DAFTAR PUSTAKA

- Abbasifard M, Khorramdelazad H, 2020. The Bio-mission of interleukin-6 in the pathogenesis of COVID-19. In review article: a brief look at potential therapeutic tactics, Life Sciences, vol (257). ELSEVIER. P.1-8.
- Aziz M, Fatima R, Assaly R, 2020. Elevated interleukin-6 and severe COVID-19: A meta-analysis. In Wiley Public Health Emergency Collection. P.1-4.
- Bhatraju PK, Ghassemieh BJ, Nicholas M, Kim R, Jerome KR, Nalla AK *et al.*, 2020. COVID-19 in critically ill patients in the Seattle region. In Case series. NEJM.org. P. 1-15.
- Burhan E *et al*, 2020, Pedoman tatalaksana COVID-19 edisi 3, ISBN: 978-623-92964-9-0, Jakarta. P. 3-7.
- Bing Z, Wei Z, Jiu J, Xue Y, 2020. Value of neutrophil-to-lymphocite ratio in the classification diagnosis of corona virus disease 2019. Springer. P.1-7
- Cao M, Zhang Y, Wang, 2020. Clinical featuress of patients infected with the 2019 novel coronavirus (COVID-19) in Shanghai, China. MedRxiv. p.1-14.
- Chen N, Zhou M, Dong X, Qu J, Gong F, Han Y et al.,2020. Epidemiological and clinical characteristics of 99 cases of 2019 novel coronavirus pneumonia in Wuhan, China. In a descriptive study. Lancet. p.507-513.
- Cruz AS, Frias AM, Oliveira AI, dias L, Matos AR, Carvalho A et al., 2020. Interleukin-6 is a biomarker for the development of fatal severe acute respiratory syndrome coronavirus-2 Pneumonia. In Original research Immunology. Frontiers. P.1-10.
- Dahlan MS, 2014. Langkah-langkah membuat proposal penelitian bidang kedokteran dan kesehatan. Sagung seto. P.80-95
- Fang X, Wang X, Cai Z, Wu X, Gao X, Min J, Zhou M et al., 2020. Comorbid chronic disease and acute organ injuries are strongly correlated with disease severity and mortality among COVID-19 patients. In A Systematic review and meta analysis. AAAS. P.1-17
- Feng YW, Zou Z, Chen RL, Yu BJ, Ren D, Wu M, 2020. Persistent lymphopenia after diagnosis of COVID-19 predicts acute respiratory distress syndrome. In A Retrospective cohort study. Springer. P.1-19
- Ge H, Wang X, Yuan X, Xiao G, Wang C, Deng T et al., 2020, The epidemiology and clinical information about COVID-19, European Journal of Clinical Microbiology & Infectious Diseases Volume 39:1011–1019, Springer-Verlag GmbH Germany, part of Springer Nature, p.1-9
- Gelzo M, Cacciapuoti S, Pinchera B, De Rosa A, Cernera G, Scialo F *et al.*,2021. Prognostic role of neutrophyl to lymphocyte ratio in COVID-19 Patients: Still valid in patients that had started therapy? In Brief research report article Front. Public health. p.1-7

