

DAFTAR PUSTAKA

- Abrori, C., Nurfadhila, K., & Nurus Sakinah, E. (2019). Uji toksisitas akut ekstrak etanol daun kemangi (*Ocimum sanctum*) diukur dari nilai LD50 dan histopatologi ginjal acute. *J Agromed Med Sci*, 5(1).
- Al-Aameli, M. H., Al-Tae, R. A. M., & Alsalame, H. A. (2019). Histological & physiological alternations in the aorta & heart in relation with cholesterol diet in male albino rat. *Indian J. Forensic Med. Toxicol*, 13(2), 301-306.
- Anjani, M., As, N. A., & Mubarakati, N. J. (2021). Studi Subkronik. 28 Hari: Uji Toksisitas Ekstrak Metanolik Kombinasi *Scurulla atropurpurea* dan *Dendrophthoe pentandra* terhadap Kerusakan Fungsi Ginjal Tikus Wistar Betina: Study of. Subchronic during 28 days: Toxicity Test of Methanolic Extract Combination of *Scurulla atropurpurea* and *Dendrophthoe pentandra* Against Malfunctioning Kidney Function of Female Wistar Rats. *Jurnal Ilmiah Biosaintropis (Bioscience-Tropic)*, 6(2), 58-63.
- Bacha Jr, W. J., & Bacha, L. M. (2012). *Color Atlas of Veterinary Histology*. UK: John Wiley & Sons.
- Badan Pengawas Obat dan Makanan Republik Indonesia (BPOM RI). (2022). *PEDOMAN UJI TOKSISITAS PRAKLINIK SECARA IN VIVO*. Jakarta: BPOM RI.
- Barbosa, H. M., Nascimento, J. N., Araujo, T. A., Duarte, F. S., Albuquerque, U. P., Vieira, J. R., & Lira, E. C. (2016). Acute toxicity and cytotoxicity effect of ethanolic extract of *Spondias tuberosa* Arruda bark: hematological, biochemical and histopathological evaluation. *Anais da Academia Brasileira de Ciências*, 88, 1993-2004.
- Barger, A. M., & MacNeill, A. L. (2024). *Clinical Pathology and Laboratory Techniques for Veterinary Technicians*. Hoboken: John Wiley & Sons.
- Brooks, M. B., Harr, K. E., Seelig, D. M., Wardrop, K. J., & Weiss, D. J. (2022). *Schalm's Veterinary Hematology*. USA: Wiley Blackwell.
- Campos, L. L., Landim-Alvarenga, F. C., Ikeda, T. L., Monteiro, B. A., Maia, L., Freitas-Dell'Aqua, C. P., & Vita, B. D. (2017). Isolation, culture, characterization and cryopreservation of stem cells derived from amniotic mesenchymal layer and umbilical cord tissue of bovine fetuses. *Pesquisa veterinaria brasileira*, 37(03), 278-286.
- Cardoso, T. C., Okamura, L. H., Baptistella, J. C., Gameiro, R., Ferreira, H. L., Marinho, M., & Flores, E. F. (2017). Isolation, characterization and

immunomodulatory-associated gene transcription of Wharton's jelly-derived multipotent mesenchymal stromal cells at different trimesters of cow pregnancy. *Cell and tissue research*, 367(2), 243-256.

Ceriana, R. (2023). Uji Toksisitas Makroskopis Pada Organ Ginjal, Hati, Jantung dan Limpa Mencit Hiperglikemia yang Diberi Ekstrak Etanol Kulit Buah Rambai (*Baccaurea motleyana*). *Journal of Pharmaceutical and Health Research*.

Charreau, B. (2021). Secretome and tunneling nanotubes: A multilevel network for long range intercellular communication between endothelial cells and distant cells. *International journal of molecular sciences*, 22(15), 7971.

Delwatta, S. L., Gunatilake, M., Baumans, V., Seneviratne, M. D., Dissanayaka, M. L., Batagoda, S. S., & Walpola, P. B. (2018). Reference values for selected hematological, biochemical and physiological parameters of Sprague-Dawley rats at the Animal House, Faculty of Medicine, University of Colombo, Sri Lanka. *Animal models and experimental medicine*, 1(4), 250-254.

