DAFTAR PUSTAKA

Agussalim *et al.* (2020) "The honey and propolis production from indonesian stingless bee: *Tetragonula laeviceps*," *Livestock Research For Rural Development.* 32(121). Tersedia pada: http://www.lrrd.org/lrrd32/8/agus32121.html (Diakses: 19 Juni 2021).

Ahmad, S. *et al.* (2020) "New insights into the biological and pharmaceutical properties of royal jelly," *International Journal of Molecular Sciences*, 21(2). doi:10.3390/ijms21020382.

Al-Ghamdi, A. *et al.* (2019) "Comparison of physicochemical properties and effects of heating regimes on stored *Apis mellifera* and *Apis florea* honey," *Saudi Journal of Biological Sciences*, 26(4), hal. 845–848. doi:10.1016/j.sjbs.2017.06.002.

Allen, D.A., Yaqoob, M.M. dan Harwood, S.M. (2005) "Mechanisms of high glucose-induced apoptosis and its relationship to diabetic complications," *Journal of Nutritional Biochemistry*, 16(12), hal. 705–713. doi:10.1016/j.jnutbio.2005.06.007.

Al-Jadi, A.M., Kanyan Enchang, F. dan Mohd Yusoff, K. (2014) "The effect of malaysian honey and its major components on the proliferation of cultured fibroblasts," *Turkish Journal of Medical Sciences*, 44(5), hal. 733–740. doi:10.3906/sag-1303-43.

Arora, M. (2013) "Cell culture media: a review," *Materials and Methods*, 3. doi:10.13070/MM.EN.3.175.

Bajek, A. *et al.* (2016) "Adipose-derived stem cells as a tool in cell-based therapies," *Archivum Immunologiae et Therapiae Experimentalis*, 64(6), hal. 443–454. doi:10.1007/s00005-016-0394-x.

Bigarella, C.L., Liang, R. dan Ghaffari, S. (2014) "Stem cells and the impact of ROS signaling," *Development (Cambridge)*, 141(22), hal. 4206–4218. doi:10.1242/DEV.107086.

Buranasin, P. *et al.* (2018) "High glucose-induced oxidative stress impairs proliferation and migration of human gingival fibroblasts," *PLoS ONE*, 13(8), hal. 1–19. doi:https://doi.org/10.1371/journal.pone.0201855.

Chu, D. *et al.* (2019) "Adipose tissue stem cells for therapy : an update on the progress of isolation, culture, storage, and clinical application," *Journal of Clinical Medicine*, 8(917), hal. 1–19. doi:doi:10.3390/jcm8070917.

Dahlan, M.S. (2011) *Statistik Untuk Kedokteran dan Kesehatan*, Penerbit Salemba, Jakarta.

Das, A. *et al.* (2020) "Honey-incorporated nanofibre reduces replicative

senescence of umbilical cord-derived mesenchymal stem cells," *IET Nanobiotechnology*, 14(9), hal. 870–880. doi:10.1049/iet-nbt.2019.0288.

Denu, R.A. dan Hematti, P. (2016) "Effects of oxidative stress on mesenchymal stem cell biology," *Oxidative Medicine and Cellular Longevity*, 2016. doi:10.1155/2016/2989076.

Dhifanra, M.A. (2020) "Uji efek lama waktu kultur di media DMEM bebas serum dengan penambahan madu *Tetragonula sp* dan *royal jelly Apis mellifera* terhadap proliferasi sel fibroblas kulit preputium," *Tesis: Universitas Pembangunan Nasional Veteran Jakarta*.

Dorland. (2015) *Kamus Saku Kedokteran Edisi 29*, Elsevier, Singapura.

Fachrani, Q.S. *et al.* (2021) "The effect of Indonesian honey *Tetragonula sp*. and Indonesian royal jelly *apis mellifera* (*Ceiba pentandra*) to human preputium cell proliferation in serum-free DMEM," *IOP Conference Series: Earth and Environmental Science*, 755(012043). doi:10.1088/1755-1315/755/1/012043.

