

DAFTAR PUSTAKA

- Aughey, E. dan Frye, F. L. 2001. *Comparative Veterinary Histology with Clinical Correlates*. Manson Publishing. London. 15 – 16, 40 – 43.
- Bapat, S., Hubbard, D., Munjal, A., Hunter, M., dan Fulzele, S. 2018. Pros and cons of mouse models for studying osteoarthritis. *Clinical and translational medicine* 7(1): 1 – 13.
- Bhosale, A.M., dan Richardson, J. 2008. Articular cartilage: structure, injuries, and review of management. *British Medical Bulletin* 87: 77 – 79.
- Colville, T. dan Bassert, J. M. 2016. *Clinical Anatomy and Physiology for Veterinary Technicians 3rd ed.* Elsevier. Missouri. 204 – 207.
- Cooper, C., Chapurlat, R., Al-Daghri, N., Herrero-Beaumont, G., Bruyere, O., Rannou, F., Roth, R., Uebelhart, D., dan Reginster, J. -Y. 2019. Safety of Oral Non-Selectibe Non-Steroidal Anti-Inflammatory Drugs in Osteoarthritis: What Does the Literature Say?. *Drugs and Aging*. 36(1): 15 – 24.
- Eleuteri, S. dan Fierabracci, A. 2019. Insights into the Secretome of Mesenchymal Stem Cells and Its Potential Applications. *International Journal of Molecular Sciences*. 20(18): 1 – 22.
- Exbrayat, J.-M. 2016. *Microscopy: Light Microscopy and Histochemical Methods. Encyclopedia of Food and Health*. Elsevier. Burlington. 715 – 723.
- Fawcett, D. W. 2002. *Buku Ajar Histologi*. EGC. Jakarta. 178.
- Hadipour-Jahromy, M dan Mozaffari-Kerman, R. 2010. Chondroprotective Effects of Pomegranate Juice on Monoiodoacetate-induced Osteoarthritis of the Knee Joint of Mice. *Phytotherapy Research..* 24(2): 182 – 185.
- Hsu, H. dan Siwec, R. M. Knee Osteoarthritis https://www.ncbi.nlm.nih.gov/books/NBK507884/#_NBK507884_pubdet
Diakses pada tanggal 6 Januari 2022
- Kim, J. K, Park, S. W., Kang, J. W., Kim, Y. J., Lee, S. Y., Shin, J., Lee, S., dan Lee, S. M. 2012. Effect of GCSB-5, a Herbal Formulation, on Monosodium Iodoacetate-Induced Osteoarthritis in Rats. *Evidence-Based Complementary and Alternative Medicine* 2012: 1 – 11.
- Kuyinu, E. L., Narayanan, G., Nair, L. S., dan Laurencin, C. T. 2016. Animal models of osteoarthritis: classification, update, and measurement of outcomes. *Journal of Orthopaedic Surgery and Research* 11(19) : 1 – 27.

