DAFTAR PUSTAKA

Abdi, H., Azizi, F., & Amouzegar, A. (2018). Insulin monotherapy versus insulin combined with other glucose-lowering agents in type 2 diabetes: A narrative review. *International Journal of Endocrinology and Metabolism*, *16*(2). https://doi.org/10.5812/ijem.65600

Abohamr, S. I., Abazid, R. M., Aldossari, M. A., Amer, H. A., Badhawi, O. S., Aljunaidi, O. M., Alzarzour, S. H., Saadeddin, H. M., Bhat, F. A., & Elsheikh, E. (2020). Clinical characteristics and in-hospital mortality of covid-19 adult patients in saudi arabia. *Saudi Medical Journal*, *41*(11), 1217–1226. https://doi.org/10.15537/smj.2020.11.25495

Adhikari, S. P., Meng, S., Wu, Y. J., Mao, Y. P., Ye, R. X., Wang, Q. Z., Sun, C., Sylvia, S., Rozelle, S., Raat, H., & Zhou, H. (2020). Epidemiology, causes, clinical manifestation and diagnosis, prevention and control of coronavirus disease (COVID-19) during the early outbreak period: A scoping review. *Infectious Diseases of Poverty*, *9*(1), 1–12. https://doi.org/10.1186/s40249-020-00646-x

Afzal, A. (2020). Molecular diagnostic technologies for COVID-19: Limitations and challenges. *Journal of Advanced Research*, *26*(xxxx), 149–159. https://doi.org/10.1016/j.jare.2020.08.002

Agristika, A., & Carolia, N. (2017). Agonis Reseptor GLP 1 untuk Terapi Diabetes MeMüller, T. D., Finan, B., Bloom, S. R., D'Alessio, D., Drucker, D. J., Flatt, P. R., … Tschöp, M. H. (2019). Glucagon-like peptide 1 (GLP-1). Molecular Metabolism, 30(September), 72–130. https://doi.org/10.101. *J Agromed Unila*, *4*, 338–341.

Aisyiyah, P., Heriyani, F., Nurrasyidah, I., Noor, M. S., & Wasilah, S. (2022). Hubungan Komorbid Dengan Kejadian COVID-19. *Homeostasis*, *5*(1), 87–94.

Aleem, A. W., Syed, U. A. M., Nicholson, T., Getz, C. L., Namdari, S., Beredjiklian, P. K., & Abboud, J. A. (2017). Blood glucose levels in diabetic patients following corticosteroid injections into the subacromial space of the shoulder. *Archives of Bone and Joint Surgery*, *5*(5), 315–321. https://doi.org/10.22038/abjs.2017.21412.1549

Aljuhani, O., Korayem, G. B., Altebainawi, A. F., AlMohammady, D., Alfahed, A., Altebainawi, E. F., Aldhaeefi, M., Badreldin, H. A., Vishwakarma, R., Almutairi, F. E., Alenazi, A. A., Alsulaiman, T., Alqahtani, R. A., Al Dhahri, F., Aldardeer, N., Alenazi, A. O., Al Harbi, S., Kensara, R., Alalawi, M., & Al Sulaiman, K. (2024). Dexamethasone versus methylprednisolone for multiple organ dysfunction in COVID-19 critically ill patients: a multicenter propensity score matching study. *BMC Infectious Diseases*, *24*(1).

https://doi.org/10.1186/s12879-024-09056-y

Alshammari, S., AlMasoudi, A. S., AlBuhayri, A. H., AlAtwi, H. M., AlHwiti, S. S., Alaidi, H. M., Alshehri, A. M., Alanazi, N. A., Aljabri, A., & Al-Gayyar, M. M. (2023). Effect of COVID-19 on Glycemic Control, Insulin Resistance, and pH in Elderly Patients With Type 2 Diabetes. *Cureus*, *15*(2). https://doi.org/10.7759/cureus.35390

Andreani, F. V., Belladonna, M., & Hendrianingtyas, M. (2018). Hubungan antara gula darah sewaktu dan puasa dengan perubahan skor Nihss pada stroke iskemik akut. *Jurnal Kedokteran Diponegoro*, *7*(1), 185–198.