- Bhopale G, 2016. Pathogenesis of Hepatitis B Virus. International Hournal of Current Microbiology and Applied Sciences, Vol.5, No.6, pp:619-626.
- Burns G, Thompson A, 2014. Viral Hepatitis B: Clinical And Epidemiological Characteristics. Cold Spring Harbor Perspectives in Medicine, Vol.4,p:1-11
- Gatbadge T, Peterson BM, Awada J, Buck AS, Ramirez DA, Pinchera B *et al.*, 2020) Systematic review and meta analysis of sex specific covid-19 clinical outcomes. In Frontiers Medicine. p.1-9
- Guan L, Pu L, Xiong H, Li C, Zhang M, Tan J. Cytokin storm in COVID-19. In Review article Immunology. Springer.p.1-12
- Hesamirostami M, Nazarian R, Asghari H, Jafarirad A, Khosravi A, Nouranibaladezaei S, Radfar A, 2021. A Case series of concomitant burn and COVID-19. In Burns Open, ELSEVIER, p.34-38
- Huang W, Li M, Luo G, Wu X, Su B, Zhao L, et al., 2021. The Inflamatory Factors associated with disease severity to Predict COVID-19 Progression. In The Journal of Immunology, p.1598-1608.
- Insert Kit Cobas Elecsys, 2017, Interleukin-6. p.1-4
- John SR, Winthrop K, Calabrese L, 2017, The Role of IL-6 in host defence against infections: immunobiology and clinical implifications. In NATURE REVIEW RHEUMATOLOGY, Springers Nature. P. 1-9
- Kaas AD, Duggal P, Cingolani O, 2020. Obesity could shift severe COVID-19 disease to younger ages. In The LANCET. ELSEVIER. P.1-9
- Kang S, Tanaka T, Narazaki M, Kishimoto T, 2019, Targeting interleukin-6 signaling in clinic. In Immunity review, CellPress, ELSEVIER. P.1007-1018.
- Keputusan Menteri Kesehatan RI no.01.07/Menkes/413/2020 tentang pencegahan dan pengendalian COVID-19
- Kerboua KE, 2021. NLR: A cost-eveffective nomogram to guide therapeutic in COVID-19.In Immunological Investigation ELSEVIER. P.1-9
- Kerget B, Kerget F, Kocak AO, Kiziltunc A, Araz O., et al, 2020. Are serum interleukin-6 and surfactan Protein D Levels Associated with the Clinical Course of COVID-19. In COVID-19 PULMONARY DISEASE and BIOMARKERS. Lung(2020)198:P. 777-784
- Kim SJ, Lee JY, Yang JW, Lee KH, Effenberger M, Szpirt W et al., 2021, Immunopathogenesis and treatment of cytokine storm in COVID-19. In Theranostics, volume (11). p. 316-327
- Kiss S, Gede N, Hegyi P, Nemeth D, Foldi M, Albert T *et al.*,2021. Early Changes in laboratory parameters are predictors of mortality and ICU admission in patients with COVID-19: A systematic review and meta analysis. Original Investigation in Medical Microbiology and Immuology (2021) 210: Springer.p. 33-47.
- Li X, Geng M, Peng Y, Meng L, Lu S, 2020, Molecular immune pathogenesis and diagnosis of COVID-19. In Review paper Journal of Pharmaceutical analysis volume 10 (2020). Science Direct. p.102-108
- Liu L, Zheng Y, Cai L, Wu W, Tang S, Lu H *et al.*, 2020a, Neutrophil to lymphocyte ratio, a critical predictor of disease severity in patients with COVID-19, Original article, DOI: 10.1111/ijlh.1337, WILEY.P. 1- 9

- Liu J, Liu Y, Xiang P, Pu L, Xiong H, Li C *et al.*, 2020b. Neutrophyl-to-lymphocyte ratio predicts critical illness with 2019 coronavirus disease in the early stage. In Journal of Translational Medicine, BMC.P. 1-12
- Liu H, Chen S, Liu M, Nie H, Lu H, 2020c. Comorbid Chronic Diseases are Strongly Correlated with Disease Severity among COVID-19 Patients: A Systematic review and Meta-Analysis. Review In Aging and Disease. P.668-76.
- Liu J, Liu Y, Xiang P, Pu L, Xiong H, Li C *et al.*, 2020b. Neutrophyl-to-lymphocyte ratio predicts critical illness with 2019 coronavirus disease in the early stage. In Journal of Translational Medicine, BMC.P. 1-12
- Liu H, Chen S, Liu M, Nie H, Lu H, 2020c. Comorbid Chronic Diseases are Strongly Correlated with Disease Severity among COVID-19 Patients: A Systematic review and Meta-Analysis. Review In Aging and Disease. P.668-76.



