zhou, M., Dong, X., Qu, J., Gong, F., Han, Y., dkk., 2020. Epidemiological and clinical characteristics of 99 cases of 2019 novel coronavirus pneumonia in Wuhan, China: a descriptive study. *The Lancet*, **395**: 507–513.

Colliou, E., Mari, A., Delas, A., Delarche, A., dan Faguer, S., 2017. Oxalate nephropathy following vitamin C intake within intensive care unit. *Clinical Nephrology*, **88**: 354–358.

Cong, W., Poudel, A.N., Alhusein, N., Wang, H., Yao, G., dan Lambert, H., 2021. Antimicrobial Use in COVID-19 Patients in the First Phase of the SARS-CoV-2 Pandemic: A Scoping Review. *Antibiotics*, **10**: 745.

Coronavirus Disease 2019 (COVID-19) Treatment Guidelines, n.d. 354.

Daudon, M. dan Jungers, P., 2004. Drug-Induced Renal Calculi: Epidemiology, Prevention and Management. *Drugs*, **64**: 245–275.

Deb, S., Reeves, A.A., Hopefl, R., dan Bejusca, R., 2021. ADME and Pharmacokinetic Properties of Remdesivir: Its Drug Interaction Potential. *Pharmaceuticals*, **14**: 655.

Dhaliwal, G., Cornett, P.A., dan Tierney, L.M., 2004. Hemolytic anemia. *American Family Physician*, **69**: 2599–2606.

Diao, B., Wang, Chenhui, Wang, R., Feng, Z., Tan, Y., Wang, H., dkk., 2020. 'Human Kidney is a Target for Novel Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection', , *preprint*, . Infectious Diseases (except HIV/AIDS).

Diyono dan Kristanto, B., 2021. COMORBID FACTORS COVID-19 IN INDONESIA: SCOPYNG REVIEW. *KOSALA : Jurnal Ilmu Kesehatan*, **9**: .

Dorjee, K., Kim, H., Bonomo, E., dan Dolma, R., 2020. Prevalence and predictors of death and severe disease in patients hospitalized due to COVID-19: A

comprehensive systematic review and meta-analysis of 77 studies and 38,000 patients. *PLOS ONE*, **15**: e0243191.

Efe, O., Verma, A., dan Waikar, S.S., 2019. Urinary oxalate as a potential mediator of kidney disease in diabetes mellitus and obesity: *Current Opinion in Nephrology and Hypertension*, **28**: 316–320.

Elsawah, H.K., Elsokary, M.A., Abdallah, M.S., dan ElShafie, A.H., 2021. Efficacy and safety of remdesivir in hospitalized Covid-19 patients: Systematic review and meta-analysis including network meta-analysis. *Reviews in Medical Virology*, **31**: .

Fontana, F., Cazzato, S., Giovanella, S., Ballestri, M., Leonelli, M., Mori, G., dkk., 2020. Oxalate Nephropathy Caused by Excessive Vitamin C Administration in 2 Patients With COVID-19. *Kidney International Reports*, **5**: 1815–1822.

Fowler, A.A., Truwit, J.D., Hite, R.D., Morris, P.E., DeWilde, C., Priday, A., dkk., 2019. Effect of Vitamin C Infusion on Organ Failure and Biomarkers of Inflammation and Vascular Injury in Patients With Sepsis and Severe Acute Respiratory Failure: The CITRIS-ALI Randomized Clinical Trial. *JAMA*, **322**: 1261.

Gagliardi, M.C., Tieri, P., Ortona, E., dan Ruggieri, A., 2020. ACE2 expression and sex disparity in COVID-19. *Cell Death Discovery*, **6**: 37.

Gao, D., Xu, M., Wang, G., Lv, J., Ma, X., Guo, Y., dkk., 2021. The efficiency and safety of high-dose vitamin C in patients with COVID-19: a retrospective cohort study. *Aging*, **13**: 7020–7034.

Hajishengallis, G., 2010. Too old to fight? Aging and its toll on innate immunity. *Molecular Oral Microbiology*, **25**: 25–37.