Angus, D. C., Derde, L., Al-Beidh, F., Annane, D., Arabi, Y., Beane, A., Van Bentum-Puijk, W., Berry, L., Bhimani, Z., Bonten, M., Bradbury, C., Brunkhorst, F., Buxton, M., Buzgau, A., Cheng, A. C., De Jong, M., Detry, M., Estcourt, L., Fitzgerald, M., … Gordon, A. C. (2020). Effect of Hydrocortisone on Mortality and Organ Support in Patients with Severe COVID-19: The REMAP-CAP COVID-19 Corticosteroid Domain Randomized Clinical Trial. *JAMA - Journal of the American Medical Association*, *324*(13), 1317–1329. https://doi.org/10.1001/jama.2020.17022

Artika, I. M., Wiyatno, A., & Ma'roef, C. N. (2020). Pathogenic viruses: Molecular detection and characterization. *Infection, Genetics and Evolution*, *81*(January). https://doi.org/10.1016/j.meegid.2020.104215

Asysyifa, N., Dewi, S., Sari, P., & Martalena, D. (2023). *Association between blood glucose levels at admission and severity of COVID-19 patients*. *55*(4), 298–305.

Bello-Chavolla, O. Y., Bahena-López, J. P., Antonio-Villa, N. E., Vargas-Vázquez, A., González-Díaz, A., Márquez-Salinas, A., Fermín-Martínez, C. A., Naveja, J. J., & Aguilar-Salinas, C. A. (2020). Predicting Mortality Due to SARS-CoV-2: A Mechanistic Score Relating Obesity and Diabetes to COVID-19 Outcomes in Mexico. *Journal of Clinical Endocrinology and Metabolism*, *105*(8), 2752–2761. https://doi.org/10.1210/clinem/dgaa346

Besteiro, B., Coutinho, D., Gomes, F., Almeida, M., & Almeida, J. (2021). Review of the Prognosis Factors of COVID-19 Infection. *Advances in Infectious Diseases*, *11*(02), 196–215. https://doi.org/10.4236/aid.2021.112019

Blonna, D., Bonasia, D. E., Mattei, L., Bellato, E., Greco, V., & Rossi, R. (2018). Efficacy and safety of subacromial corticosteroid injection in type 2 diabetic patients. *Pain Research and Treatment*, *2018*. https://doi.org/10.1155/2018/9279343

Cardoza-Jiménez, K.J., Carranza-Zavala, B., Manrique-Franco, K., Espinoza-Morales, F. and Mejia, C. R. (2021). Daily glucose variation influenced by the

use of corticosteroids in COVID-19 patients treated in Lima-Peru. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, *15*(4). https://doi.org/10.1016/j.dsx.2021.102188

Chen, G. H., Lin, J. L., & Huang, Y. K. (2002). Combined methylprednisolone and dexamethasone therapy for paraquat poisoning. *Critical Care Medicine*, *30*(11), 2584–2587. https://doi.org/10.1097/00003246-200211000-00030

Choudhry, M. N., Malik, R. A., & Charalambous, C. P. (2016). Blood glucose levels following intra-articular steroid injections in patients with diabetes: A systematic review. *JBJS Reviews*, *4*(3), 1–6. https://doi.org/10.2106/JBJS.RVW.O.00029

Damo, N. Y., Porotu'o, J. P., Rambert, G. I., & Rares, F. E. S. (2021). Diagnostik Coronavirus Disease 2019 (COVID-19) dengan Pemeriksaan Laboratorium Mikrobiologi Klinik. *Jurnal E-Biomedik*, *9*(1), 77–86. https://doi.org/10.35790/ebm.v9i1.31899

Dastenae, Z. H., Bahadori, A., Dehghani, M., Asadi-Samani, M., Izadi, I., & Shahraki, H. R. (2022). Comparison of the effect of intravenous dexamethasone and methylprednisolone on the treatment of hospitalized patients with COVID-19: a randomized clinical trial. *International Journal of Infectious Diseases*, *122*, 659–664. https://doi.org/10.1016/j.ijid.2022.07.019

Elvidge, S. (2016). Insulin and metformin in combination cut mortality in type 2 diabetes. *Pharmaceutical Journal*, *May*, 2–4. https://doi.org/10.1211/pj.2016.20201133

