

## DAFTAR PUSTAKA

1. Amelia V, Marlina, Sudji IR. Analysis Of Interleukin-10 Levels In Mesenchymal Stem Cell Secretome Cream With ELISA Method. *Bioteknol Biosains Indones*. 2023;10:203–210.
2. Xie F, Teng L, Xu J, Lu J, Zhang C, Yang L. Interleukin-10 Modified Bone Marrow Mesenchymal Stem Cells Prevent Hypertrophic Scar Formation By Inhibiting Inflammation. *Pharmazie*. 2020;75:571–575.
3. Pradifta R, Marlina, Lucida H. Analisis Protein Pada Medium Terkondisi Sel Punca. *J Media Kesehat*. 2021;14(2):137–145.
4. Noverina R, Widowati W, Ayuningtyas W, Rinendyaputri R, Rilianawati R, Faried A. Growth Factors Profile in Conditioned Medium Human Adipose Tissue-Derived Mesenchymal Stem. *Clin Nutr Expr*. 2019;24:34–44.
5. Wulandari D. Efek Penyembuhan Luka Bakar Dengan Film Balutan Primer Yang Mengandung Sekretom Sel Punca Terhadap Tikus Putih Jantan. Universitas Andalas; 2023.
6. Ahangar P, Mills SJ. Mesenchymal Stem Cell Secretome as an Emerging Cell-Free Alternative for Improving Wound Repair. *Int J Mol Sci*. 2020;21(19).
7. Laksmiawati D, Widowati W, Noverina R, Ayuningtyas W, Kurniawan D, Kusuma HS. Production of Inflammatory Mediators in Conditioned Medium of Adipose Tissue-Derived Mesenchymal Stem Cells (ATMSC)-Treated Fresh Frozen Plasma. *Med Sci Monit Basic Res*. 2022;28:1–7.
8. Amable PR, Vinicius M, Teixeira T, Bizon R, Carias V. Protein Synthesis And Secretion in Human Mesenchymal Cells Derived From Bone Marrow, Adipose Tissue And Wharton's Jelly. *Stem Cell Res Ther*. 2014;53:1–13.
9. King A, Balaji S, Le LD, Crombleholme TM, Keswani SG. Regenerative Wound Healing: The Role of Interleukin-10. *Adv Wound Care*. 2014;3(4):315–323.
10. Liu Y, Liu Y, Deng J, Li W, Nie X. Fibroblast Growth Factor in Diabetic Foot Ulcer: Progress and Therapeutic Prospects. *Front Endocrinol*. 2021;1–14.
11. Su Y, Xu C, Cheng W, Zhao Y, Sui L, Zhao Y. Pretreated Mesenchymal Stem Cells and Their Secretome : Enhanced Immunotherapeutic Strategies. *Int J Mol Sci*. 2023;24(2).
12. Galvão G, Hastreiter AA, Sartori T. L-Glutamine In Vitro Modulates Some Immunomodulatory Properties of Bone Marrow Mesenchymal Stem Cells. *Stem Cell Rev Reports*. 2017;13:482–490.
13. Hartono B, Evans M, Smithies O. Sel Punca: Karakteristik, Potensi dan Aplikasinya. *Kedokt Meditek*. 2016;22(60).

