

DAFTAR PUSTAKA

- Al Naggar, Y., Giesy, J. P., Abdel-Daim, M. M., Javed Ansari, M., Al-Kahtani, S. N., & Yahya, G. (2021). Fighting against the second wave of COVID-19: Can honeybee products help protect against the pandemic? In *Saudi Journal of Biological Sciences* (Vol. 28, Issue 3, pp. 1519–1527). Elsevier B.V. Tersedia di <https://doi.org/10.1016/j.sjbs.2020.12.031>. [Diakses 30 April 2021]
- Al-Hatamleh, M. A. I., Hatmal, M. M., Sattar, K., Ahmad, S., Mustafa, M. Z., Bittencourt, M. D. C., & Mohamud, R. (2020). Antiviral and Immunomodulatory Effects of Phytochemicals from Honey against COVID-19: Potential Mechanisms of Action and Future Directions. In *Molecules (Basel, Switzerland)* (Vol. 25, Issue 21). NLM (Medline). Tersedia di <https://doi.org/10.3390/molecules25215017>. [Diakses 17 Juni 2021]
- Ali, A. M., & Kunugi, H. (2021a). Approaches to nutritional screening in patients with coronavirus disease 2019 (COVID-19). In *International Journal of Environmental Research and Public Health* (Vol. 18, Issue 5, pp. 1–15). MDPI. Tersedia di <https://doi.org/10.3390/ijerph18052772>. [Diakses 22 April 2021]
- Ali, A. M., & Kunugi, H. (2021b). The Effects of Royal Jelly Acid, 10-Hydroxy-trans-2-decenoic Acid, on Neuroinflammation and Oxidative Stress in Astrocytes Stimulated with Lipopolysaccharide and Hydrogen Peroxide. *Immuno*, *1*(3), 212–222. Tersedia di <https://doi.org/10.3390/immuno1030013>. [Diakses 6 Mei 2021]
- Alvarez-Suarez, J. M., Tulipani, S., Díaz, D., Estevez, Y., Romandini, S., Giampieri, F., ... & Battino, M. (2010). Antioxidant and antimicrobial capacity of several monofloral Cuban honeys and their correlation with color, polyphenol content and other chemical compounds. *Food and Chemical Toxicology*, *48*(8-9), 2490-2499. Tersedia di <https://doi.org/10.1016/j.fct.2010.06.021>. [Diakses 18 September 2021]
- Alyami, H. S., Orabi, M. A. A., Aldhabbah, F. M., Alturki, H. N., Aburas, W. I., Alfayez, A. I., Alharbi, A. S., Almasuood, R. A., & Alsuhaibani, N. A. (2020). Knowledge about COVID-19 and beliefs about and use of herbal products during the COVID-19 pandemic: A cross-sectional study in Saudi Arabia. *Saudi Pharmaceutical Journal*, *28*(11), 1326–1332. Tersedia di <https://doi.org/10.1016/j.jsps.2020.08.023>. [Diakses 19 November 2021]
- Arfa, A., Reyad, Y. M., & Nikeety, M. el. (2021b). *Quality Parameters of Royal Jelly in national and international standards: Specifications, differences and suggestions* (Vol. 25). Tersedia di http://annalsofrscb.ro*ORCID:https://orcid.org/0000-0002-4906-6102. [Diakses 20 Oktober 2021]
- Ashraf, S., Ashraf, S., Ashraf, M., Imran, M. A., Kalsoom, L., Siddiqui, U. N., ... Siddique, S. (2020). Honey and Nigella sativa against COVID-19 in Pakistan (HNS-COVID-PK): A multi-center placebo-controlled randomized clinical trial. *MedRxiv*. Tersedia di <https://doi.org/10.1101/2020.10.30.20217364>. [Diakses 6 November 2021]