Heller, A. dan Feldman, B., 2008. Electrochemical Glucose Sensors and Their Applications in Diabetes Management. *Chemical Reviews*, **108**: 2482–2505.

Hoang, B.X., Shaw, G., Fang, W., dan Han, B., 2020. Possible application of high-dose vitamin C in the prevention and therapy of coronavirus infection. *Journal of Global Antimicrobial Resistance*, **23**: 256–262.

Hoffer, L.J., Robitaille, L., Zakarian, R., Melnychuk, D., Kavan, P., Agulnik, J., dkk., 2015. High-Dose Intravenous Vitamin C Combined with Cytotoxic Chemotherapy in Patients with Advanced Cancer: A Phase I-II Clinical Trial. *PLOS ONE*, **10**: e0120228.

Huang, C., Wang, Y., Li, X., Ren, L., Zhao, J., Hu, Y., dkk., 2020. Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China. *The Lancet*, **395**: 497–506.

Huang, I., Lim, M.A., dan Pranata, R., 2020a. Diabetes mellitus is associated with increased mortality and severity of disease in COVID-19 pneumonia – A systematic review, meta-analysis, and meta-regression. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, **14**: 395–403.

Huang, S., Wang, J., Liu, F., Liu, J., Cao, G., Yang, C., dkk., 2020b. COVID-19 patients with hypertension have more severe disease: a multicenter retrospective observational study. *Hypertension Research*, **43**: 824–831.

JamaliMoghadamSiahkali, S., Zarezade, B., Koolaji, S., SeyedAlinaghi, S., Zendehdel, A., Tabarestani, M., dkk., 2021. Safety and effectiveness of high-dose vitamin C in patients with COVID-19: a randomized open-label clinical trial. *European Journal of Medical Research*, **26**: 20.

Jin, Y., Yang, H., Ji, W., Wu, W., Chen, S., Zhang, W., dkk., 2020. Virology, Epidemiology, Pathogenesis, and Control of COVID-19. *Viruses*, **12**: 372.

Khoshnam-Rad, N. dan Khalili, H., 2019. Safety of vitamin C in sepsis: a neglected topic. *Current Opinion in Critical Care*, **25**: 329–333.

Khwaja, A., 2012. KDIGO Clinical Practice Guidelines for Acute Kidney Injury. *Nephron*, **120**: c179–c184.

Kim, C., Kim, W., Jeon, J.H., Seok, H., Kim, S.B., Choi, H.K., dkk., 2021. COVID-19 infection with asymptomatic or mild disease severity in young patients: Clinical course and association between prevalence of pneumonia and viral load. *PLOS ONE*, **16**: e0250358.

Kim, J.-E., Cho, H.-S., Yang, H.-S., Jung, D.-J., Hong, S.-W., Hung, C.-F., dkk., 2012. Depletion of ascorbic acid impairs NK cell activity against ovarian cancer in a mouse model. *Immunobiology*, **217**: 873–881.

Kim, S.-Y. dan Moon, A.-R., 2012. Drug-Induced Nephrotoxicity and Its Biomarkers. *Biomolecules and Therapeutics*, **20**: 268–272.

Koekkoek, W.A.C. (Kristine) dan van Zanten, A.R.H., 2016. Antioxidant Vitamins and Trace Elements in Critical Illness. *Nutrition in Clinical Practice*, **31**: 457–474.

Krishnan, B., 2013. Gastrointestinal complications of diabetes mellitus. *World Journal of Diabetes*, **4**: 51.

Lacy, C. dan American Pharmacists Association, 2008. *Drug Information Handbook: A Comprehensive Resource for All Clinicians and Healthcare Professionals*. Lexi-Comp ; American Pharmacists Association, Hudson, Ohio; [Washington, D.C.

Lamarche, J., Nair, R., Peguero, A., dan Courville, C., 2011. Vitamin C-Induced Oxalate Nephropathy. *International Journal of Nephrology*, **2011**: 1–4.