14. Siswanto FM, Pangkahila A. Pelatihan Fisik Seimbang Meningkatkan Aktivitas Stem Cell Endogen Untuk Anti Penuaan. *Sport Fit*. 2014;2(1):1–9.
15. Halim D, Murti H, Sandra F, Boediono A, Djuwantono T, Setiawan B. *Stem Cell: Dasar Teori& Aplikasi Klinis*. Astikawati R, editor. Jakarta: Penerbit Erlangga; 2010. 136 p.
16. Kalra K, Tomar PC. Stem Cell: Basics, Classification and Applications. *Am J Phytomedicine Clin Ther*. 2014;2(7):919–930.
17. Ota KI. Stem Cells: Past, Present and Future. *Stem Cell Res Ther*. 2019;10(69):1–22.
18. Barky AR EL, Ali EMM, Mohamed TM. Stem Cells, Classifications and their Clinical Applications. *Am J Pharmacol Ther*. 2017;1(1):1–7.
19. Moradi S, Mahdizadeh H, Tomo Š, Kim J, Harati J, Shamsavarani H, et al. Research And Therapy With Induced Pluripotent Stem Cells (iPSCs): Social, Legal, and Ethical Considerations. *Stem Cell Res Ther*. 2019;341:1–13.
20. Song N, Scholtemeijer M, Shah K. Mesenchymal Stem Cell Immunomodulation: Mechanisms and Therapeutic Potential. *Trends Pharmacol Sci*. 2020;41(9):653–664.
21. Widhiastuti SS. Aplikasi Media Terkondisi Sel Punca Mesensimal dalam Terapi Penyakit Degeneratif dan Penyembuhan Luka. *Biota J Ilm Ilmu-Ilmu Hayati*. 2020;5(1):48–60.
22. Pawitan JA. Prospect of Stem Cell Conditioned Medium in Regenerative Medicine. *Biomed Res Int*. 2014;1–14.
23. Thiagarajan PS, Reizes O. Adipose Tissue-Derived Stem Cells in Regenerative Medicine and Impact on Cancer. *Cancer Stem Cells*. Elsevier Inc.; 2016. 411–438 p.
24. Frese L, Dijkman E, Hoerstrup SP. Adipose Tissue-Derived Stem Cells in Regenerative. *Transfus Med Hemother*. 2016;43(4):268–274.
25. Bunnell BA. Adipose Tissue-Derived Mesenchymal Stem Cells. *Cells*. 2021;10.
26. Mazini L, Rochette L, Amine M, Malka G. Regenerative Capacity of Adipose Derived Stem Cells (ADSCs), Comparison with Mesenchymal Stem Cells (MSCs). *Int J Mol Sci*. 2019;20(10):1–30.
27. Khumairoh I, Puspitasari IM. *Kultur Sel*. Farmaka. 2016;14(2):98–110.
28. Andiana M. Kultur Sel Baby Hamster Kidney (BHK) Menggunakan Media Dulbecco's Modified Eagle Medium (DMEM). *Biotropic Jpurnal Trop Biol*. 2017;1(1).
29. Freshney RI. *Animal Cell Culture Guide*. In Manassas: University Blvd; 2014.
30. Han Y, Li X, Zhang Y, Han Y, Chang F, Ding J. Mesenchymal Stem Cells for Regenerative Medicine. *Cells*. 2019 Aug 13;8(8):886.
31. Damayanti RH. Mesenchymal Stem Cell Secretome for Dermatology Application: A Review. *Clin Cosmet Investig Dermatol*. 2021;1401–1412.

32. Dirja BT, Kusuma DR. Prospek Media Sel Punca Jaringan Terkondisi Sebagai Anti-Aging. *Kedokteran*. 2021;10(2):464–467.
33. Husna F. Formulasi Dan Uji Aktivitas Antioksidan Sediaan Gel Rosemary Oil Dan Kombinasi Dengan Sekretom Sel Punca Mesenkimal. 2022;
34. Teixeira FG, Salgado AJ. Mesenchymal Stem Cells Secretome: Current Trends And Future Challenges. *Neural Regen Res*. 2020;15(1):75–77.
35. Jia Q, Zhao H, Wang Y, Cen Y, Zhang Z. Mechanisms And Applications of Adipose-Derived Stem Cell-Extracellular Vesicles in The Inflammation of Wound Healing. *Front Immunol*. 2023;1–12.
36. Isakson M, Blacam C De, Whelan D, Mcardle A, Clover AJP. Mesenchymal Stem Cells and Cutaneous Wound Healing : Current Evidence and Future Potential. *Stem Cells Int*. 2015;
37. Santi. Peranan Sel Punca dalam Penyembuhan Luka. *Cermin Dunia Kedokt*. 2018;45(5):374–379.
38. Sylakowski K, Bradshaw A, Wells A. Mesenchymal Stem Cell/Multipotent Stromal Cell Augmentation of Wound Healing. *Am J Pathol*. 2020;190(7):1370–1381.
39. Kyurkchiev D, Bochev I, Ivanova-todorova E, Mourdjeva M, Oreshkova T, Belemezova K, et al. Secretion Of Immunoregulatory Cytokines By Mesenchymal Stem Cells. *World J Stem Cells*. 2014;6(5):552–570.
40. Sun Z, Feng Y, Zou M, Zhao B, Liu S, Du Y, et al. Emerging Role of IL-10 in Hypertrophic Scars. *Front Med*. 2020;7:1–8.
41. Sapudom J, Wu X, Chkolnikov M, Ansoerge M, Anderegg U, Pompe T. Fibroblast Fate Regulation By Time Dependent TGF-B1 And IL-10 Stimulation In Biomimetic 3D Matrices. *Biomater Sci*. 2017;5(9):1856–1867.
42. Xie F, Teng L, Lu J, Xu J, Zhang C, Yang L. Interleukin-10-Modified Adipose-Derived Mesenchymal Stem Cells Prevent Hypertrophic Scar Formation via Regulating the Biological Characteristics of Fibroblasts and Inflammation. *Mediators Inflamm*. 2022;
43. Singampalli KL, Balaji S, Wang X, Parikh UM, Kaul A, Gilley J. The Role of an IL-10 / Hyaluronan Axis in Dermal Wound Healing. *Front Cell Dev Biol*. 2020;8(636):1–15.
44. Steen EH, Wang X, Balaji S, Butte MJ, Bollyky PL, Keswani SG. The Role of the Anti-Inflammatory Cytokine Interleukin-10 in Tissue Fibrosis. *Adv Wound Care (New Rochelle)*. 2020;9(4):184–198.
45. PDB. Crystal structure of human IL-10. 2006.
46. Farooq M, Khan AW, Kim MS, Choi S. The Role of Fibroblast Growth Factor (FGF) Signaling in Tissue Repair and Regeneration. *Cells*. 2021;10(11):1–20.
47. Prudovsky I. Cellular Mechanisms of FGF-Stimulated Tissue Repair. *Cell*. 2021;10(7).