Erener, S. (2020). DIABETES , INFECTION RISK AND COVID-19. *Molecular Metabolism*, 101044. https://doi.org/10.1016/j.molmet.2020.101044

Fatima, S. A., Asif, M., Khan, K. A., Siddique, N., & Khan, A. Z. (2020). Comparison of efficacy of dexamethasone and methylprednisolone in moderate to severe covid 19 disease. *Annals of Medicine and Surgery*, *60*(November), 413–416. https://doi.org/10.1016/j.amsu.2020.11.027

Fernandez, C., Rysä, J., Almgren, P., Nilsson, J., Engström, G., Orho-Melander, M., Ruskoaho, H., & Melander, O. (2018). Plasma levels of the proprotein convertase furin and incidence of diabetes and mortality. *Journal of Internal Medicine*, *284*(4), 377–387. https://doi.org/10.1111/joim.12783

Galicia-Garcia, U., Benito-Vicente, A., Jebari, S., Larrea-Sebal, A., Siddiqi, H., Uribe, K. B., Ostolaza, H., & Martín, C. (2020). Pathophysiology of type 2 diabetes mellitus. *International Journal of Molecular Sciences*, *21*(17), 1–34. https://doi.org/10.3390/ijms21176275

Gendokesumo, M. E., Putra, G. S., Anwari, F., Widianat, W., & Elysia, M. (2022).

Studi In-silico menghambat enzim α-glukosidase pada fitokimia yang terkandung pada Momordica charantia Linn. (Pare) sebagai terapi diabetes. *Akta Kimia Indonesia*, *7*(1), 77. https://doi.org/10.12962/j25493736.v7i1.12588

Gunardi, W. D. (2021). Pemeriksaan Diagnosis Laboratorium COVID-19: Keterbatasan dan Tantangannya Saat Ini. *Jurnal Kedokteran Meditek*, *27*(2), 173–182. https://doi.org/10.36452/jkdoktmeditek.v27i2.2036

Habib, G. S., & Abu-Ahmad, R. (2007). Lack of effect of corticosteroid injection at the shoulder joint on blood glucose levels in diabetic patients. *Clinical Rheumatology*, *26*(4), 566–568. https://doi.org/10.1007/s10067-006-0353-8

Hamid, S., Mir, M. Y., & Rohela, G. K. (2020). Novel coronavirus disease (COVID-19): a pandemic (epidemiology, pathogenesis and potential therapeutics). *New Microbes and New Infections*, *35*, 100679. https://doi.org/10.1016/j.nmni.2020.100679

Hardianto, D. (2021a). Insulin: Production, Types, Analysis, and Routes of Delivery. *Jurnal Bioteknologi & Biosains Indonesia*, *8*(2), 321–331. http://ejurnal.bppt.go.id/index.php/JBBI

Hardianto, D. (2021b). Telaah Komprehensif Diabetes Melitus: Klasifikasi, Gejala, Diagnosis, Pencegahan, Dan Pengobatan. *Jurnal Bioteknologi & Biosains Indonesia (JBBI)*, *7*(2), 304–317. https://doi.org/10.29122/jbbi.v7i2.4209

Hasanah, N., Ismaya, N. A., Tulandi, S. M., Permatasari, P. I., Wafa, W., & Hakim, A. N. (2023). COVID-19 and Diabetes Mellitus at RSU South Tangerang-Indonesia: Clinical Profile and Treatment Strategies. *Jurnal Farmasi Galenika (Galenika Journal of Pharmacy) (e-Journal)*, *9*(2), 119–131. https://doi.org/10.22487/j24428744.2023.v9.i2.15989

Hertanto, D. M., Sutanto, H., Wiratama, B. S., & Wungu, C. D. K. (2021). Modulating the host immune response to fight against COVID-19: Where are we in 2021? *Virulence*, *12*(1), 1732–1736. https://doi.org/10.1080/21505594.2021.1943275

Hong, S., Wang, H., Li, S., Liu, J., & Qiao, L. (2023). A systematic review and meta-analysis of glucocorticoids treatment in severe COVID-19: methylprednisolone versus dexamethasone. *BMC Infectious Diseases*, *23*(1), 1–17. https://doi.org/10.1186/s12879-023-08280-2

