DAFTAR PUSTAKA

Abrar, S., Muhammad, K., Zaman, H., Khan, S., Nouroz, F., & Bibi, N. (2017). Molecular genetic analysis of Type II diabetes associated m.3243A>G mitochondrial DNA mutation in a Pakistani family. *The Egyptian Journal of Medical Human Genetics*, *18*(3), 305–308. https://doi.org/10.1016/j.ejmhg.2016.12.001

Al-Ghadban, S., & Bunnell, B. A. (2020). Adipose tissue-derived stem cells: Immunomodulatory effects and therapeutic potential. *Physiology*, *35*(2), 125–133. https://doi.org/10.1152/physiol.00021.2019

Ang, S. L., Shaharuddin, B., Chuah, J. A., & Sudesh, K. (2020). Electrospun poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)/silk fibroin film is a promising scaffold for bone tissue engineering. *International Journal of Biological Macromolecules*, *145*, 173–188. https://doi.org/10.1016/j.ijbiomac.2019.12.149

Asadian, M., Chan, K. V., Norouzi, M., Grande, S., Cools, P., Morent, R., & De Geyter, N. (2020). Fabrication and Plasma Modification of Nanofibrous Tissue Engineering Scaffolds. *Nanomaterials*, *10*(1), 1–61. https://doi.org/10.3390/nano10010119

Bacakova, L., Zarubova, J., Travnickova, M., Musilkova, J., Pajorova, J., Slepicka, P., Kasalkova, N. S., Svorcik, V., Kolska, Z., Motarjemi, H., & Molitor, M. (2018). *Stem cells: their source, potency and use in regenerative therapies with focus on adipose-derived stem cells – a review*. Elsevier. https://doi.org/https://doi.org/10.1016/j.biotechadv.2018.03.011

Bansal, R., Rakshit, S., Han, W., & Kumar, S. (2021). Modulation of Apoptosis Pathways in the Biology and Treatment of Multiple Myeloma. *Oncology & Haematology*, *17*(1), 48–54. https://doi.org/10.17925/ohr.2021.17.1.48

Bartow, M. J., & Raggio, B. S. (2023). *Liposuction*. National Center for Biotechnology Information. https://www.ncbi.nlm.nih.gov/books/NBK563135/

Berridge, M. J. (2014). Module 9: Cell Cycle and Proliferation. *Cell Signalling Biology*, 1–45. https://doi.org/10.1042/csb0001009

Bhattacharjee, P., Kundu, B., Naskar, D., Kim, H.-W., Maiti, T. K., Bhattacharya, D., & Kundu, S. C. (2017). Silk scaffolds in bone tissue engineering: An overview. In *Acta Biomaterialia* (pp. 1–17). Elsevier. https://doi.org/https://doi.org/10.1016/j.actbio.2017.09.027

Börzsönyi, B., Csaba, D., Rigó Jr, J., Szentpéteri, I., Rab, A., & Joó, J. G. (2013). *The regulation of apoptosis in intrauterine growth restriction: a study of Bcl-2 and Bax gene expression in human placenta*. Taylor & Francis Online. https://doi.org/https://doi.org/10.3109/14767058.2012.733770

Brave, H., & Macloughlin, R. (2020). State of the Art Review of Cell Therapy in the Treatment of Lung Disease, and the Potential for Aerosol Delivery. *International Journal of Molecular Sciences*, *21*, 1–37. https://doi.org/10.3390/ijms21176435

Carpenter, R., & Brady, M. F. (2023). *BAX Gene*. National Center for Biotechnology Information.

https://www.ncbi.nlm.nih.gov/books/NBK555927/

Dang, T., Bodaghi, S., Osman, F., Wang, J., Rucker, T., Tan, S. H., Huang, A., Pagliaccia, D., Comstock, S., Lavagi-Craddock, I., Gadhave, K. R., Quijia-Lamina, P., Mitra, A., Ramirez, B., Uribe, G., Syed, A., Hammado, S., Mimou, I., Campos, R., … Vidalakis, G. (2022). A comparative analysis of RNA isolation methods optimized for high-throughput detection of viral pathogens in California's regulatory and disease management program for citrus propagative materials. *Frontiers in Agronomy*, *4*(August), 1–17. https://doi.org/10.3389/fagro.2022.911627

Diwanji, N., & Bergmann, A. (2018). An unexpected friend − ROS in apoptosis-induced compensatory proliferation: Implications for regeneration and cancer. *Seminars in Cell and Developmental Biology*, *80*, 74–82. https://doi.org/10.1016/j.semcdb.2017.07.004