48. R DA, Lôbo M, Trindade K, Silva DF, Pereira N. Fibroblast Growth Factors: A Controlling Mechanism of Skin Aging. *Skin Pharmacol Physiol*. 2019;32(5):275–282.
49. Zhou T, Yang Y, Chen Q, Xie L. Glutamine Metabolism Is Essential for Stemness of Bone Marrow Mesenchymal Stem Cells and Bone Homeostasis. *Stem Cells Int*. 2019;
50. Sartori T, Santos GG dos, Pedro AN, Makiyama E, Rogero MM. Effects Of Glutamine, Taurine And Their Association On Inflammatory Pathway Markers In Macrophages. *Inflammopharmac*. 2017;26(3).
51. Zand N, Ojo O, Snowden MJ, Kochhar T. The Effect of Amino Acids on Wound Healing : A Systematic Review and Meta-Analysis on Arginine and Glutamine. *Nutrients*. 2021;13(8).
52. Chiu M, Taurino G, Bianchi MG, Bussolati O. The Role of Amino Acids in the Crosstalk Between Mesenchymal Stromal Cells and Neoplastic Cells in the Hematopoietic Niche. *Front Cell Dev Biol*. 2021;
53. Pubchem. National Center for Biotechnology Information. PubChem Compound Summary for CID 5961, Glutamine. 2024.
54. Caroff M, Novikov A. Lipopolysaccharides: Structure, Function and Bacterial Identification. *Oilseeds fats Crop Lipids*. 2020;27(31):1–10.
55. Yang N, Sin DD, Dorscheid DR, Yang N. Various Factors Affect Lipopolysaccharide Sensitization in Cell Cultures. *Biotechniques*. 2020;69(2):126–132.
56. Jaschke PR. Simulated Sandwich Enzyme-Linked Immunosorbent Assay for a Cost-Effective Investigation of Natural and Engineered Cellular Signaling Pathways. *Biochem Mol Biol Educ*. 2020;48(1):67–73.
57. Sakamoto S, Putalun W, Vimolmangkang S, Phoolcharoen W. Enzyme-Linked Immunosorbent Assay for The Quantitative/Qualitative Analysis of Plant Secondary Metabolites. *J Nat Med*. 2018;72(1):32–42.
58. Hidayat R, Wulandari P. Enzyme Linked Immunosorbent Assay (ELISA) Technique Guideline. *Biosci Med J Biomed Transl Res*. 2021;5(5):447–453.
59. Suryadi Y, Manzila I, Machmud M. Potensi Pemanfaatan Perangkat Diagnostik ELISA serta Variannya untuk Deteksi Patogen Tanaman. *AgroBiogen*. 2009;5(1):39–48.
60. Aydin S. A Short History, Principles, and Types Of ELISA, and Our Laboratory Experience with Peptide/Protein Analyses Using ELISA. *Peptides*. 2015;72:4–15.
61. Pradifta R, Lucida H, Sudji IR, Salsabila HN, Namira PA. Formulation Of Mesenchymal Stem Cell Secretome as Antiaging Cream. *Int J Appl Pharm*. 2023;15(1):45–50.
62. Elda R. Uji Aktivitas Antibakteri Sekretom Mesenchymal Stem Cell Terhadap Bakteri *Staphylococcus aureus* yang Diisolasi dari Pasien Ulkus Kaki Diabetik. Universitas Andalas; 2023.

