

## DAFTAR PUSTAKA

- Ahmed, M., A. Sherif, Reffat, A. Hassan, & F. Eskander., 2017. "Platelet-Rich Plasma for the Treatment of Clean Diabetic Foot Ulcers." *Annals of Vascular Surgery*, 38(1): 206–11.
- Aye, M., Di Giorgio, C., De Mo, M., Botta, A., Perrin, J., & Courbiere, B., 2010. Assessment of the genotoxicity of three cryoprotectants used for human oocyte vitrification: dimethyl sulfoxide, ethylene glycol and propylene glycol. *Food and Chemical Toxicology*, 48(7), 1905–1912.
- Bahsoun, S., Coopman, K., & Akam, E., 2020. Quantitative Assessment of the Impact of Cryopreservation on Human Bone Marrow-derived Mesenchymal Stem Cells: up to 24h Post-Thaw and Beyond. *Stem Cell Research & Therapy*, 11(1): 1-15.
- Bieback, K., 2019. Gaps in the Knowledge of Human Platelet Lysate as a Cell Culture Supplement for Cell Therapy: a Joint Publication from the AABB and the Internasional Society for Cell & Gene Therapy. *Transfusion*, 59(1): 3448-3460.
- Blank, M., Silva, V., Rui, B., Novaes, G., Castiglione, V., & Pereira, R., 2020. Beneficial Influence of Fetal Bovine Serum on in vitro Cryosurvival of Chicken Spermatozoa. *Elsevier*, 95(1): 103-109.
- Boediono, A., 2003. Vitrikasi vs Pembekuan Lambat Pada Pembekuan Embrio. *Symposium Perkumpulan Teknologi Reproduksi Indonesia*, 1(1): 24-32.
- Burnouf, T., Strunk, D., Koh, M., & Schallmoser, K., 2016. Human Platelet Lysate: Replacing Fetal Bovine Serum as a Gold Standard for Human Cell Propagation. *Biomaterials*, 76(1): 371-387.
- Caneparo, C., Chabaud, S., Fradette, J., & Bolduc, S., 2022. Evaluation of a Serum Free Medium for Human Epithelial and Stromal Cell Culture. *Internasional Journal of Molecular Sciences*, 23(1): 1-17.
- Darwin, E., Elfi, E., & Elvira, D., 2018. *Endotel Fungsi dan Disfungsi*. Andalas University Press: Padang.
- Devitt, S., Carter, C., Dierov, R., Weiss, S., Gersch, R., & Percec, I., 2015. Successful Isolation of Viable Adipose-Derived Stem Cells from Human Adipose Tissue Subject to Long-Term Cryopreservation: Positive Implications for Adult Stem Cell-Based Therapeutics in Patients of Advanced Age. *Stem Cells Internasional*, 13(1): 1-11.
- Elvevold, K., Kyrrestad, I., & Smedsrod, B., 2022. Protocol for Isolation and Culture of Mouse Hepatocytes (HCs), Kupffer Cells (KCs), and Liver Sinusoidal Endothelial Cells (LSECs) in Analyses of Hepatic Drug Distribution. *Methods in Molecular Biology*, 2434(1): 385-402.
- Engelmann, F., Duval, Y., & Dereuddre, J., 1985. Survival and Proliferation of Oil Palm (*Elaeis guineensis*) Somatik Embryos After Freezing in Liquid Nitrogen. *Plant Cell Reports*, 301(3): 111-364.
- Fazzina R, Iudicone P, Mariotti A, Fioravanti D, Procoli A, Cicchetti E, Scambia G, Bonanno G, Pierelli L., 2016. Culture of human cell lines by a pathogen-inactivated human platelet lysate. *Cytotechnology*, 68(4):1185-95.

- Freshney, R.I., 2008. *Culture of Animal Cells, A Manual Of Basic Technique And Specialized Applications*, 6th ed. Wiley-Blackwell. New York.