Hong, S., Wang, H., Zhang, Z., & Qiao, L. (2022). The roles of methylprednisolone treatment in patients with COVID-19: A systematic review and meta-analysis. *Steroids*, *January*. https://doi.org/https://doi.org/10.1016/j.steroids.2022.109022 R

Horby, P., et al. (2020). Effect of dexamethasone in hospitalized patients with COVID-19: preliminary report. *MedRxiv*, *22*, 2020. https://www.medrxiv.org/content/10.1101/2020.06.22.20137273.abstract

Huang, I., Lim, M. A., & Pranata, R. (2020). Diabetes mellitus is associated with increased mortality and severity of disease in COVID-19 pneumonia – A systematic review, meta-analysis, and meta-regression: Diabetes and COVID-19. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews*, *14*(4), 395–403. https://doi.org/10.1016/j.dsx.2020.04.018

Johns, M., George, S., Taburyanskaya, M., & Poon, Y. K. (2022). A Review of the Evidence for Corticosteroids in COVID-19. *Journal of Pharmacy Practice*, *35*(4), 626–637. https://doi.org/10.1177/0897190021998502

Jour, Rhou, Y. J. J., Hor, A., Wang, M., Wu, Y.-F., Chipps, D. R., & Cheung, N. W. (2022). Dexamethasone-Induced Hyperglycemia in Nondiabetic Patients with COVID-19. *Diabetes*, *71*. https://doi.org/https://doi.org/10.2337/db22-266-OR

Karyono, D. R., & Wicaksana, A. L. (2020). Current prevalence, characteristics, and comorbidities of patients with COVID-19 in Indonesia. *Journal of Community Empowerment for Health*, *3*(2), 77. https://doi.org/10.22146/jcoemph.57325

Keliki, N., Kumaladewi H, H., & Sari, R. W. (2022). Karakteristik Faktor Risiko Host Terhadap Tingginya Angka Kejadian Covid-19 Di Kabupaten Pinrang Sulawesi Selatan. *Tirtayasa Medical Journal*, *1*(2), 40. https://doi.org/10.52742/tmj.v1i2.12483

Kenneth McIntosh, M., Martin S Hirsch, M., & Allyson Bloom, M. (2020). Coronavirus disease 2019 (COVID-19). UpToDate Hirsch MS, Bloom A (Eds) Accessed Mar. 2020;5. *UpToDate*, *2019*, 1–27. https://www.cmim.org/PDF_covid/Coronavirus_disease2019_COVID-19_UpToDate2.pdf

Kulcsar, K. A., Coleman, C. M., Beck, S. E., & Frieman, M. B. (2019). Comorbid diabetes results in immune dysregulation and enhanced disease severity following MERS-CoV infection. *JCI Insight*, *4*(20). https://doi.org/10.1172/jci.insight.131774

Lestari, Zulkarnain, & Sijid, S. A. (2021). Diabetes Melitus: Review Etiologi, Patofisiologi, Gejala, Penyebab, Cara Pemeriksaan, Cara Pengobatan dan Cara Pencegahan. *UIN Alauddin Makassar*, *November*, 237–241. http://journal.uin-alauddin.ac.id/index.php/psb

Li, G., Fan, Y., Lai, Y., Han, T., Li, Z., Zhou, P., Pan, P., Wang, W., Hu, D., Liu, X., Zhang, Q., & Wu, J. (2020). Coronavirus infections and immune

responses. *Journal of Medical Virology*, *92*(4), 424–432. https://doi.org/10.1002/jmv.25685

Li, Q., Guan, X., Wu, P., Wang, X., Zhou, L., Tong, Y., Ren, R., Leung, K. S. M., Lau, E. H. Y., Wong, J. Y., Xing, X., Xiang, N., Wu, Y., Li, C., Chen, Q., Li, D., Liu, T., Zhao, J., Liu, M., … Feng, Z. (2020). Early Transmission Dynamics in Wuhan, China, of Novel Coronavirus–Infected Pneumonia. *New England Journal of Medicine*, *382*(13), 1199–1207. https://doi.org/10.1056/nejmoa2001316

Li, X., Geng, M., Peng, Y., Meng, L., & Lu, S. (2020). Molecular immune pathogenesis and diagnosis of COVID-19. *Journal of Pharmaceutical Analysis*, *10*(2), 102–108. https://doi.org/10.1016/j.jpha.2020.03.001