Dwivedi, R., Pandey, R., Kumar, S., & Mehrotra, D. (2020). Poly hydroxyalkanoates (PHA): Role in bone scaffolds. *Elsevier Journal of Oral Biology and Craniofacial Research*, *10*(1), 389–392. https://doi.org/10.1016/j.jobcr.2019.10.004

El-Kadiry, A. E. H., Rafei, M., & Shammaa, R. (2021). Cell Therapy: Types, Regulation, and Clinical Benefits. *Frontiers in Medicine*, *8*, 1–24. https://doi.org/10.3389/fmed.2021.756029

Eltom, A., Zhong, G., & Muhammad, A. (2019). Scaffold Techniques and Designs in Tissue Engineering Functions and Purposes: A Review. *Hindawi Advances in Materials Science and Engineering*, 1–13. https://doi.org/10.1155/2019/3429527

Fitriyana, N. (2020). Karakteristik Scaffold Dental Gipsum Hidroksiapatit (DGHA) dengan Kombinasi Silk Fibroin (SF) dan Gelatin (dengan Metode Freeze Drying). In *Digital Repository Universitas Jember*.

Fogarty, C. E., & Bergmann, A. (2017). Killers creating new life: Caspases drive apoptosis-induced proliferation in tissue repair and disease. *Cell Death and Differentiation*, *24*(8), 1390–1400. https://doi.org/10.1038/cdd.2017.47

Fogarty, C. E., Diwanji, N., Lindblad, J. L., Tare, M., Amcheslavsky, A., Makhijani, K., Brückner, K., Fan, Y., & Bergmann, A. (2016). Extracellular Reactive Oxygen Species Drive Apoptosis-Induced Proliferation via Drosophila Macrophages. *Current Biology*, *26*(5), 575–584. https://doi.org/10.1016/j.cub.2015.12.064

Fu, J. N., Wang, X., Yang, M., Chen, Y. R., Zhang, J. Y., Deng, R. H., Zhang, Z. N., Yu, J. K., & Yuan, F. Z. (2022). Scaffold-Based Tissue Engineering Strategies for Osteochondral Repair. *Frontiers in Bioengineering and Biotechnology*, 1–21. https://doi.org/10.3389/fbioe.2021.812383

Guo, W., Yang, K., Qin, X., Luo, R., Wang, H., & Huang, R. (2022). Polyhydroxyalkanoates in tissue repair and regeneration. In *Engineered Regeneration* (pp. 24–40). ScienceDirect. https://doi.org/https://doi.org/10.1016/j.engreg.2022.01.003

Harahap, M., Sulardiono, B., & Suprapto, D. (2018). Analisis Tingkat Kematangan Gonad Teripang Keling (Holothuria atra) di Perairan Menjangan Kecil, Karimunjawa. *Journal of Maquares*, *7*(3), 263–269. http://www.tfd.org.tw/opencms/english/about/background.html%0Ahttp://dx.doi.org/10.101

6/j.cirp.2016.06.001%0Ahttp://dx.doi.org/10.1016/j.powtec.2016.12.055%0Ahttps://doi.org/10.1016/j.ijfatigue.2019.02.006%0Ahttps://doi.org/10.1016/j.matlet.2019.04.024%0A

Hidayat, R., & Hayati, L. (2020). Regulation of Cell Cycle. *Biomedical Journal of Indonesia*, *6*(3), 84–90. https://doi.org/10.32539/BJI.v6i3.5

Izzati, N. N. (2023). *Analisis Ekspresi Gen Bax sebagai Pro-Apoptosis pada Kultur Sen Punca Adiposa Mesenkimal dengan Penambahan Madu (Tetragonula sp.) dan Royal Jelly (Apis mellifera)*. Universitas Pembangunan Nasional Veteran Jakarta.

Kamiloglu, S., Sari, G., Ozdal, T., & Capanoglu, E. (2020). Guidelines for cell viability assays. *Food Frontiers*, *1*(3), 332–349. https://doi.org/10.1002/fft2.44

Li, G., & Sun, S. (2022). Silk Fibroin-Based Biomaterials for Tissue Engineering Applications. *Molecules*, *27*(9), 1–24. https://doi.org/10.3390/molecules27092757

Li, J., Zhang, X., Udduttula, A., Fan, Z. S., Chen, J. H., Sun, A. R. J., & Zhang, P. (2021). Microbial-Derived Polyhydroxyalkanoate-Based Scaffolds for Bone Tissue Engineering: Biosynthesis, Properties, and Perspectives. *Frontiers in Bioengineering and Biotechnology*, *9*, 1–17. https://doi.org/10.3389/fbioe.2021.763031

Meshorer, E. (2020). *What Are Embryonic Stem Cells and How Can They Help Us?* Frontiers. https://doi.org/10.3389/frym.2020.00032

Miana, V. V., & González, E. A. P. (2018). Adipose tissue stem cells in regenerative medicine. *Ecancermedicalscience*, *12*, 1–14. https://doi.org/10.3332/ecancer.2018.822

Muliani. (2016). Siklus Sel. In *Fakultas Kedokteran Universitas Udayana*.