Le, R.Q., Li, L., Yuan, W., Shord, S.S., Nie, L., Habtemariam, B.A., dkk., 2018. FDA Approval Summary: Tocilizumab for Treatment of Chimeric Antigen Receptor T Cell-Induced Severe or Life-Threatening Cytokine Release Syndrome. *The Oncologist*, **23**: 943–947.

Leegwater, E., Strik, A., Wilms, E.B., Bosma, L.B.E., Burger, D.M., Ottens, T.H., dkk., 2021. Drug-induced Liver Injury in a Patient With Coronavirus Disease 2019: Potential Interaction of Remdesivir With P-Glycoprotein Inhibitors. *Clinical Infectious Diseases*, **72**: 1256–1258.

Levine, M., 1999. Criteria and Recommendations for Vitamin C Intake. *JAMA*, **281**: 1415.

Li, C., He, Q., Qian, H., dan Liu, J., 2021. Overview of the pathogenesis of COVID-19 (Review). *Experimental and Therapeutic Medicine*, **22**: 1011.

Li, F., 2016. Structure, Function, and Evolution of Coronavirus Spike Proteins. *Annual Review of Virology*, **3**: 237–261.

Li, L., Huang, Tian, Wang, Yong-qing, Wang, Z., Liang, Y., Huang, Tao-bi, dkk., 2020a. COVID-19 patients' clinical characteristics, discharge rate, and fatality rate of meta-analysis. *Journal of Medical Virology*, **92**: 577–583.

Li, X., Geng, M., Peng, Y., Meng, L., dan Lu, S., 2020b. Molecular immune pathogenesis and diagnosis of COVID-19. *Journal of Pharmaceutical Analysis*, **10**: 102–108.

Linster, C.L. dan Van Schaftingen, E., 2007. Vitamin C: Biosynthesis, recycling and degradation in mammals. *FEBS Journal*, **274**: 1–22.

Liu, W., Tao, Z.-W., Wang, L., Yuan, M.-L., Liu, K., Zhou, L., dkk., 2020. Analysis of factors associated with disease outcomes in hospitalized patients with 2019 novel coronavirus disease. *Chinese Medical Journal*, **133**: 1032–1038.

Lwanga, S.K. dan Lemeshow, S., 1991. *Sample Size Determination in Health Studies: A Practical Manual*. World Health Organization, Geneva.

Lykkesfeldt, J. dan Tveden-Nyborg, P., 2019. The Pharmacokinetics of Vitamin C. *Nutrients*, **11**: 2412.

Malhotra, V., Magoon, S., Troyer, D.A., dan McCune, T.R., 2020. Collapsing Focal Segmental Glomerulosclerosis and Acute Oxalate Nephropathy in a Patient With COVID-19: A Double Whammy. *Journal of Investigative Medicine High Impact Case Reports*, **8**: 232470962096363.

Marik, P.E. dan Hooper, M.H., 2018. Doctor—your septic patients have scurvy! *Critical Care*, **22**: 23, s13054-018-1950-z.

Marik, P.E., Kory, P., Varon, J., Iglesias, J., dan Meduri, G.U., 2021. MATH+ protocol for the treatment of SARS-CoV-2 infection: the scientific rationale. *Expert Review of Anti-infective Therapy*, **19**: 129–135.

Medical Respiratory Intensive Care Unit Nursing, Fowler, A.A., Syed, A.A., Knowlson, S., Sculthorpe, R., Farthing, D., dkk., 2014. Phase I safety trial of intravenous ascorbic acid in patients with severe sepsis. *Journal of Translational Medicine*, **12**: 32.

Meyer, N. dan Christie, J., 2013. Genetic Heterogeneity and Risk of Acute Respiratory Distress Syndrome. *Seminars in Respiratory and Critical Care Medicine*, **34**: 459–474.

Mi, J., Zhong, W., Huang, C., Zhang, W., Tan, L., dan Ding, L., 2020. Gender, age and comorbidities as the main prognostic factors in patients with COVID-19 pneumonia. *American Journal of Translational Research*, **12**: 6537–6548.