- Lee, W. S., Kim, H. J., Kim, K.I., Kim, G. B., dan Jin, W. Intra-Articular Injection of Autologous Adipose Tissue-Derived Mesenchymal Stem Cells for the Treatment of Knee Osteoarthritis: A Phase IIb, Randomized, Placebo-Controlled Clinical Trial. *STEM CELLS Translational Medicine* 8(6): 504 – 511.
- Li, G., Yin, J., Gao, J., Cheng, T. S., Nathan, J. P., Zhang, C., Zheng, M. H. 2013. Subchondral bone in osteoarthritis: insight into risk factors and microstructural changes. *Arthritis Research and Therapy* 15(223): 1 – 12
- Lockwood, S. M., Lopes, D. M., McMahon, S. B., dan Dickenson, A. H. 2019. Characterization of peripheral and central components of the rat monoiodoacetate model of Osteoarthritis. *Osteoarthritis and Cartilage* 27(4): 712 – 722.
- Mahajan, A. dan Bhattacharyya, S. 2020. Application of mesenchymal stem cell and secretome for combating mortality and morbidity in COVID-19 patients: A brief review. *Biomedical journal*. 44(1): 63 – 73.
- Mancuso, P., Raman, S., Glynn, A., Barry, F., dan Murphy, M. 2019. Mesenchymal Stem Cell Therapy for Osteoarthritis: the Critical Role of the Cell Secretome. *Frontiers in Bioengineering and Biotechnology*. 7(9): 1 – 9.
- McCoy, A. M. 2015. Animal Models of Osteoarthritis: Comparisons and Key Considerations. *Veterinary Pathology*. 52(5): 803 – 818.
- Mitchell, M. G. 2018. *Molecular Pathology and the Dynamics of Disease*. Elsevier. San Diego. 135.
- Mushahary, D., Spittler, A., Kasper, C., Weber, V., dan Charwat, V. 2018. Isolation, cultivation, and characterization of human mesenchymal stem cells. *Cytometry Part A*. 93 (1): 19 – 31.
- Nugroho, S. W., Dwi, L. K., Heru, S., Ida, F., Guntari, T. M., Yuda H. F., Aris, H., dan Teguh, B. 2016. The structural and functional recovery of pancreatic β -cells in type 1 diabetes mellitus induced mesenchymal stem cell conditioned medium. *Veterinary World*. 9(5) : 535 – 539.
- Orita S., Ishikawa, T., Miyagi, M., Ochiai, N., Inoue, G., Eguchi, Y., Kamoda. H., Arai, G., Toyoe, T., Aoki, Y., Kubo, T., Takahashi, K., dan Ohtori, S. 2011. Pain-related sensory innervation in monoiodoacetate-induced osteoarthritis in rat knees gradually develops neuronal injury in addition to inflammatory pain. *BMC Musculoskeletal Disorders* 12 : 1 – 12.
- Palamá, M. E. F., Shaw, G. M., Carluccio, S., Reverberi, D., Sercia, L., Persano, L., Pisignano, D., Cortese, K., Barry, F. P., Murphy, J. M., dan Gentili, C. 2020.

The Secretome Derived From Mesenchymal Stromal Cells Cultured in a Xeno-Free Medium Promotes Human Cartilage Recovery in vitro. *Frontiers in Bioengineering and Biotechnology*. 8: 1 – 21.

Pajer K, Bellák T, dan Nógrádi A. 2021. Stem Cell Secretome for Spinal Cord Repair: Is It More than Just a Random Baseline Set of Factors? *Cells*. 10(11) : 1 – 18.

Pratiwi, A. I. 2015. Diagnosis and Treatment Osteoarthritis. *J Majority*. 4(4): 10 – 17.

Pawitan, J.A. 2014. Prospect of Stem Cell Conditioned Medium in Regenerative Medicine. *Biomedical Research International* 2014: 1 – 14.

Prihatno, S. A., Padeta, I., Larasati, A. D., Sundari, B., Hidayati, A. Fibriyanto, Y. H., dan Budipitojo, T. 2018. Effects of secretome on cisplatin-induced testicular dysfunction in rats. *Veterinary World*. 11(9): 1349 – 1356.

Pritzker, K. P. H., Gay, S., Jimenez, S. A., Ostergaard, K., Pelletier, J-P., Revell, P.A., Salter, D., Path, F. R. C., dan van den Berg, W. B. 2006. Osteoarthritis cartilage histopathology: grading and staging. *Osteoarthritis and Cartilage* 14(1) : 13 – 29.

Qian, W., Su, Y., Zhang, Y., Yao, N., Gu, N., Zhang, X., dan Yin, H. Secretome analysis of rat osteoblasts during icariin treatment induced osteogenesis. *Molecular medicine reports*. 17: 6515 – 6525.

Raihanah, C., Mahyani, N., dan Kintoko. 2019. Diabetic Wound Healing Biosurfactants Dialkyl Alginate Cream on TNF- α TGF- β Expression, Reepithelization, and Collagenization. *Jurnal Ilmu Kefarmasian Indonesia*. 17(1): 72 – 80.