- Liu B, Li M, Zhou Z, Guan X, Xiang Y, 2020d. Can we use interleukin-6 (IL-6) blockade for coronavirus disease 2019 (COVID-19)-induced cytokine release syndrome(CRS),https://doi.org/10.1016/j.jaut.2020.102452, ELSEVIER..p.1-7
- Liu D, Li L, Wu X, Zheng D, Wang J, Yang L, 2020e. Pregnancy and perinatal outcomes of woman with coronavirus disease (COVID-19) Pneumonia: A Preliminary Analysis, American Journals of Roentgenology. P.1-6
- Liu Z, Li J, Chen D, Gao R, Zeng W, Chen S, 2020f. Dynamic interleukin-6 level changes as a prognostic indicator in patients with COVID-19. In Original research pharmacology (volume 11). Frontiers. P.1-10.
- Lippi G, Womg J, Henry BM, 2020. Hypertension and its severity of mortality in corona virus disease 2019: a pooled analysis. In Internal Medicine. P. 1-11
- Long H, Yang AP, Liu JP, Tao WG, Li HM, 2020. The diagnostic and predictive of role of NLR, d-NLR and PLR in COVID-19 patients. In Int Immunopharmacol. ELSEVIER. P.1-7
- Manual Sysmex XN, 2017
- Meng Y, Wu P, Lu W, Liu K, Ma K, Peng Y et al.,2020. Sex specific clinical characteristic and prognosis of coronavirus disease-19 infection in Wuhan, China: A retrospective study of 168 severe patients. In research PLOS PATHOGENS. P. 1-13
- Mina A, Besien KV, Platanias LC, 2020, Hematological Manifestation of COVID-19 In leukemia and lymphoma, USA: Taylor & Francis, p:1-9
- Mousavizadeh L, Ghasemi S, 2020. Genotype and phenotype of COVID-19: Their roles in pathogenesis In Journal of microbiology, immunology and infection XXX, ScienceDirect.
- Mojtabavi H, Saghazadeh A, Rezaei N, 2020. Interleukin-6 and severe COVID-19:

 A Systematic review and meta analysis. In Short Review Eur. Cyokine
 Netw. P.44-49
- Onder G, Rezza G, Brusaferro S, 2020. Case fatality rate and characteristic of patients dying in relation to COVID-19 in Italy. In JAMA, volume 18. p.75-76
- Phoswa WN, Khaliq OP, 2020. Is pregnancy a risk factor of COVID-19? In European Journal of obstetrics & gynecology and reproductive biology. ELSEVIER. p.1-5
- Ponti G, Maccaferri M, Ruini C, Tomasi A, and Ozben T, 2020, Biomarkers associated with COVID-19 disease progressione In *Critical reviews in clinical laboratory* sciences, Turkey: Taylor & Francis Group, P. 1-12
- Pradhan A, Olsson PE, 2020. Sex difference in severity and mortality from COVID-19: Are males more vulnerables?. In review biology of sex difference. BMC. p.1-11
- Puzzitiello RN, Pagani NR, Moverman MA, Moon AS, Menendez ME, Ryan SP, 2020. Inflamatory and coagulative considerations for the management of orthopaedic trauma patients with COVID-19: A Review of the current evidence and our surgical experience. In Original Article, Wolters Kluwer Health. P.389-94