Mohamadian, M., Chiti, H., Shoghli, A., Biglari, S., Parsamanesh, N., dan Esmaeilzadeh, A., 2021. COVID-19: Virology, biology and novel laboratory diagnosis. *The Journal of Gene Medicine*, **23**: .

Mousavi, S., Bereswill, S., dan Heimesaat, M.M., 2019. Immunomodulatory and antimicrobial effects of vitamin C. *European Journal of Microbiology and Immunology*, **9**: 73–79.

Mu, J., Xu, J., Zhang, L., Shu, T., Wu, D., Huang, M., dkk., 2020. SARS-CoV-2-encoded nucleocapsid protein acts as a viral suppressor of RNA interference in cells. *Science China Life Sciences*, **63**: 1413–1416.

Naqvi, A.A.T., Fatima, K., Mohammad, T., Fatima, U., Singh, I.K., Singh, A., dkk., 2020. Insights into SARS-CoV-2 genome, structure, evolution, pathogenesis and therapies: Structural genomics approach. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*, **1866**: 165878.

Negru, P.A., Radu, A.-F., Vesa, C.M., Behl, T., Abdel-Daim, M.M., Nechifor, A.C., dkk., 2022. Therapeutic dilemmas in addressing SARS-CoV-2 infection: Favipiravir versus Remdesivir. *Biomedicine & Pharmacotherapy*, **147**: 112700.

Nikolich-Zugich, J., Knox, K.S., Rios, C.T., Natt, B., Bhattacharya, D., dan Fain, M.J., 2020. SARS-CoV-2 and COVID-19 in older adults: what we may expect regarding pathogenesis, immune responses, and outcomes. *GeroScience*, **42**: 505–514.

National Institute for Health and Care excellence (NICE), 2022, COVID-19 rapid guideline: Managing COVID-19, diakses dari https://www.nice.org.uk/guidance/NG191, 20 April 2022.

Nualart, F.J., Rivas, C.I., Montecinos, V.P., Godoy, A.S., Guaiquil, V.H., Golde, D.W., dkk., 2003. Recycling of Vitamin C by a Bystander Effect. *Journal of Biological Chemistry*, **278**: 10128–10133.

Özdemir, Ö., 2020. Coronavirus Disease 2019 (COVID-19): Diagnosis and Management (narrative review). *Erciyes Medical Journal*, .

Ozgunay, S.E., Ceylan, İ., Ökmen, K., Sayan, H.E., EmiNoglu, Ş., Karasu, D., dkk., 2021. The use of vitamin C in the intensive care unit during the COVID-19 pandemic. *The European Research Journal*, **7**: 425–431.

Pacciarini, F., Ghezzi, S., Canducci, F., Sims, A., Sampaolo, M., Ferioli, E., dkk., 2008. Persistent Replication of Severe Acute Respiratory Syndrome Coronavirus in Human Tubular Kidney Cells Selects for Adaptive Mutations in the Membrane Protein. *Journal of Virology*, **82**: 5137–5144.

Padayatty, S. dan Levine, M., 2016. Vitamin C: the known and the unknown and Goldilocks. *Oral Diseases*, **22**: 463–493.

Padayatty, S.J., Katz, A., Wang, Y., Eck, P., Kwon, O., Lee, J.-H., dkk., 2003. Vitamin C as an Antioxidant: Evaluation of Its Role in Disease Prevention. *Journal of the American College of Nutrition*, **22**: 18–35.

Padayatty, S.J., Sun, H., Wang, Y., Riordan, H.D., Hewitt, S.M., Katz, A., dkk., 2004. Vitamin C Pharmacokinetics: Implications for Oral and Intravenous Use. *Annals of Internal Medicine*, **140**: 533.

Paudel, S.S., 2020. 'A meta-analysis of 2019 novel corona virus patient clinical characteristics and comorbidities', , *preprint*, . In Review.

PDPI, PERKI, PAPDI, PERDATIN, dan IDAI. 2021, *Revisi Protokol Tatalaksana COVID-19*. PDPI, PERKI, PAPDI, PERDATIN, IDAI, Jakarta.