Lim, S., Bae, J. H., Kwon, H. S., & Nauck, M. A. (2021). COVID-19 and diabetes mellitus: from pathophysiology to clinical management. *Nature Reviews Endocrinology*, *17*(1), 11–30. https://doi.org/10.1038/s41574-020-00435-4

Limbachia, V., Nunney, I., Page, D. J., Barton, H. A., Patel, L. K., Thomason, G. N., Green, S. L., Lewis, K. F. J., & Dhatariya, K. (2024). The effect of different types of oral or intravenous corticosteroids on capillary blood glucose levels in hospitalized inpatients with and without diabetes. *Clinical Therapeutics*, *46*(2), e59–e63. https://doi.org/10.1016/j.clinthera.2023.11.013

Liu, W., Tao, Z. W., Wang, L., Yuan, M. L., Liu, K., Zhou, L., Wei, S., Deng, Y., Liu, J., Liu, H. G., Yang, M., & Hu, Y. (2020). Analysis of factors associated with disease outcomes in hospitalized patients with 2019 novel coronavirus disease. *Chinese Medical Journal*, *133*(9), 1032–1038. https://doi.org/10.1097/CM9.0000000000000775

Liu, Y., Ning, Z., Chen, Y., Guo, M., Liu, Y., Gali, N. K., Sun, L., Duan, Y., Cai, J., Westerdahl, D., Liu, X., Ho, K.-F., Kan, H., Fu, Q., & Lan, K. (2020). Aerodynamic characteristics and RNA concentration of SARS-CoV-2 aerosol in Wuhan hospitals during COVID-19 outbreak. *BioRxiv*, *86*(21). https://doi.org/10.1101/2020.03.08.982637

Longaker, L., & Clements, J. N. (2022). Evidence-Based Management of Steroid-Induced Hyperglycemia in the Inpatient Setting. *ADCES in Practice*, *10*(1), 40–45. https://doi.org/10.1177/2633559x211056902

Lotfi, M., Hamblin, M. R., & Rezaei, N. (2020). COVID-19: Transmission, prevention, and potential therapeutic opportunities. *Clinica Chimica Acta*, *508*(May), 254–266. https://doi.org/10.1016/j.cca.2020.05.044

Lukito, J. I. (2021). Antidiabetik Oral Kombinasi Penghambat DPP-4 dan Penghambat SGLT-2. *Cermin Dunia Kedokteran*, *48*(12), 692. https://doi.org/10.55175/cdk.v48i12.1572

Maddaloni, E., & Buzzetti, R. (2020). Covid-19 and diabetes mellitus: unveiling the interaction of two pandemics. *Diabetes/Metabolism Research and Reviews*, *36*(7), 19–20. https://doi.org/10.1002/dmrr.3321

Mahardhika, G. S. (2021). Hyperglycemia Induced by COVID-19 with and without Present Diabetes: A Systematic Review. *KELUWIH: Jurnal Kesehatan Dan Kedokteran*, *2*(2), 64–74. https://doi.org/10.24123/kesdok.v2i2.4431

Malihah, D., & Emelia, R. (2020). Pola Pengobatan Antidiabetes Terhadap Pasien Diabetes Melitus Tipe II Rawat Jalan di RSAU dr.M. Salamun. *Jurnal Delima Harapan 2022*, *7*(September), 31–38.

Masdalena, Muryanto, I., Efendi, A. S., Yunita, J., & Gustina, T. (2021). Faktor Risiko Komorbid Pada Kematian Covid-19 Di Rumah Sakit X Pekanbaru Tahun 2021. *Jurnal Kesehatan Masyarakat Mulawarman*, *3*(2), 105–117. https://pusdatin.kemkes.go.id/resources/download/pusdatin/buletin/buletin-Situasi-Covid-19_opt.pdf

Mehta, J., Rolta, R., Mehta, B. B., Kaushik, N., Choi, E. H., & Kaushik, N. K. (2022). Role of Dexamethasone and Methylprednisolone Corticosteroids in Coronavirus Disease 2019 Hospitalized Patients: A Review. *Frontiers in Microbiology*, *13*(February), 1–17. https://doi.org/10.3389/fmicb.2022.813358

Meryta, A., Fiddia, F., & Swity, A. (2023). Penggunaan Antidiabetek Oral pada Pasien Diabetes Melitus Tipe II di Instalasi Farmasi Rumah Sakit Pinna Bekasi. *Jurnal Farmasi IKIFA*, *2*(1), 46–53.