- Bogdanov, S. Jurendic, T. Sieber, R. Gallmann, P. (2008). "Honey for nutrition and health: a review," *Journal of the American College of Nutrition*, vol. 27, no. 6, pp. 677–68. Tersedia di www.bee-hexagon.net. [Diakses 25 Mei 2021]
- Bouamama, S., Merzouk, H., Latrech, H., Charif, N., & Bouamama, A. (2021). Royal jelly alleviates the detrimental effects of aging on immune functions by enhancing the in vitro cellular proliferation, cytokines, and nitric oxide release in aged human PBMCS. *Journal of Food Biochemistry*, 45(2). Tersedia di <https://doi.org/10.1111/jfbc.13619>. [Diakses 6 Juni 2021]
- Buttstedt, A., Moritz, R. F. A., & Erler, S. (2014). Origin and function of the major royal jelly proteins of the honeybee (*Apis mellifera*) as members of the yellow gene family. *Biological Reviews*, 89(2), 255–269. Tersedia di <https://doi.org/10.1111/brv.12052>. [Diakses 18 Juli 2021]
- Caesarino, R. I., Wahjono, H., & Lestari, E. S. (2018). Tingkat Kepatuhan Personel Rumah Sakit Terhadap Pelaksanaan Cuci Tangan Di Rs Nasional Diponegoro (Doctoral dissertation, Faculty of Medicine). Tersedia di <http://eprints.undip.ac.id/63636/>. [Diakses 22 September 2021]
- Carsetti, R., Zaffina, S., Piano Mortari, E., Terreri, S., Corrente, F., Capponi, C., Palomba, P., Mirabella, M., Cascioli, S., Palange, P., Cuccaro, I., Milito, C., Zumla, A., Maeurer, M., Camisa, V., Vinci, M. R., Santoro, A., Cimini, E., Marchioni, L., ... Locatelli, F. (2020). Different Innate and Adaptive Immune Responses to SARS-CoV-2 Infection of Asymptomatic, Mild, and Severe Cases. *Frontiers in Immunology*, 11. Tersedia di <https://doi.org/10.3389/fimmu.2020.610300>. [Diakses 2 Juli 2021]
- Ciotti, M., Ciccozzi, M., Terrinoni, A., Jiang, W. C., Wang, C. bin, & Bernardini, S. (2020). The COVID-19 pandemic. In *Critical Reviews in Clinical Laboratory Sciences* (pp. 365–388). Taylor and Francis Ltd. Tersedia di <https://doi.org/10.1080/10408363.2020.1783198>. [Diakses 18 Agustus 2021]
- Cunha, L. L., Perazzio, S. F., Azzi, J., Cravedi, P., & Riella, L. V. (2020). Remodeling of the Immune Response With Aging: Immunosenescence and Its Potential Impact on COVID-19 Immune Response. In *Frontiers in Immunology* (Vol. 11). Frontiers Media S.A. Tersedia di <https://doi.org/10.3389/fimmu.2020.01748>. [Diakses 25 Agustus 2021]
- Erejuwa, O. O., Sulaiman, S. A., ab Wahab, M. S., Salam, S. K. N., md Salleh, M. S., & Gurtu, S. G. (2011). Comparison of antioxidant effects of honey, glibenclamide, metformin, and their combinations in the kidneys of streptozotocin-induced diabetic rats. *International Journal of Molecular Sciences*, 12(1), 829–843. Tersedia di <https://doi.org/10.3390/ijms12010829>. [Diakses 7 Agustus 2021]
- Fasanmade AA, Alabi OT. (2008). Differential effect of honey on selected variables in alloxan-induced and fructose-induced diabetes rats. *Afr J Biomed Res*. 2008;11(01): 191-6. Tersedia di <https://www.ajol.info/index.php/ajbr/article/view/50706>. [Diakses 22 September 2021]