Pemerintah Daerah Istimewa Yogyakarta, 2021, Data Terkait COVID-19 di D.I Yogyakarta, diakses dari https://corona.jogjaprov.go.id/data-statistik pada 16 Oktober 2021 pukul 15.50 WIB.

Pillay, T.S., 2020. Gene of the month: the 2019-nCoV/SARS-CoV-2 novel coronavirus spike protein. *Journal of Clinical Pathology*, **73**: 366–369.

Pinzon, R. dan Edi, D.W.R, 2018, *Metodologi Penelitian Kesehatan : Dengan Contoh Kasus Neurologi*, 49, Sumber Aksara, Yogyakarta.

Pollard, C.A., Morran, M.P., dan Nestor-Kalinoski, A.L., 2020. The COVID-19 pandemic: a global health crisis. *Physiological Genomics*, **52**: 549–557.

Prajapat, M., Sarma, P., Shekhar, N., Avti, P., Sinha, S., Kaur, H., dkk., 2020. Drug for corona virus: A systematic review. *Indian Journal of Pharmacology*, **52**: 56.

Qin, C., Zhou, L., Hu, Z., Zhang, S., Yang, S., Tao, Y., dkk., 2020. Dysregulation of Immune Response in Patients With Coronavirus 2019 (COVID-19) in Wuhan, China. *Clinical Infectious Diseases*, **71**: 762–768.

Rana, M.A., Hashmi, M.S., Qayyum, A., Pervaiz, R., Saleem, M., Munir, M.F., dkk., 2020. Comparison of Efficacy of Dexamethasone and Methylprednisolone in Improving PaO2/FiO2 Ratio Among COVID-19 Patients. *Cureus*, .

Satuan Tugas Penanganan COVID-19, 2022, Peta Sebaran COVID-19, diakses dari https://covid19.go.id/peta-sebaran-covid19, 15 April 2022.

Savini, I., Rossi, A., Pierro, C., Avigliano, L., dan Catani, M.V., 2008. SVCT1 and SVCT2: key proteins for vitamin C uptake. *Amino Acids*, **34**: 347–355.

Scholz, S.S., Borgstedt, R., Ebeling, N., Menzel, L.C., Jansen, G., dan Rehberg, S., 2021. Mortality in septic patients treated with vitamin C: a systematic meta-analysis. *Critical Care*, **25**: 17.

Schuetz, P., Castro, P., dan Shapiro, N.I., 2011. Diabetes and Sepsis: Preclinical Findings and Clinical Relevance. *Diabetes Care*, **34**: 771–778.

Shakoor, H., Feehan, J., Al Dhaheri, A.S., Ali, H.I., Platat, C., Ismail, L.C., dkk., 2021. Immune-boosting role of vitamins D, C, E, zinc, selenium and omega-3 fatty acids: Could they help against COVID-19? *Maturitas*, **143**: 1–9.

Shi, H., Han, X., Jiang, N., Cao, Y., Alwalid, O., Gu, J., dkk., 2020. Radiological findings from 81 patients with COVID-19 pneumonia in Wuhan, China: a descriptive study. *The Lancet Infectious Diseases*, **20**: 425–434.

Shrestha, D.B., Budhathoki, P., Khadka, S., Shah, P.B., Pokharel, N., dan Rashmi, P., 2020. Favipiravir versus other antiviral or standard of care for COVID-19 treatment: a rapid systematic review and meta-analysis. *Virology Journal*, **17**: 141.

Sommerstein, R., Kochen, M.M., Messerli, F.H., dan Gräni, C., 2020. Coronavirus Disease 2019 (COVID-19): Do Angiotensin-Converting Enzyme

Inhibitors/Angiotensin Receptor Blockers Have a Biphasic Effect? *Journal of the American Heart Association*, **9**: .