Morris, D. (2018). Steroid-induced diabetes and hyperglycaemia. Part 1: mechanisms and risks Article points. *Diabetes & Primary Care*, *20*, 151–153. http://bit.ly/2QBUnaV

Natalie, V. P., Lay, D. S., Sitanggang, F. P., Laksminingsih, N. S., & Martadiani, E. D. (2023). HUBUNGAN ANTARA HIPERTENSI DENGAN KEJADIAN COVID-19 YANG BERGEJALA DI RSUP SANGLAH TAHUN 2020. *Jurnal Medika Udayana*, *12*(2), 51–56.

Noreen, S., Maqbool, I., & Madni, A. (2020). Dexamethasone: Therapeutic potential, risks, and future projection during COVID-19 pandemic. *European Journal of Pharmacology*, *January*. https://doi.org/https://doi.org/10.1016/j.ejphar.2021.173854

Pantow, D. I. J., & Tatura, Suryadi, J. E. N. (2022). Hubungan Antara Umur Dan Jenis Kelamin Dengan Penerimaan Vaksinasi Covid-19 Di Wilayah Kerja Puskesmas Kawangkoan Barat. *Health Care : Jurnal Kesehatan*, *11*(2), 374–380.

PERKENI. (2021). Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Dewasa di Indonesia 2021. In *PB PERKENI*. https://pbperkeni.or.id/wp-content/uploads/2021/11/22-10-21-Website-Pedoman-Pengelolaan-dan-Pencegahan-DMT2-Ebook.pdf

Petrilli, C., Jones, S. A., Yang, J., Rajagopalan, H., O'Donnell, L., Chernyak, Y., Tobin, K. A., Cerfolio, R. J., Francois, F., & Horwitz, L. I. (2020). *Factors associated with hospitalization and critical illness among 4,103 patients with Covid-19 disease in New York City*. *646*. https://doi.org/https://doi.org/10.1101/2020.04.08.20057794; t

Pulakurthi, Y. S., Pederson, J. M., Saravu, K., Gupta, N., Balasubramanian, P., Kamrowski, S., Schmidt, M., Vegivinti, C. T. R., Dibas, M., Reierson, N. L., Pisipati, S., Joseph, B. A., Selvan, P. T., Dmytriw, A. A., Keesari, P. R., Sriram, V., Chittajallu, S., Brinjikji, W., Katamreddy, R. R., … Evanson, K. W. (2021). Corticosteroid therapy for COVID-19. *Medicine*, *100*(20), e25719. https://doi.org/10.1097/md.0000000000025719

Rao, S., Lau, A., & So, H. C. (2020). Exploring Diseases/Traits and Blood Proteins Causally Related to Expression of ACE2, the Putative Receptor of SARS-CoV-2: A Mendelian Randomization Analysis Highlights Tentative Relevance of Diabetes-Related Traits. *Diabetes Care*, *43*(7), 1416–1426. https://doi.org/10.2337/dc20-0643

Reynaldo, G. (2021). Karakteristik Klinis Serta Pengaruh Reseptor ACE2 dan Sel Natural Killer Terhadap Gejala COVID-19 pada Anak. *Cermin Dunia Kedokteran*, *48*(3), 181. https://doi.org/10.55175/cdk.v48i3.1338

Rothan, H. A., & Byrareddy, S. N. (2020). The epidemiology and pathogenesis of coronavirus disease (COVID-19) outbreak. *Journal of Autoimmunity*, *109*(February), 102433. https://doi.org/10.1016/j.jaut.2020.102433

Ruhama, R. S., Mahmudah, F., & Sastyarina, Y. (2021). Karakteristik Pasien Terkonfirmasi Coronavirus disease (COVID-19) di RS X Samarinda Periode Maret-Desember 2020. *Proceeding of Mulawarman Pharmaceuticals Conferences*, *14*(December 2020), 262–266. https://doi.org/10.25026/mpc.v14i1.582