- Habashy, N. H., & Abu-Serie, M. M. (2020). The potential antiviral effect of major royal jelly protein2 and its isoform X1 against severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2): Insight on their sialidase activity and molecular docking. *Journal of Functional Foods*, 75. Tersedia di <https://doi.org/10.1016/j.jff.2020.104282>. [Diakses 9 Agustus 2021]
- Hammad, S. 2014. *Kedokteran Nabi*. Solo: Aqwamedika, ISBN 9786028831086. Tersedia di https://perpustakaan.litbang.kemkes.go.id/index.php?p=show_detail&id=36218. [Diakses 9 Agustus 2021]
- Higgins, J. P. T., Altman, D. G., Gøtzsche, P. C., Juni, P., Moher, D., Oxman, A. D., Savović, J., Schulz, K. F., Weeks, L., & Sterne, J. A. C. (2011). The Cochrane Collaboration's tool for assessing risk of bias in randomised trials. *BMJ (Online)*, 343(7829). Tersedia di <https://doi.org/10.1136/bmj.d5928>. [Diakses 2 September 2021]
- Higgins, J. P. T., Thomas, J. (Professor of S. R. and P., Chandler, J., Cumpston, M., Li, T. (Writer on evidence-based medicine), Page, M. J., Welch, V. A., & Cochrane Collaboration. (n.d.). *Cochrane handbook for systematic reviews of interventions*. Tersedia di <https://training.cochrane.org/handbook>. [Diakses 2 September 2021]
- Hossain, K. S., Hossain, M. G., Moni, A., Rahman, M. M., Rahman, U. H., Alam, M., Kundu, S., Rahman, M. M., Hannan, M. A., & Uddin, M. J. (2020). Prospects of honey in fighting against COVID-19: pharmacological insights and therapeutic promises. In *Heliyon* (Vol. 6, Issue 12). Elsevier Ltd. Tersedia di <https://doi.org/10.1016/j.heliyon.2020.e05798>. [Diakses 13 September 2021]
- IBK Suardana, (2017). *Diktat Immunologi Dasar Sistem Imun Fakultas Kedokteran Hewan Universitas Udayana Denpasar*. Tersedia di https://simdos.unud.ac.id/uploads/file_pendidikan_1_dir/284a0e69155751dc6c459b07f14bc03c.pdf. [Diakses 22 September 2021]
- Isbaniah, F., Saputro, D. D., Sitompul, P. A., Susilo, A., Wihastuti, R., & Manalu, R. (2020). *Pedoman Pencegahan dan Pengendalian Corona Virus Disease (Covid- 19)*. Jakarta: Kementerian Kesehatan RI. Tersedia di https://infeksiemerging.kemkes.go.id/download/REV-04_Pedoman_P2_COVID-19_27_Maret2020_TTD1.pdf. [Diakses 29 Juni 2021]
- J. Harlan. (2018). *Biopsikologi*. Tersedia di <https://doi.org/10.33533/jpm.v14i1-2.2046>. [Diakses 22 September 2021]
- Kalediene, L., Baz, M., Liubaviciute, A., Biziuleviciene, G., Grabauskyste, I., Bieliauskiene, R., ... Jurjonas, N. (2021). Antiviral effect of honey extract camelyn against sars-cov-2. *Journal of Advanced Biotechnology and Experimental Therapeutics*, 4(3), 290–297. Tersedia di <https://doi.org/10.5455/jabet.2021.d129>. [Diakses 10 Desember 2021]
- Kesehatan, J., Kalimantan, P. B., Sukmana, M., & Yuniarti, F. A. (2020). *Fakultas*

- Kedokteran Universitas Mulawarman The Pathogenesis Characteristics and Symptom of COVID-19 in the Context of Establishing a Nursing Diagnosis* (Issue 1). Tersedia di <http://e-journals.unmul.ac.id/index.php/JKPBK>. [Diakses 19 Agustus 2021]