63. Elabscience. Human IL-10 (Interleukin 10) ELISA Kit.
64. Elabscience. Human bFGF/FGF2 (Basic Fibroblast Growth Factor) ELISA Kit.
65. Baer PC. Adipose-Derived Mesenchymal Stromal/Stem Cells: An Update on Their Phenotype In Vivo and In Vitro. *World J Stem Cells*. 2014;6(3):256.
66. Linkova DD, Rubtsova YP, Egorikhina MN. Cryostorage of Mesenchymal Stem Cells and Biomedical Cell-Based Products. *Cells*. 2022;11(17).
67. Hunt CJ. Technical Considerations in the Freezing, Low-Temperature Storage and Thawing of Stem Cells for Cellular Therapies. *Transfus Med Hemother*. 2019;46(3):134–150.
68. Syahidah HN, Hadisaputri YE. Review Artikel: Media Yang Digunakan Pada Kultur Sel. *Farmaka*. 2016;14(3):27–36.
69. Maniarasu R, R MK. A Mini-Review on CO<sub>2</sub> Role in Cell Culture and Medicinal Applications. *J Cell Sci Ther*. 2022;13(3):1–4.
70. Rosdiana A, Hadisaputri YE. Studi Pustaka Tentang Prosedur Kultur Sel. *Farmaka*. 14(1):236–249.
71. Mótyán JA, Tóth F, Tózsér J. Research Applications of Proteolytic Enzymes in Molecular Biology. *Biomolecules*. 2013;3(4):923–942.
72. Santosa B. *Teknik Elisa: Metode Elisa Untuk Pengukuran Protein Metallothionein Pada Daun Padi Ir Bagendit*. Unimus Press, Semarang. Semarang: Unimus Press; 2020.
73. Mufidah T, Wibowo H, Subekti DT. Pengembangan Metode ELISA Dan Teknik Deteksi Cepat Dengan Imunostik Terhadap Antibodi Anti *Aeromonas hydrophila* Pada Ikan Mas (*Cyprinus carpio*). *J Ris Akuakultur*. 2015;10(4):553–565.
74. Logozi M, Di Raimo R, Mizioni D, Fais S. Immunocapture-Based ELISA To Characterize and Quantify Exosomes In Both Cell Culture Supernatants and Body Fluids. *Methods Enzymol*. 2020;645:155–180.
75. Scott DL et al. *ELISA Basics Guide*. Bio-Rad; 1–40 p.
76. Amable PR, Teixeira MVT, Carias RBV, Granjeiro JM, Borojevic R. Mesenchymal Stromal Cell Proliferation, Gene Expression and Protein Production in Human Platelet-Rich Plasma-Supplemented Media. *PLoS One*. 2014;9(8).
77. Crisostomo PR, Wang Y, Markel TA, Wang M, Lahm T, Meldrum DR. Human Mesenchymal Stem Cells Stimulated By TNF-A, LPS, Or Hypoxia Produce Growth Factors By An NFkB But Not JNK-Dependent Mechanism. *Am J Physiol Cell Physiol*. 2008;294.
78. Nie C, Yang D, Xu J, Si Z, Jin X, Zhang J. Locally Administered Adipose-Derived Stem Cells Accelerate Wound Healing Through Differentiation and Vasculogenesis. *Cell Transplant*. 2011;20(2):205–216.
79. Salsabila HN. Uji Kandungan Faktor Pertumbuhan EGF Dan FGF Dalam Sediaan Krim Sekretom Sel Punca Mesenkimal. Universitas Andalas; 2022.

80. Kanda N, Morimoto N, Ayvazyan A, Takemoto S, Kawai K, Nakamura Y, et al. Evaluation of A Novel Collagen-Gelatin Scaffold for Achieving the Sustained Release of Basic Fibroblast Growth Factor in A Diabetic Mouse Model. *J Tissue Eng Regen Med*. 2012;8(1):29–40.
81. Matsumine H. Treatment of Skin Avulsion Injuries with Basic Fibroblast Growth Factor. *Plast Reconstr Surg - Glob Open*. 2015;3(4):1–4.
82. Nicklin P, Bergman P, Zhang B, Triantafellow E, Wang H, Yang H. Bidirectional Transport of Amino Acids Regulates mTOR and Autophagy. *Cell*. 2009;136(3):521–534.
83. Kawai T, Akira S. The Role of Pattern-Recognition Receptors in Innate Immunity: Update on Toll-Like Receptors. *Nat Immunol*. 2010;11(5):373–584.
84. Putra A. *Basic Molecular Stem Cell*. Vol. 1, Unissula Press. 2019. 1–377 p.
85. Purnama H, Sriwidodo, Ratnawulan S. Review Sistematis: Proses Penyembuhan dan Perawatan Luka. *Farmaka*. 2017;15(2):251–258.
86. Primadina N, Basori A, Perdanakusuma DS. Proses Penyembuhan Luka Ditinjau Dari Aspek Mekanisme Seluler Dan Molekuler. *Qanun Med*. 2019;3(1):31–43.