Gstraunthaler, G., Lindl, T. dan Van Der Valk, J. (2013) "A plea to reduce or replace fetal bovine serum in cell culture media," *Cytotechnology*, 65, hal. 791–793. doi:10.1007/s10616-013-9633-8.

Hidayat M.R. (2006) "Asal lebah madu impor, *Apis mellifera* di Indonesia berdasarkan daerah intergenik Cox1/Cox2 DNA mitokondria," *Tesis*: *Institut Pertanian Bogor*, Tersedia pada: https://repository.ipb.ac.id/handle/123456789/46210 (Diakses: 3 Mei 2021).

Hu, F.L. *et al.* (2019) "Standard methods for *Apis mellifera* royal jelly research," *Journal of Apicultural Research*, 58(2), hal. 1–68. doi:10.1080/00218839.2017.1286003.

Jiang, C. min *et al.* (2018) "Anti-senescence effect and molecular mechanism of the major royal jelly proteins on human embryonic lung fibroblast (HFL-I) cell line," *Journal of Zhejiang University: Science B*, 19(12), hal. 960–972. doi:10.1631/jzus.B1800257.

Jochems, C.E.A. *et al.* (2002) "The use of fetal bovine serum: ethical or scientific problem?," *ATLA Alternatives to Laboratory Animals*, 30(2), hal. 219–227. doi:10.1177/026119290203000208.

Johnson, M. (2012) "Fetal bovine serum," *Materials and Methods*, 2(117). doi:10.13070/MM.EN.2.117.

Karina, K. *et al.* (2020) "Safety of technique and procedure of stromal vascular fraction therapy: from liposuction to cell administration," *Scientifica*, 2020. doi:10.1155/2020/2863624.

Komoda, H. *et al.* (2009) "Reduction of n-glycolylneuraminic acid xenoantigen on human adipose tissue-derived stromal cells/mesenchymal stem cells

leads to safer and more useful cell sources for various stem cell therapies," *https://home.liebertpub.com/tea*, 16(4), hal. 1143–1155. doi:10.1089/TEN.TEA.2009.0386.

Li, Y.M. *et al.* (2007) "Effects of high glucose on mesenchymal stem cell proliferation and differentiation," *Biochemical and Biophysical Research Communications*, 363(1), hal. 209–215. doi:10.1016/J.BBRC.2007.08.161.

McKee, C. dan Chaudhry, G.R. (2017) "Advances and challenges in stem cell culture," *Colloids and Surfaces B: Biointerfaces*, 159, hal. 62–77. doi:10.1016/j.colsurfb.2017.07.051.

Miana, V.V. dan Prieto González, E.A. (2018) "Adipose tissue stem cells in regenerative medicine," *Ecancermedicalscience*, 12(822), hal. 1–14. doi:10.3332/ecancer.2018.822.

Mohamad, M.A.M. *et al.* (2019) "The effect of Malaysian stingless bee, *Trigona spp*. honey in promoting proliferation of the undifferentiated stem cell," *Asia-Pacific Journal of Molecular Biology and Biotechnology*, 27(1), hal. 10–19. doi:10.35118/apjmbb.2019.027.1.02.

Musa, M., Nasir, N.F.M. dan Thirumulu, K.P. (2014) "Evaluation of royal jelly as an alternative to fetal bovine serum in cell culture using cell proliferation assays and live cell imaging," *African journal of traditional, complementary, and alternative medicines : AJTCAM / African Networks on Ethnomedicines*, 11(1), hal. 148–155. doi:10.4314/ajtcam.v11i1.23.

Nagy, T. *et al.* (2019) "Hyperglycemia-induced aberrant cell proliferation; a metabolic challenge mediated by protein o-GlcNAc modification," *Cells*, 8(999). doi:10.3390/cells8090999.

Pasupuleti, V.R. *et al.* (2017) "Honey, propolis, and royal jelly: a comprehensive review of their biological actions and health benefits," *Oxidative Medicine and Cellular Longevity*, 2017. doi:10.1155/2017/1259510.

Piletz, J.E. *et al.* (2018) "Human cells grown with or without substitutes for fetal bovine serum," *Cell Medicine*, 10, hal. 1–11. doi:10.1177/2155179018755140.