Safran, O., Fraind-Maya, G., Kandel, L., Leibowitz, G., & Beyth, S. (2022). The effect of steroid injection into the shoulder on glycemia in patients with type 2 diabetes. *JSES International*, *6*(5), 843–848. https://doi.org/10.1016/j.jseint.2022.05.016

Saleh, A., Kunoli, F. J., & Condeng, B. (2021). Faktor Risiko Kejadian Covid-19 di RSUD Undata Palu. *Jurnal Kolaboratif Sains*, *4*(12), 648–657. https://doi.org/10.56338/jks.v4i12.2066

Scheen, A. J. (1996). Pharmacokinetic of Metformin. *Clinical Pharmacokinetic*, *30*(5), 359–371.

Setiorini, R. P. (2018). *Penerapan Pendidikan Diit 3j (Jumlah, Jenis, Jadwal) Dm Terhadap Penurunan Kadar Gula Darah Pada Keluarga Dengan Diabetes Mellitus Tipe 2 Di Desa Kedungrandu* [UNIVERSITAS MUHAMMADIYAH PURWOKERTO]. https://repository.ump.ac.id:80/id/eprint/8288

Shi, J., Wen, Z., Zhong, G., Yang, H., Wang, C., Huang, B., Liu, R., He, X., Shuai, L., Sun, Z., Zhao, Y., Liu, P., Liang, L., Cui, P., Wang, J., Zhang, X., Guan, Y., Tan, W., Wu, G., … Bu, Z. (2020). Susceptibility of ferrets, cats, dogs, and other domesticated animals to SARS-coronavirus 2. *Science*, *368*(6494), 1016–1020. https://doi.org/10.1126/science.abb7015

Shi, Q., Zhang, X., Jiang, F., Zhang, X., Hu, N., Bimu, C., Feng, J., Yan, S., Guan, Y., Xu, D., He, G., Chen, C., Xiong, X., Liu, L., Li, H., Tao, J., Peng, Z., & Wang, W. (2020). Clinical Characteristics and Risk Factors for Mortality of COVID-19 Patients with Diabetes in Wuhan, China: A Two-Center, Retrospective Study. *Diabetes Care*, *43*(7), 1382–1391. https://doi.org/10.2337/dc20-0598

Shin, W. Y., An, M. J., Im, N. G., Oh, K. R., Choe, Y., Yoon, S. R., & Ryu, S. R. (2020). Changes in blood glucose level after steroid injection for musculoskeletal pain in patients with diabetes. *Annals of Rehabilitation Medicine*, *44*(2), 117–124. https://doi.org/10.5535/arm.2020.44.2.117

Singh, A. K., Gupta, R., Ghosh, A., & Misra, A. (2020). Diabetes in COVID-19: Prevalence, pathophysiology, prognosis and practical considerations. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews*, *14*(4), 303–310. https://doi.org/10.1016/j.dsx.2020.04.004

Stepan, J. G., London, D. A., Boyer, M. I., & Calfee, R. P. (2014). Blood glucose levels in diabetic patients following corticosteroid injections into the hand and wrist. *Journal of Hand Surgery*, *39*(4), 706–712. https://doi.org/10.1016/j.jhsa.2014.01.014

Sugiyono. (2013). Metode Penelitian Kualitatif dan R and D. In *Bandung: Alfabeta* (Vol. 3, Issue April). Penerbit Alfabeta Bandung.

Suh, S., & Park, M. K. (2017). Glucocorticoid-induced diabetes mellitus: An important but overlooked problem. *Endocrinology and Metabolism*, *32*(2), 180–189. https://doi.org/10.3803/EnM.2017.32.2.180

Susilo, A., Rumende, C. M., Pitoyo, C. W., Santoso, W. D., Yulianti, M., Herikurniawan, H., Sinto, R., Singh, G., Nainggolan, L., Nelwan, E. J., Chen,

L. K., Widhani, A., Wijaya, E., Wicaksana, B., Maksum, M., Annisa, F., Jasirwan, C. O. M., & Yunihastuti, E. (2020). Coronavirus Disease 2019: Tinjauan Literatur Terkini. *Jurnal Penyakit Dalam Indonesia*, *7*(1), 45. https://doi.org/10.7454/jpdi.v7i1.415