- Khasanah, R., Parman, S., Widodo, S., & Suedy, A. (2017). Kualitas Madu Lokal Dari Lima Wilayah Di Kabupaten Wonosobo. In *Jurnal Biologi* (Vol. 6, Issue 1). Tersedia di <https://ejournal3.undip.ac.id/index.php/biologi/article/view/19520>. [Diakses 20 September 2021]
- Münstedt, K. (2020). Beekeepers who tolerate bee stings are not protected against SARS-CoV-2 infections. *Toxicon*, 187, 279–284. Tersedia di <https://doi.org/10.1016/j.toxicon.2020.10.004>. [Diakses 8 Juni 2021]
- Mason, R. J. (2020). Pathogenesis of COVID-19 from a cell biology perspective. In *European Respiratory Journal* (Vol. 55, Issue 4). European Respiratory Society. Tersedia di <https://doi.org/10.1183/13993003.00607-2020>. [Diakses 23 Agustus 2021]
- Meena, N. L., Verma, P., Pande, R., Kumar, M., Watts, A., & Gupta, O. P. (2020). Bioavailability and Nutritional Analysis of Flavonoids. In *Plant Phenolics in Sustainable Agriculture* (pp. 135-156). Springer, Singapore. Tersedia di https://doi.org/10.1007/978-981-15-4890-1_6. [Diakses 12 September 2021]
- Meo, S. A., Ansari, M. J., Sattar, K., Chaudhary, H. U., Hajjar, W., & Alasiri, S. (2017). Honey and diabetes mellitus: obstacles and challenges—road to be repaired. *Saudi journal of biological sciences*, 24(5), 1030-1033. Tersedia di <https://doi.org/10.1016/j.sjbs.2016.12.020>. [Diakses 19 September 2021]
- Nasir, N. M., Baequni, B., & Nurmansyah, M. I. (2020). Misinformation Related To COVID-19 In Indonesia. *Jurnal Administrasi Kesehatan Indonesia*, 8(2), 51. Tersedia di <https://doi.org/10.20473/jaki.v8i2.2020.51-59>. [Diakses 19 Juli 2021]
- Natarajan, O., Angeloni, J. T., Bilodeau, M. F., Russi, K. E., Dong, Y., & Cao, M. (2021). The Immunomodulatory Effects of Royal Jelly on Defending against Bacterial Infections in the *Caenorhabditis elegans* Model. *Journal of Medicinal Food*, 24(4), 358–369. Tersedia di <https://doi.org/10.1089/jmf.2020.0050>. [Diakses 11 Juni 2021]
- Page, M. J., McKenzie, J. E., Bossuyt, P. M., Boutron, I., Hoffmann, T. C., Mulrow, C. D., Shamseer, L., Tetzlaff, J. M., Akl, E. A., Brennan, S. E., Chou, R., Glanville, J., Grimshaw, J. M., Hróbjartsson, A., Lalu, M. M., Li, T., Loder, E. W., Mayo-Wilson, E., McDonald, S., Moher, D. (2021). The PRISMA 2020 statement: An updated guideline for reporting systematic reviews. In *The BMJ* (Vol. 372). BMJ Publishing Group. Tersedia di <https://doi.org/10.1136/bmj.n71>. [Diakses 28 April 2021]
- Pasupuleti, V. R., Sammugam, L., Ramesh, N., & Gan, S. H. (2017). Honey, Propolis, and Royal Jelly: A Comprehensive Review of Their Biological Actions and Health Benefits. In *Oxidative Medicine and Cellular Longevity* (Vol. 2017). Hindawi

- Limited. Tersedia di <https://doi.org/10.1155/2017/1259510>. [Diakses 17 Mei 2021]
- Pelayanan Kesehatan Di Masa Pandemi, P., Halim Sukur, M., Kurniadi, B., & Faradillahisari, R. N. (2020). COVID-19 Dalam Perspektif Hukum Kesehatan. In *Journal Inicio Legis* (Vol. 1). Tersedia di <https://journal.ummat.ac.id/index.php/jmm/article/view/4922>. [Diakses 2 Mei 2021]