Mushahary, D., Spittler, A., Kasper, C., Weber, V., & Charwat, V. (2017). Isolation, cultivation, and characterization of human mesenchymal stem cells. *Cytometry Part A*, *93*(1), 19–31. https://doi.org/10.1002/cyto.a.23242

Ngoc Ha, G., Thi Tuyet Trinh, T., Xuan Truyen, N., Van Tien, H., & Hoai Lam, T. (2019). Affordable Method for Water Contact Angle Measurement. *Tạp Chí Khoa Học Công Nghệ và Thực Phẩm*, *19*(1), 11–18.

Noviantari, A., & Khariri. (2020). Ragam Penelitian Dan Pengembangan Isolasi Dan Kultur Sel Punca Mesenkim dari Berbagai Sumber. *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia*, *6*(1), 611–618. https://doi.org/10.13057/psnmbi/m060122

Oravcová, J., & Labašová, E. (2022). The analysis of surface roughness of the samples produced by 3D printing. *Journal of Physics: Conference Series*, *2413*(1). https://doi.org/10.1088/1742-6596/2413/1/012010

Protogerou, V., Michalopoulos, E., Mallis, P., Gontika, I., Dimou, Z., Liakouras, C., Stavropoulos-Giokas, C., Kostakopoulos, N., Chrisofos, M., & Deliveliotis, C. (2019). Administration of Adipose Derived Mesenchymal Stem Cells and Platelet Lysate in Erectile Dysfunction: A Single Center Pilot Study. *Bioengineering*, *6*(1). https://doi.org/10.3390/bioengineering6010021

Qian, S., Wei, Z., Yang, W., Huang, J., Yang, Y., & Wang, J. (2022). The role of BCL-2 family

proteins in regulating apoptosis and cancer therapy. *Frontiers in Oncology*, 1–16. https://doi.org/10.3389/fonc.2022.985363

Rahardianti, R., & Nur, E. M. (2017). Akurasi Metode Real PCR untuk Analisa Ekspresi Gen PmVRP15. *Balai Besar Perikanan Budidaya Air Payau Jepara*, 1–166.

Rantam, F. A., Ferdiansyah, & Purwati. (2014). STEM CELL : Mesenchymal, Hematopoetik, dan Model Aplikasi. In *Airlangga University Press* (pp. 93–102).

Rao, X., Huang, X., Zhou, Z., & Lin, X. (2013). An improvement of the 2ˆ(-delta delta CT) method for quantitative real-time polymerase chain reaction data analysis. *National Center for Biotechnology Information*, *3*(3), 1–13. http://www.ncbi.nlm.nih.gov/pubmed/25558171%0Ahttp://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=PMC4280562

Rehman, I., Gulani, A., Farooq, M., & Simpson, B. (2023). *Genetics, Mitosis*. National Center for Biotechnology Information. https://www.ncbi.nlm.nih.gov/books/NBK482449/

Rosadi, I., Karina, K., Rosliana, I., Sobariah, S., Afini, I., Widyastuti, T., & Barlian, A. (2019). In vitro study of cartilage tissue engineering using human adipose-derived stem cells induced by platelet-rich plasma and cultured on silk fibroin scaffold. *Stem Cell Research and Therapy*, *10*(1), 1–15. https://doi.org/10.1186/s13287-019-1443-2

Rosadi, I., Karina, K., Wahyuningsih, K. A., Rosliana, I., Widyastuti, T., Sobariah, S., Afini, I., & Barlian, A. (2020). Kondrogenesis Adipose-Derived Stem Cells Menggunakan Platelet-Rich Plasma Pada Scaffold Sutra. *Al-Kauniyah: Jurnal Biologi*, *13*(1), 31–38. https://doi.org/10.15408/kauniyah.v13i1.12053

Rosadi, I., Wahyuningsih, K. A., Barlian, A., Rosliana, I., Widyastuti, T., Sobariah, S., & Afini, I. (2020). Biokompatibilitas Scaffold Sutera Asal Bombyx mori Ukuran Pori 100µm terhadap Adipose-Derived Stem Cells (ADSCs) yang Dikultur pada Berbagai Medium Pertumbuhan. *Jurnal Biologi Udayana*, *24*(1), 7–15.