Tamez-Pérez, H. E. (2015). Steroid hyperglycemia: Prevalence, early detection and therapeutic recommendations: A narrative review. *World Journal of Diabetes*, *6*(8), 1073. https://doi.org/10.4239/wjd.v6.i8.1073

van Paassen, J., Vos, J. S., Hoekstra, E. M., Neumann, K. M. I., Boot, P. C., & Arbous, S. M. (2020). Corticosteroid use in COVID-19 patients: a systematic review and meta-analysis on clinical outcomes. *Critical Care*, *24*(1), 1–22. https://doi.org/10.1186/s13054-020-03400-9

Wang, F., Nie, J., Wang, H., Zhao, Q., Xiong, Y., Deng, L., Song, S., Ma, Z., Mo, P., & Zhang, Y. (2020). Characteristics of peripheral lymphocyte subset alteration in covid-19 pneumonia. *Journal of Infectious Diseases*, *221*(11), 1762–1769. https://doi.org/10.1093/INFDIS/JIAA150

Wang, L., He, W., Yu, X., Hu, D., Bao, M., Liu, H., Zhou, J., & Jiang, H. (2020). Coronavirus disease 2019 in elderly patients: Characteristics and prognostic factors based on 4-week follow-up. *Journal of Infection*, *80*(6), 639–645. https://doi.org/10.1016/j.jinf.2020.03.019

Wang, W., Tang, J., & Wei, F. (2020). Updated understanding of the outbreak of 2019 novel coronavirus (2019-nCoV) in Wuhan, China. *Journal of Medical Virology*, *92*(4), 441–447. https://doi.org/10.1002/jmv.25689

Widiasari, K. R., Wijaya, I. M. K., & Suputra, P. A. (2021). Diabetes Melitus Tipe 2: Faktor Risiko, Diagnosis, Dan Tatalaksana. *Ganesha Medicine*, *1*(2), 114. https://doi.org/10.23887/gm.v1i2.40006

Wiersinga, W. J., Rhodes, A., Cheng, A. C., Peacock, S. J., & Prescott, H. C. (2020). Pathophysiology, Transmission, Diagnosis, and Treatment of Coronavirus Disease 2019 (COVID-19): A Review. *JAMA - Journal of the American Medical Association*, *324*(8), 782–793. https://doi.org/10.1001/jama.2020.12839

Wit, E. De, Doremalen, N. Van, Falzarano, D., & Munster, V. J. (2016). REVIEWS SARS and MERS : recent insights into emerging coronaviruses. *Nature Publishing Group*, *14*(8), 523–534. https://doi.org/10.1038/nrmicro.2016.81

World Health Organization (WHO). (2021). *Clinical management of COVID-19* (Issue August).

Xu, K., He, W., Yu, B., Zhong, K., Zhou, D., & Wang, D. W. (2024). Effects of different treatments for type 2 diabetes mellitus on mortality of coronavirus

disease from 2019 to 2021 in China: a multi-institutional retrospective study. *Molecular Biomedicine*, *5*(1), 1–13. https://doi.org/10.1186/s43556-024-00183-1

Yang, Y., Xiao, Z., Ye, K., He, X., Sun, B., Qin, Z., Yu, J., Yao, J., Wu, Q., Bao, Z., & Zhao, W. (2020). SARS-CoV-2: characteristics and current advances in research. *Virology Journal*, *17*(1), 1–17. https://doi.org/10.1186/s12985-020-01369-z

Yeni, F., Zelhendri, Z., & Darmansyah. (2018). *Penilitian Pendidikan*.

Zahedi, M., Kordrostami, S., Kalantarhormozi, M., & Bagheri, M. (2023). A Review of Hyperglycemia in COVID-19. *Cureus*, *15*(4), 15–21. https://doi.org/10.7759/cureus.37487

Zhou, F., Yu, T., Du, R., Fan, G., Liu, Y., Liu, Z., Xiang, J., Wang, Y., Song, B., Gu, X., Guan, L., Wei, Y., Li, H., Wu, X., Xu, J., Tu, S., Zhang, Y., Chen, H., & Cao, B. (2020). Clinical course and risk factors for mortality of adult inpatients with COVID-19 in Wuhan, China: a retrospective cohort study. *The Lancet*, *395*(10229), 1054–1062. https://doi.org/10.1016/S0140-6736(20)30566-3