- Pramono, A., Nugraha, Y., Rifkia, V., & Sahlan, M. (2020). Systematic review of lymphocyte enhancement in vivo with honey intervention : a study to overcome early lymphopenia In COVID-19. *Jurnal Profesi Medika : Jurnal Kedokteran Dan Kesehatan*, 14(1–2). Tersedia di <https://doi.org/10.33533/jpm.v14i1-2.1915>. [Diakses 12 September 2021]
- Prawiro, S. R., Kusuma, M. T., Amiruddin, R., Sukmawati, I. N., Kusnaningrum, Y., Nadarajah, J. D. S., ... Winarsih, S. (2021). Generating Responses Immune In Cellular And Humoral Treatment With Epitope Spike, Epitope Envelope Protein, And Epitope Membrane Protein Sars-Cov-2, Honey, Saussurea Lappa, And Nigella Sativa. *African Journal of Infectious Diseases*, 15(2s), 23–30. Tersedia di <https://doi.org/10.21010/ajid.v15i2s.3>. [Diakses 20 November 2021]
- Pusat Pengembangan Apiari Pramuka. (2010). Lebah Madu. Cara Beternak dan Pemanfaatan. Penebar Swadaya. Jakarta. Tersedia di <https://doi.org/10.33533/jpm.v14i1-2.1915>. [Diakses 19 September 2021]
- Saim Mohammad Saikat, A., Mahmud, S., Rasel Hossain, M., Abu Sayeed Imran, M., Islam, R., Shah Alam, M., Hasan Masud, M., Zakerin Abedin, M., & Ekhlash Uddin, M. (2020). Anticipation Of Natural Honey In Fighting Against Novel Coronavirus: Pharmacologic And Therapeutical Study. In *Journal of Natural Remedies* (Vol. 21, Issue 8). Tersedia di <https://www.gonouniversity.edu.bd/bio/teacher/md-ekhlash-uddin/>. [Diakses 7 Mei 2021]
- Schönleben, S., Sickmann, A., Mueller, M. J., & Reinders, J. (2007). Proteome analysis of *Apis mellifera* royal jelly. *Analytical and Bioanalytical Chemistry*, 389(4), 1087–1093. Tersedia di <https://doi.org/10.1007/s00216-007-1498-2>. [Diakses 10 September 2021]
- Septyaningtrias, D. E., Fachiroh, J., Paramita, D. K., Purnomosari, D., & Susilowati, R. (2020). Review of immune responses correlated with COVID-19 outcomes: the fight, debacle and aftermath in the Indonesian context. *Journal of Thee Medical Sciences(Berkala Ilmu Kedokteran)*, 52(03). Tersedia di <https://doi.org/10.19106/jmedscisi005203202004>. [Diakses 27 Juli 2021]
- Strategi, K., Penanggulangan, P., Presentasi, O., Tinggi, S., Kesehatan, I., Saintika, S., Dr, J., No, H., Timur, A. T., & Barat Indonesia, S. (2019). *Review : Peranan Senyawa Flavonoid Dalam Meningkatkan Sistem Imun Di Masa Pandemi Covid-19* Wiya Elsa Fitri, Adewirli Putra. Tersedia di <https://jurnal.syedzasaintika.ac.id/index.php/PSNSYS/article/download/909/644>. [Diakses 2 Mei 2021]

- Studi, P., Farmasi, S., & Farmasi, J. (2020). *Pedoman Penulisan Tugas Akhir Systematic Review/Review Artikel Terstruktur*. Tersedia di <http://fk.ub.ac.id/tugasakhir/wp-content/uploads/2020/09/update-pedoman-TA-systematic-review-PSSF.pdf>. [Diakses 22 Agustus 2021]