- Gazali, M., & Tambing, S., 2002. Kriopreservasi Sel Spermatozoa. *Hayati*, 9(1): 27-32.
- Guiotto, M., Raffoul, W., Hart, A., Riehle, M., & Summa, P., 2020. Human Platelet Lysate to Substitute Fetal Bovine Serum in hMSC Expansion for Translational Applications. *Journal of Translational Medicine*, 18(351): 1-14.
- Godoy, P., Hewitt, N., & Albrecht, U., 2013. Recent Advances in 2D and 3D in vitro Systems Using Primary Hepatocytes, Alternative Hepatocytes Sources and Non-Parenchymal Liver Cells and Their Use in Investigating Mechanisms of Hepatotoxicity, Cell Signaling and ADME. *Arch Toxicol*, 87(1): 1315-1530.
- Hasdianah., 2012. Cell Line Monolayer Tissue Culture FKDL dan Cell Line sebagai Media Penumbuh Virus pada Pengembangan Bioteknologi Biomolekuler (Penelitian Eksperimental Laboratoris). *STRADA Jurnal Ilmiah Kesehatan*, 1(1): 63-85.
- Hernandez, C., Garsia, S., Sandoval, C., Castillo, V., Muro, A., Gonzales, F., & Barrera, A., 2014. Cell Culture: History, Development, and Prospect. *International Journal of Current Research and Academic Review*, 2(12): 188-200.
- Indahsari, N., 2017. Histopatologi Hepar Tikus Putih (*Rattus norvegicus*) yang Diinduksi dengan Parasetamol Dosis Toksik Pasca Pemberian Ekstrak Etanol Daun Kelor (*Moringa oleifera*). *Jurnal Kimia Riset*, 2(2): 123-130.
- Jang, T., Park, S., Yang, J., Kim, J., Seok, J., Park, U., Choi, C., Lee, S., & Han, J., 2017. Cryopreservation and Its Clinical Applications. *Integrative Medicine Research*, 6(1): 12-18.
- Junaedi., Arifiantini,R., Sumantri, C., & Gunawan, A., 2016. Penggunaan Dimethyl Sulfoxide Sebagai Krioprotektan dalam Pembekuan Semen Ayam Kampung. *Jurnal Veteriner*, 17(2): 300-308.
- Junqueira, L., Carneiro, J., & Kelley, R., 2007. *Histologi Dasar*. Jakarta: EGC.
- Karina., Rosadi, I., Sobariah, S., Rosliana, I., Komang, A., Widyastuti, T., & Afini I., 2019. Perbandingan Morfologi Adipose-Derived Stem Cells Donor Diabetes Melitus Tipe 2 dalam Medium Mengandung Platelet-Rich Plasma dan Fetal Bovine Serum. *Jurnal Riset Biologi dan Aplikasinya*, 1(2): 64-70.
- Kiepe, D., Ciarmatori, S., Hoeflich, A., Wolf, E., & Tonshoff, B., 2005. Insuline-Like Growth Factor (IGF)-I Stimulates Cell Proliferation and Incudes IGF Binding Protein (IGFBP)-3 and IGFBP-5 Gene Expression in Cultured Growth Plate Chondrocytes via Distinct Signaling Pathways. *Endocrinology*, 146(7): 3096-3104.
- Kim, M., Lee, S., Lim, J., & Gong, S., 2016. Medium Composition for Effective Slow Freezing of Embryonic Cell Lines Derived from Marine Medaka (*Oryzias dancena*). *Cytotechnology*, 68(1): 9-17.
- Kostaman, T., & Setioko, A., 2011. Perkembangan Penelitian Teknik Kriopreservasi untuk Penyimpanan Semen Unggas. *Wartazoa*, 21(3): 145-152.

- Kusumawardani, B., Rachmawati, D., Suendi, D., & Savitri, I., 2023. Slow Freezing Cryopreservation in Combination With Cryoprotectants Preserve Gingival Mesenchymal Stem Cells. *Malaysian Journal of Medicine and Health Sciences*, 19(1): 1-8.