Rhatomy, S., Prasetyo, T. E., Setyawan, R., Soekarno, N. R., Romaniyanto, F. N. U., Sedjati, A. P. Sumarwoto, T., Utomo, D. N., Suroto, H., Mahyudin, F., dan Prakoeswa, C. R. S. 2020. Prospect of stem cells conditioned medium (secretome) in ligament and tendon healing: A systematic review. *STEM CELLS Translational Medicine* 9: 895 – 902.

Ross, M. H. & Pawlina, W. 2015. *Histology: A Text and Atlas with Correlated Cell and Molecular Biology* 7th ed. Wolters Kluwer Health. Philadelphia. 194 – 207.

Sandra, F., Sudiono, J., Sidharta, E.A., Sunata, E.P., Sungkono, D.J., Dirgantara, Y., dan Chouw, A. 2014. Conditioned Media of Human Umbilical Cord Blood Mesenchymal Stem Cell-derived Secretome Induced Apoptosis and Inhibited Growth of HeLa Cells. *The Indonesian Biomedical Journal*. 2014; 6(1): 57 – 62.

- Sanchez, C., Bay-Jensen, A. -C., Pap, T., Dvir-Ginzberg, M., Quasnicka, H., Barret-Jolley, R. Mobasheri, A., dan Henrotin, Y. 2017. Chondrocytes secretome: a source of novel insights and exploratory biomarkers of osteoarthritis. *Osteoarthritis and Cartilage* 18(8): 1199 – 1209.
- Soetjahjo, B., Hidayat, M., Suyuti, H., Fibrianto, Y. H. 2017. Immunohistochemistry Evaluation of TGF-B1, SOX-9, Type II Collagen, and Aggrecan in Cartilage Lesions Treated with Conditioned Medium of Umbilical Cord Mesenchymal Stem Cells in Wistar Mice (*Rattus norvegicus*). *The Journal of Tropical Life Science*. 8(1): 21 –27.
- Suvarna, S. K., Layton, C., dan Bancroft, J. D. 2019. *Bancroft's Theory and Practice of Histological Techniques*. 8th ed. Elsevier. London. 165 – 166.
- Takahashi, I., Matsuzaki, T., Kuroki, H., dan Hosoi, M. 2018. Induction of osteoarthritis by injecting monosodium iodoacetate into the patellofemoral joint of an experimental rat model. *PLoS ONE* 13(4): 1 – 15.
- Udo, M., Muneta, T., Tsuji, K., Ozeki, N., Nakagawa, Y., Ohara, T., Saito, R., Yanagisawa, K., Koga, H., dan Sekiya, I. 2016. Monoiodoacetic acid induces arthritis and synovitis in rats in a dose- and time-dependent manner: proposed model-specific scoring. *Osteoarthritis and Cartilage* 24(7): 1-8.
- Valente, J. S. 2019. The Pharmacology of Pain Associated With the Monoiodoacetate Model of Osteoarthritis. *Frontiers in Pharmacology* 10: 1 – 8.
- Vawda, R., Soubeyrand, M., Zuccato, J.A., dan Fehlings, M.G. 2014. *Spinal Cord Injury and Regeneration: A Critical Evaluation of Current and Future Therapeutic Strategies*. *Pathobiology of Human Disease: A Dynamic Encyclopedia of Disease Mechanisms*. Elsevier. London. 603.
- Vizoso, F. J., Eiro, N., Cid, S., Schneider, J., dan Perez-Fernandez, R. 2017. Mesenchymal Stem Cell Secretome: Toward Cell-Free Therapeutic Strategies in Regenerative Medicine. *International Journal of Molecular Sciences* 18: 1 – 24.
- Wołun-Cholewa, M., Szymanowski, K., Andrusiewicz M., Szczerba, A., dan Warchoł, J. B. 2010. Trichrome Mallory's stain may indicate differential rates of RNA synthesis in eutopic and ectopic endometrium. *Folia Histochemica Cytobiologica*. 148(1):148 – 152.
- Zhu, C., Wu, W., dan Xiaowen, Q. 2021. Mesenchymal stem cells in osteoarthritis therapy: a review. *Am J Trans Res* 3(2): 448 – 461.