Ryter, S. ., & Choi, A. M. . (2014). Cell Death and Repair in Lung Disease. In *Pathobiology of Human Disease* (pp. 2558–2574). Elsevier. https://doi.org/https://doi.org/10.1016/B978-0-12-386456-7.05302-8

Sahetapi, C. M., Luhulima, J. M. M., Simatupang, A., Wiyanto, M., Purba, J. S., Fkuki, D. N., Biomedik, D., & Fkuki, D. (2014). Apoptosis on Neurodegenerative Disorder. *Majalah Kedokteran UKI*, *XXX*(1), 37–41.

Sari, L. M. (2018). Apoptosis: Mekanisme Molekuler Kematian Sel. *Cakradonya Dental Journal*, *10*(2), 65–70. https://doi.org/10.24815/cdj.v10i2.11701

Sastroasmoro, S. (2016). *Dasar-Dasar Metodologi Penelitian Klinis*.

Sun, L., Wei, L., Wei, L., & Li, D. (2018). Correlation between Bax Gene Polymorphisms and Esophagus Cancer. *Oncology Letters*, *16*, 7097–7101. https://doi.org/10.3892/ol.2018.9511

Teresa, U. M., & Mejía, G. C. (2021). *Proliferation in Cancer*. 149–162.

Thiagarajan, P. S., & Reizes, O. (2016). *Chapter 16 - Adipose Tissue-Derived Stem Cells in*

Regenerative Medicine and Impact on Cancer. ScienceDirect. https://doi.org/https://doi.org/10.1016/B978-0-12-803892-5.00016-4

Wang, Y. hao, Guo, Y. chen, Wang, D. ri, Liu, J. yuan, & Pan, J. (2019). Adipose Stem Cell-Based Clinical Strategy for Neural Regeneration: A Review of Current Opinion. *Hindawi Stem Cells International*, *2019*. https://doi.org/10.1155/2019/8502370

Watuguly, T. W., & Samsuria, I. K. (2018). *Aspek Dasar Molekular Proliferasi dan Apoptosis*. Alfabeta.

Widyarini, T. (2017). *Pengaruh Ekstrak Ethanol Propolis terhadap Penurunan Ekspresi Cyclin D1 dan Peningkatan Apoptosis pada Kultur Sel Kanker Payudara*. Universitas Sebelas Maret.

Xu, X., Lai, Y., & Hua, Z. C. (2019). Apoptosis and apoptotic body: Disease message and therapeutic target potentials. *Bioscience Reports*, *39*(1), 1–17. https://doi.org/10.1042/BSR20180992

Yao, D., Liu, H., & Fan, Y. (2016). Silk scaffolds for musculoskeletal tissue engineering. *Experimental Biology and Medicine*, *241*, 238–245. https://doi.org/10.1177/1535370215606994

Yu, L., Zhu, G., Zhang, Z., Yu, Y., Zeng, L., Xu, Z., Weng, J., Xia, J., Li, J., & Pathak, J. L. (2023). Apoptotic bodies: bioactive treasure left behind by the dying cells with robust diagnostic and therapeutic application potentials. *Journal of Nanobiotechnology*, *21*(1), 1–26. https://doi.org/10.1186/s12951-023-01969-1

Zakrzewski, W., Dobrzyński, M., Szymonowicz, M., & Rybak, Z. (2019). Fuel Cells: Past, Present and Future. *Stem Cell Research and Therapy*, *10*, 1–22. https://doi.org/10.1541/ieejfms.128.329

Zhang, J., Liu, Y., Chen, Y., Yuan, L., Liu, H., Wang, J., Liu, Q., & Zhang, Y. (2020). Adipose-Derived Stem Cells: Current Applications and Future Directions in the Regeneration of Multiple Tissues. *Hindawi Stem Cells International*, *2020*, 1–26. https://doi.org/10.1155/2020/8810813

Zhu, Y.-S., & Zhu, J. (2022). Chapter Four - Molecular and cellular functions of long non-coding RNAs in prostate and breast cancer. In *Advances in Clinical Chemistry* (pp. 91–179). https://doi.org/https://doi.org/10.1016/bs.acc.2021.09.005