- Sugiyono. 2011. *Metode Penelitian Administratif*. Bandung: Alfabeta. Tersedia di https://elibrary.dephub.go.id/opac/detail-opac?id=4606_ [Diakses 23 September 2021] Sudiono, Janti. 2014. *Sistem Kekebalan Tubuh*. Jakarta: EGC. Tersedia di <https://www.egcmedbooks.com/buku/detail/73/sistem-kekebalan-tubuh>. [Diakses 15 September 2021]
- Uçak Koç, A., Karacaoğlu, M., Bakır, Z. B., & Keser, B. (2021). Does the Presence and Absence of Queen Bee in the Production of Royal Jelly Affect the Amount of Soluble Protein and Ratio of 10-Hydroxy-2-Decenoic Acid? *Turkish Journal of Agriculture - Food Science and Technology*, 9(8), 1443–1447. Tersedia di <https://doi.org/10.24925/turjaf.v9i8.1443-1447.4256>. [Diakses 1 September 2021]
- UNEJ, F. (2020). *Panduan Literature Review untuk Skripsi. Panduan Literature Review untuk Skripsi* (p. 10). Tersedia di <http://fkm.unej.ac.id/wp-content/uploads/2020/09/PANDUAN-LITERATURE-REVIEW-FKM-UNEJ-2020.pdf>. [Diakses 13 Agustus 2021]
- Uversky, V. N., Albar, A. H., Khan, R. H., & Redwan, E.M. (2021). Multifunctionality and intrinsic disorder of royal jelly proteome. In *Proteomics* (Vol. 21, Issue 6). John Wiley and Sons Inc. Tersedia di <https://doi.org/10.1002/pmic.202000237>. [Diakses 15 Mei 2021]
- Virgiliou, C., Kanelis, D., Pina, A., Gika, H., Tananaki, C., Zotou, A., & Theodoridis, G. (2020). A targeted approach for studying the effect of sugar bee feeding on the metabolic profile of Royal Jelly. *Journal of Chromatography A*, 1616. Tersedia di <https://doi.org/10.1016/j.chroma.2019.460783>. [Diakses 14 September 2021]
- World Health Organization (WHO). (2020). Coronavirus disease (COVID-19) Global epidemiological situation. *APP.WHO*. Tersedia di <https://apps.who.int/iris/handle/10665/333905>. [Diakses 11 September 2021]
- World Health Organization Indonesia (WHO). (2020). *Indonesia: WHO Coronavirus Disease (COVID-19)*. Tersedia di <https://covid19.who.int/region/searo/country/id>. [Diakses 11 September 2021]
- Yang, L., Liu, S., Liu, J., Zhang, Z., Wan, X., Huang, B., Chen, Y., & Zhang, Y. (2020). COVID-19: immunopathogenesis and Immunotherapeutics. In *Signal Transduction and Targeted Therapy* (Vol. 5, Issue 1). Springer Nature. Tersedia di <https://doi.org/10.1038/s41392-020-00243-2>. [Diakses 27 Juli 2021]
- Yazdanpanah, F., Hamblin, M. R., & Rezaei, N. (2020). The immune system and COVID-19: Friend or foe? In *Life Sciences* (Vol. 256). Elsevier Inc. Tersedia di <https://doi.org/10.1016/j.lfs.2020.117900>. [Diakses 23 Agustus 2021]
- Yuliana. (2020). *Wellness And Healthy Magazine Corona virus diseases (Covid. 2(1)*,

187. Tersedia di <https://wellness.journalpress.id/wellness>. [Diakses 17 Juli 2021]

Yulianti, R., Pramono, A., Citra Pradana, D. L., & Sahlan, M. (2020). The effectiveness of tetragonola honey combinations Aff.biroi and royal jelly as immunomodulators: immunomodulators modelling in facing the plague of COVID-19. *Jurnal Profesi Medika: Jurnal Kedokteran Dan Kesehatan*, 14(1–2). Tersedia di <https://doi.org/10.33533/jpm.v14i1-2.2046> . [Diakses 18 September 2021]