Soylu, K., Gedikli, Ö., Ekşi, A., Avcıoğlu, Y., Soylu, A.İ., Yüksel, S., dkk., 2016. Neutrophil-to-lymphocyte ratio for the assessment of hospital mortality in patients with acute pulmonary embolism. *Archives of Medical Science*, **1**: 95–100.

Stephenson, C.M., Levin, R.D., Spector, T., dan Lis, C.G., 2013. Phase I clinical trial to evaluate the safety, tolerability, and pharmacokinetics of high-dose intravenous ascorbic acid in patients with advanced cancer. *Cancer Chemotherapy and Pharmacology*, **72**: 139–146.

Suna, K., Melahat, U.Ş., Murat, Y., Figen, Ö.E., dan Ayperi, Ö., 2021. Effect of high-dose intravenous vitamin C on prognosis in patients with SARS-CoV-2 pneumonia. *Medicina Clínica*, S0025775321002529.

Susilo, A., Rumende, C.M., Pitoyo, C.W., Santoso, W.D., Yulianti, M., Herikurniawan, H., dkk., 2020. Coronavirus Disease 2019: Tinjauan Literatur Terkini. *Jurnal Penyakit Dalam Indonesia*, **7**: 45.

Tan, W. dan Aboulhosn, J., 2020. The cardiovascular burden of coronavirus disease 2019 (COVID-19) with a focus on congenital heart disease. *International Journal of Cardiology*, **309**: 70–77.

Tang, Y., Liu, J., Zhang, D., Xu, Z., Ji, J., dan Wen, C., 2020. Cytokine Storm in COVID-19: The Current Evidence and Treatment Strategies. *Frontiers in Immunology*, **11**: 1708.

Tchesnokov, E.P., Gordon, C.J., Woolner, E., Kocinkova, D., Perry, J.K., Feng, J.Y., dkk., 2020. Template-dependent inhibition of coronavirus RNA-dependent RNA polymerase by remdesivir reveals a second mechanism of action. *Journal of Biological Chemistry*, **295**: 16156–16165.

Teafatiller, T., Agrawal, S., De Robles, G., Rahmatpanah, F., Subramanian, V.S., dan Agrawal, A., 2021. Vitamin C Enhances Antiviral Functions of Lung Epithelial Cells. *Biomolecules*, **11**: 1148.

The WHO Rapid Evidence Appraisal for COVID-19 Therapies (REACT) Working Group, Sterne, J.A.C., Murthy, S., Diaz, J.V., Slutsky, A.S., Villar, J., dkk., 2020. Association Between Administration of Systemic Corticosteroids and Mortality Among Critically Ill Patients With COVID-19: A Meta-analysis. *JAMA*, **324**: 1330.

Thompson, B.T., Chambers, R.C., dan Liu, K.D., 2017. Acute Respiratory Distress Syndrome. *New England Journal of Medicine*, **377**: 562–572.

Traber, M.G. dan Stevens, J.F., 2011. Vitamins C and E: Beneficial effects from a mechanistic perspective. *Free Radical Biology and Medicine*, **51**: 1000–1013.

Van Gorkom, G., Klein Wolterink, R., Van Elssen, C., Wieten, L., Germeraad, W., dan Bos, G., 2018. Influence of Vitamin C on Lymphocytes: An Overview. *Antioxidants*, **7**: 41.

Voto, C., Berkner, P., dan Brenner, C., 2020. Overview of the Pathogenesis and Treatment of SARS-CoV-2 for Clinicians: A Comprehensive Literature Review. *Cureus*, .

Waldvogel Abramowski, S., 2021. Hemolysis: Mechanism and clinico-biological consequences. *Transfusion Clinique et Biologique*, **28**: 364–366.

Wang, M.-Y., Zhao, R., Gao, L.-J., Gao, X.-F., Wang, D.-P., dan Cao, J.-M., 2020. SARS-CoV-2: Structure, Biology, and Structure-Based Therapeutics Development. *Frontiers in Cellular and Infection Microbiology*, **10**: 587269.