- Lee, T. A., B. H. Sci., & Counsel., 2006. The Food From Hell Food Colouring. *The Internet Journal of Toxicologi*, 2(2): 101-110.
- Lestari, B., 2012. Peran Sel Kupffer pada Steatohepatitis Alkohol. *Jurnal Biomedik*, 4(2): 79-87.
- Li, Y., Tan, J., & Li, L., 2010. Comparison of Three Methods for Cryopreservation of Human Embryonic Stem Cells. *Fertil Steril*, 3(3): 999-1005.
- Ma'at, S., 2011. *Teknik Dasar Kultur Sel*. Surabaya: Airlangga University Press.
- Masson, P., & Lushchekina, S., 2022. Conformational Stability and Denaturation Processes of Proteins Investigated by Electrophoresis under Extreme Conditions. *Molecules*, 27(1): 1-31.
- Maulida, D., Nur, F., Eriani, K., & Muchlisin, Z., 2020. Tinjauan Kepustakaan Tentang Kriopreservasi Sperma Ikan Asli Indonesia. *Jurnal Ilmu-Ilmu Perairan, Pesisir, dan Perikanan*, 9(2): 141-150.
- Mentari, D., Pebrina, R., & Nurpratami, D., 2020. Human Platelet Lysate (HPL) as an Alternative Media Propagation of T47D Cells Line. *Indonesian Journal of Cancer Chemoprevention*, 11(1): 36-45.
- Mentari, D., Pebrina, R., & Nurpratami, D., 2022. Utilization of Expired Platelet Concentrate for Production of Human Platelet Lysate as a Medium for T47D Cell Propagation. *Molecular and Cellular Biomedical Sciences*, 6(2): 96-103.
- Muthamainnah, C., Eriani, K., Hasri, I., Fadli, N., Abdullah, A., Muhammadar., & Muchlisin, Z., 2019. Kriopreservasi Sperma Ikan Kawan Poropontius tawarensis Menggunakan Dimetil Sulfoxida (DMSO). *Jurnal Ilmu-Ilmu Perairan, Pesisir, dan Perikanan*, 8(3): 158-166.
- Maito, M., Hasegawa, G., Ebe, Y., & Yamamoto, T., 2004. Differentiation and Function of Kupffer Cells. *Med Electron Microsc*, 37(1): 16-28.
- Nugraha, A., Isdadiyanto, S., & Tana, S., 2018. Histopatologi Hepar Tikus Wistar (*Rattus norvegicus*) Jantan Setelah Pemberian Teh Kombucha Konsentrasi 100% dengan Waktu Fermentasi yang Berbeda. *Buletin Anatomi dan Fisiologi*, 3(1):71-78.
- Nurmalia, P., Purwanto, A., & Julia, S., 2012. Residu Leukosit dalam Thrombocyte Concentrate. *Indonesian Journal of Pathology and Medical Laboratory*, 19(1): 19-23.
- Oeller, M., Plamberger, S., Krisch, L., Rohde, E., Strunk, D., & Schallmoser, K., 2021. Human Platelet Lysate for Good Manufacturing Practice-Compliant Cell Production. *Molecular Sciences*, 22(1): 1-14.
- Palombella, S., Orfei, C., Castellini, G., Gianola, S., Lopa, S., Mastrogiacomo, M., Moretti, M., & Girolamo, R., 2022. Systematic Review and Meta-Analysis on The Use of Human Platelet Lysate for Mesenchymal Stem Cell Cultures:

- Comparisons with Fetal Bovine Serum and Considerations on The Productions Protocol. *Stem Cell Research & Therapy*, 13(142): 1-31.