- Ruiz SJ, Ventura PS, Vazquez JM, Adasme SIG, Garcia MM, Pol PT *et al.*, 2020. Prognostic implication of neutrophil-lymphocyte ratio in COVID-19. In Original Article. WILEY. P.1-9
- Sabaka P, Koscalova A, Straka I, Hodosy J, Liptak R, Kmotorkova B *et al.*, 2021, Role of interleukin 6 as a predictive factor for a severe course of COVID-19: retrospective data analysis of patients from a long-term care facility during COVID-19 outbreak. In Research article. BMC Infectious Diseases, volume (21). P. 2-8
- Samudrala AK, Kumar P, Choudhary R, Thakur N, Wadekar GS, Dayaramani R *et al.*,2020. Virology, pathogenesis, diagnosis and in-line treatment of COVID-19. In European journal of pharmacology. ELSEVIER. P.1-12
- Satgas COVID-19 republik Indonesia website
- Sayah W, Berkane I, Guermache I, Sabri M, Lakhal FZ, Rahali SY et al., 2021, Interleukin-6, procalcitonin and neutrophil-to-lymphocyte ratio: Potential immune-inflamatory parameters to identify severe and fatal forms of COVID-19. In Cytokine volume (141), ELSEVIER, P.1-8
- Shi S, Liu X, Xiao J, Wang H, Chen L, Li J et al., 2020. Prediction of adverse clinical outcomes in patients with coronavirus disesae 2019. In Research Article, WILEY, P. 1-9.
- Singh KA, Gupta R, Ghosh A, Misra A,2020. Diabetes in COVID-19: prevalence, pathophysioloy, prognosis and practical considerations. In Dibetes & Metabolic syndrome: Clinical research & reviews. ELSEVIER. P. 303-310
- Sole FD, Farcomeni A, Loffredo L, Carnevale R, Menichelli D, Pagani NR et al., 2020. Features of severe COVID-19: A systematic review and meta analysis. In European journal of clinical investigation, Volume 50(10).P.1-9
- Sun H, Guo P, Zhang L, Wang F, 2020, Serum interleukin-6 concentration and the severity of COVID-19 Pneumonia: A retrospective study at a single center in Bengbu City, Anhui Province, China, in January and February 2020. In MEDICAL SCIENCE. P. 1-6
- Tank K, Chu KH, Tsang CS. Acute renal impairment in coronavirus-associated severe acute respiratory syndrome. In Kidney international, volume 67.P. 698-705.
- Tanaka T, Narazaki M, Kishimoto T, 2014. IL-6 in inflamation, Immunity and disease. In Cold spring harbor perspective in Biology, P. 1-15
- Takahashi T, Ellingson MK, Wong P, Israelow B, Lucas C, White A et al., 2020. Sex difference in immuno responses that underlied COVID-19 disease outcomes. BMJ. P. 1-9
- Terpos E,Ntanasis-Stathopoulous I, Etalamy I, Kastritis E, sergentianis TN, Politou M, et al., 2020. Hematological findings and complication of COVID-19. In American journal of hematology, Volume (95), Athena: Wiley, P: 834-847
- Velavan T, Meyer C, 2020, Mild versus severe COVID-19: Laboratory markers. In International journal of Infectious diseases. ELSEVIER. P.304-307
- Wang CL, Liu YY, Wu CH, Wang CY, Wang CH, Wang F *et al.*,2021. Impact of COVID-19 on pregnancy. In International journal of medical sciences, volume 18 (3). IVYSPRING. P. 763-767.
- Website Corona Sumbar http://corona .sumbarprov.go.id

- Wei X, Xiao YT, Chen R, Zhang W, Yang Y, Wang F *et al.*, 2020. Sex difference in severity and mortality among patients with COVID-19: Evidence from pooled literatur analysis and insights from Integrated bioinformatic analysis. Cornell University. P.1-12
- WHO, 2021. Coronavirus disease COVID-19 situation reports.
- Yan Y, Yang Y, wang F, ren H, zhang S *et al.*, 2020. Clinical characteristics and outcomess of patients with severe COVID-19 with diabetes. In Clinical Care/ Education/nutrition.p.1-16
- Yang L, Liu S, Liu J, Zhang Z, Wan X, Xiao J *et al.*, 2020. Review article COVID-19: Immunopathogenesis and immunotherapeutics, In Signal transduction and targeted therapy, Volume 5 (128), China: Springer nature, P:1-8
- Zhang C, Wu Z, Li JW, Zhao, Wang GQ, 2020. The cytokine release syndrome (CRS) of severe COVID-19 and interleukin-6 receptor (IL-6R) antagonist tocilizumab may be the key to reduce the mortality. In International journal of antimicrobial Agents, ELSEVIER, P: 1-6
- Zhu Z, Cai T, Fan L, Lou K, Hua X, Huang Z, 2020. Clinical value of immune-inflamatory parameters to asses the severity of coronavirus disease 2019. In International society for infectious diseases. ELSEVIER, P.1-8