WHO, 2020, WHO Director-General's opening remarks at the media briefing on COVID19 – 11 March 2020, diakses dari https://www.who.int/director-general/speeches/detail/who-director-general-s-opening-remarks-at-the-media-briefing-on-covid-19---11-march-2020 pada 29 Agustus 2021 pukul 13.30 WIB.

WHO, 2022, WHO Coronavirus (COVID-19) Dashboard, diakses dari https://covid19.who.int/ pada 29 Mai 2022 pukul 19.10 WIB.

Wu, Y.-C., Chen, C.-S., dan Chan, Y.-J., 2020. The outbreak of COVID-19: An overview. *Journal of the Chinese Medical Association*, **83**: 217–220.

Xia, G., Fan, D., He, Y., Zhu, Y., dan Zheng, Q., 2021. High-dose intravenous vitamin C attenuates hyperinflammation in severe coronavirus disease 2019. *Nutrition*, **91–92**: 111405.

Xiong, S., Liu, L., Lin, F., Shi, J., Han, L., Liu, H., dkk., 2020. Clinical characteristics of 116 hospitalized patients with COVID-19 in Wuhan, China: a single-centered, retrospective, observational study. *BMC Infectious Diseases*, **20**: 787.

Xu, H., Ai, L., Qiu, C., Tan, X., Jiao, B., Luo, A., dkk., 2020. COVID-19: a risk factor for fatal outcomes in patients with comorbid cardiovascular disease. *Aging*, **12**: 18866–18877.

Yanase, F., Fujii, T., Naorungroj, T., Belletti, A., Luethi, N., Carr, A.C., dkk., 2020. Harm of IV High-Dose Vitamin C Therapy in Adult Patients: A Scoping Review. *Critical Care Medicine*.

Yaqinuddin, A., Ambia, A.R., dan Alaujan, R.A., 2021. Immunomodulatory Effects of Vitamin D and Vitamin C to Improve Immunity in COVID-19 Patients. *Journal of Health and Allied Sciences NU*, s-0041-1730084.

Yoshikawa, T., Hill, T., Li, K., Peters, C.J., dan Tseng, C.-T.K., 2009. Severe Acute Respiratory Syndrome (SARS) Coronavirus-Induced Lung Epithelial Cytokines Exacerbate SARS Pathogenesis by Modulating Intrinsic Functions of Monocyte-Derived Macrophages and Dendritic Cells. *Journal of Virology*, **83**: 3039–3048.

Zarbock, A., Gomez, H., dan Kellum, J.A., 2014. Sepsis-induced acute kidney injury revisited: pathophysiology, prevention and future therapies. *Current Opinion in Critical Care*, **20**: 588–595.

Zhang, J., Rao, X., Li, Y., Zhu, Y., Liu, F., Guo, G., dkk., 2021. Pilot trial of high-dose vitamin C in critically ill COVID-19 patients. *Annals of Intensive Care*, **11**: 5.

Zhang, Z.-L., Hou, Y.-L., Li, D.-T., dan Li, F.-Z., 2020. Laboratory findings of COVID-19: a systematic review and meta-analysis. *Scandinavian Journal of Clinical and Laboratory Investigation*, **80**: 441–447.

Zhao, B., Ling, Y., Li, J., Peng, Y., Huang, J., Wang, Y., dkk., 2021a. Beneficial aspects of high dose intravenous vitamin C on patients with COVID-19 pneumonia in severe condition: a retrospective case series study. *Annals of Palliative Medicine*, **10**: 1599–1609.

Zhao, B., Liu, M., Liu, P., Peng, Y., Huang, J., Li, M., dkk., 2021b. High Dose Intravenous Vitamin C for Preventing The Disease Aggravation of Moderate COVID-19 Pneumonia. A Retrospective Propensity Matched Before-After Study. *Frontiers in Pharmacology*, **12**: 638556.

Zhao, W., Zha, X., Wang, N., Li, D., Li, A., dan Yu, S., 2021. Clinical Characteristics and Durations of Hospitalized Patients with COVID-19 in Beijing: A Retrospective Cohort Study. *Cardiovascular Innovations and Applications*, **6**: 33–44.