- Plamberger, L., Oeller, M., Mrazek, C., Hartl, A., Sonderegger, A., Rohde, E., Strunk, D., Schalmosser, K., 2019. Upregulation of Mitotic Bookmarking Factors During Enhanced Proliferation of Human Stromal Cells in Human Platelet Lysate. *J. Transl. Med*, 17(1): 432.
- Rohmah, M., 2021. Pengaruh Jenis Substrat dan Serum terhadap Aktivitas Penempelan, Proliferasi, dan Diferensiasi Kultur Sel Myoblast C2C12. *LenteraBio*, 10(2): 134-139.
- Rojas, J., Munera, L., & Mira, S., 2024. Comparison Between Platelet Lysate, Platelet Lysate Serum, and Fetal Bovine Serum as Supplements for Cell Culture, Expansion, and Cryopreservation. *Biomedicines*, 12(140): 1-18.
- Rurangwa, E., Volckaert, F. A. M., Huyskens, G., Kime, D. E. dan Ollevier, F., 2001. Quality Control of Refrigerated and Cryopreserved Semen Using Computer-Assisted Sperm Analysis (CASA), Viable Staining and Standardized Fertilization in African Catfish (*Clarias gariepinus*). *Theriogenology*, 55(1): 751-769.
- Setyawati, A., 2015. Struktur Histologi Hati, Ginjal, dan Pankreas Mencit (*Mus musculus*) dengan Perlakuan Ekstrak Batang Akar Kuning (*Fibraurea tinctoria* L.). *Skripsi*: Institut Pertanian Bogor.
- Sichel, G., Scalia, M., & Corsaro, C., 2002. Amphibia Kuppfer Cells. *Microscopy Research and Technique*, 57(1): 477-490.
- Sloane, E., 2004. *Anatomi dan Fisiologi untuk Pemula*. Jakarta: Penerbit Buku Kedokteran EGC.
- Syahrizal, D., 2008. *Pengaruh Proteksi Vitamin C Terhadap Enzim Transaminase dan Gambaran Histopatologis Hati Mencit yang Dipapar Plumbum*. Tesis. Medan: Sekolah Pascasarjana.
- Syaifuddin, M., Taqwa, F., & Kusuma, M., 2022. Pengaruh Krioprotektan Dimetil Sulfoksida Berbeda Dalam Ekstender Madu Terhadap Kualitas Sperma Ikan Belida Selama Masa Penyimpanan. *Indonesian Journal of Fisheries Science and Technology*, 18(2): 113-118.
- Tuschl, G., & Mueller, S., 2006. Effects of Cell Culture Conditions on Primary Rat Hepatocytes Cell Morphology and Differential Gene Expression. *Toxicology*, 218(1): 205-215.
- Uhrig, M., Ezquer, F., & Ezquer, M., 2022. Improving Cell Recovery: Freezing and Thawing Optimization of Induced Pluripotent Stem Cells. *Cells*, 11(799): 1-19.
- Utami, R., Ducha, N., & Purnama, E., 2019. Kajian Bovine Serum Albumin (BSA) dalam Pengencer Caudal Epididymal Plasma-D (CEP-D) Terhadap Motilitas Spermatozoa Sapi Limousin Sebelum dan Sesudah Pembekuan. *LenteraBio*, 8(3): 255-259.
- Wada, K., Itoga, K., Okano, T., Yonemura, S., & Sasaki, H., 2011. Hippo Pathway Regulation by Cell Morphology and Stress Fibers. *Development*, 138(18): 3907-3914.

- Wardhani, A., Uktolseja, J., & Djohan., 2020. Identifikasi Morfologi dan Pertumbuhan Bakteri Pada Cairan Terfermentasi Silase Pakan Ikan. *Artikel Pemakalah Paralel*, 5(1): 411-419.
- Wulandari, R., 2008. Pengaruh Penambahan Yeast pada Pemberian Lamtoro Merah (*Acacia villosa*) terhadap Histopatologi Hati Tikus. *Skripsi*: Fakultas Kedokteran Hewan Institut Pertanian Bogor.