Pramono, A. *et al.* (2019) "Immense addition of royal jelly *Apis mellifera* (*Ceiba pentandra*) insufficient to increase fibroblast preputium proliferation," *IOP Conference Series: Materials Science and Engineering*, 508(1). doi:10.1088/1757-899X/508/1/012145.

Rantam, F.A. *et al.* (2020) "A potential differentiation of adipose and hair follicle-derived mesenchymal stem cells to generate neurons induced with EGF, FGF, PDGF and forskolin," *Research Journal of Pharmacy and Technology*, 13(1), hal. 275–281. doi:10.5958/0974-360X.2020.00056.6.

Riss, T.L. *et al.* (2016) "Cell viability assays," *Assay Guidance Manual* [Preprint]. Tersedia pada: https://www.ncbi.nlm.nih.gov/books/NBK144065/ (Diakses:

26 Mei 2021).

Samarghandian, S., Farkhondeh, T. dan Samini, F. (2017) "Honey and health: a review of recent clinical research," *Pharmacognosy Research*, 9(2), hal. 121–127. doi:10.4103/0974-8490.204647.

Sastroasmoro S. (2011) *Dasar – dasar Metodologi Penelitian Klinis Edisi 4*, Sagung Seto, Jakarta.

Shafira, M. *et al.* (2019) "High *Tetragonula sp* honey addition reduce cell proliferation on fibroblast preputium culture," *IOP Conference Series: Materials Science and Engineering*, 508(1). doi:10.1088/1757-899X/508/1/012146.

Stolzing, A., Coleman, N. dan Scutt, A. (2006) "Glucose-induced replicative senescence in mesenchymal stem cells," *https://home.liebertpub.com/rej*, 9(1), hal. 31–35. doi:10.1089/REJ.2006.9.31.

Subowo. (2015) *Biologi Sel Edisi 7*, Sagung Seto, Jakarta.

Syahidah, H.N. dan Hadisaputri, Y.E. (2016) "Review artikel: media yang digunakan pada kultur sel," *Farmaka*, 14(3), hal. 27–36. Tersedia pada: http://jurnal.unpad.ac.id/farmaka/article/view/10615.

Tsuji, W., Rubin, J.P. dan Marra, K.G. (2014) "Adipose-derived stem cells: implications in tissue regeneration," *World Journal of Stem Cells*, 6(3), hal. 312. doi:10.4252/wjsc.v6.i3.312.

Van Tonder, A., Joubert, A.M. dan Cromarty, A.D. (2015) "Limitations of the 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl-2h-tetrazolium bromide (MTT) assay when compared to three commonly used cell enumeration assays," *BMC Research Notes*, 8(47), hal. 1–10. doi:10.1186/s13104-015-1000-8.

National Honey Report (2022). Vol. XLII(5). St. Louis: United States Department of Agriculture

Weil, B.R. *et al.* (2009) "High glucose concentration in cell culture medium does not acutely affect human mesenchymal stem cell growth factor production or proliferation," *Am J Physiol Regul Integr Comp Physiol*, 296, hal. 1735–1743. doi:10.1152/ajpregu.90876.2008.-Optimizing.

Widowati, R. (2020) *Karakteristik Kimia Madu stinglessbee Tetragonula sapiens Sebagai Penghambat Sel kanker, Universitas Nasional*. Tersedia pada: http://unas.ac.id/717/.

Wulandari, L.Y. (2019) "Ulasan pustaka : sel punca adiposa sebagai alternatif terapi penyakit neurodegeneratif," *Jurnal Farmasi Malahayati*, 2(2), hal. 175–185.

Zakrzewski, W. *et al.* (2019) "Stem cells: past, present, and future," *Stem Cell Research and Therapy*. BioMed Central Ltd. doi:10.1186/s13287-019-1165-5.

Zhu, M. *et al.* (2013) "Manual isolation of adipose-derived stem cells from human lipoaspirates," *JoVE (Journal of Visualized Experiments)*, (79), hal. e50585. doi:10.3791/50585.