Deyno, S., Abebe, A., Tola, M. A., Hymete, A., Bazira, J., Makonnen, E., & Alele, P. E. (2020). Acute and sub-acute toxicity of *Echinops kebericho* decoction in rats. *BMC complementary medicine and therapies*, 20(1), 2.

Fuad, A. S. M., Arzmi, M. H., Bakar, M. E., Taib, I. S., Khuda, F., & Nasruddin, N. S. (2025). Acute oral toxicity evaluation of synbiotic mixture containing *Streptococcus salivarius* K12 and *Musa acuminata* aqueous peel extract in Sprague-Dawley rats. *Journal of Ayurveda and Integrative Medicine*, 16(1), 101037.

Harrell, C. R., Fellabaum, C., Jovicic, N., Djonov, V., Arsenijevic, N., & Volarevic, V. (2019). Molecular mechanisms responsible for therapeutic potential of mesenchymal stem cell-derived secretome. *Cells*, 8(5), 467.

He, Q., Su, G., Liu, K., Zhang, F., Jiang, Y., Gao, J., & Xie, H. (2017). Sex-specific reference intervals of hematologic and biochemical analytes in Sprague-Dawley rats using the nonparametric rank percentile method. *PloS one*, 12(12), e0189837.

Heatley, J. J., & Russell, K. E. (2020). *Exotic Animal Laboratory Diagnosis*. Hoboken: John Wiley & Sons.

Herawati, H., Wihadmadyatami, H., Zulfikar, M. A., Raissa, R., Mataram, M. B. A., Kurniawati, S., & Pratama, D. A. O. (2024). Bovine umbilical mesenchymal stem cell-conditioned medium increased expression of

GLUT-4 in pancreas of diabetic rats induced by nicotinamide-streptozotocin. *Open Veterinary Journal*, 14(8), 1761.

- Hill, A. B. T., Bressan, F. F., Murphy, B. D., & Garcia, J. M. (2019). Applications of mesenchymal stem cell technology in bovine species. *Stem cell research & therapy*, 10(1), 44.
- Kamau, J. K., Kiboi, N. G., Ngugi, M. P., & Ngeranwa, J. N. (2026). Acute and Subacute Toxicity Profiles of Methanol Extract of *Rhamnus prinoides* L'Hér in Sprague Dawley Rats. *Scientific African*, 32, e03359.
- Kim, K., Chini, N., Fairchild, D. G., Engle, S. K., Reagan, W. J., Summers, S. D., & Mirsalis, J. C. (2016). Evaluation of cardiac toxicity biomarkers in rats from different laboratories. *Toxicologic pathology*, 44(8), 1072-1083.
- Kohl, K., Herzog, E., Dickneite, G., & Pestel, S. (2020). Evaluation of urinary biomarkers for early detection of acute kidney injury in a rat nephropathy model. *Journal of pharmacological and toxicological methods*, 105, 106901.
- König, H. E., & Liebich, H-G. (2007). *Veterinary Anatomy of Domestic Mammals: Textbook and Colour Atlas*. Germany: Schattauer Verlag.
- Kumar, K., Agarwal, P., Das, K., Mili, B., Madhusoodan, A. P., Kumar, A., & Bag, S. (2016). Isolation and characterization of mesenchymal stem cells from caprine umbilical cord tissue matrix. *Tissue and cell*, 48(6), 653-658.
- Kumar, M. (2017). Different blood collection methods from rats: A review. *Balneo Research Journal*, 8(1).
- Kusindarta, D. L., & Wihadmadyatami, H. (2021). Conditioned medium derived from bovine umbilical mesenchymal stem cells as an alternative source of cell-free therapy. *Veterinary World*, 14(10), 2588.
- Lestari, N., Haniyah, F., Sari, A. P., Umar, L. A., & Yunita, E. (2021). Efek pemberian propolis pada fungsi ginjal dan hepar tikus putih (*Rattus Norvegicus*) yang diinduksi cisplatin. *Intisari Sains Medis*, 12(2), 508-512.
- Lubau, N. S. A., Balasubramaniam, V., Yap, C. G., Arulsamy, A., & Subramaniam, V. (2026). Acute and subacute oral toxicity assessment of Karanjin in Sprague Dawley rats. *Toxicology Reports*, 102207.
- Maynard, R. L., & Downes, N. (2019). *Anatomy and histology of the laboratory rat in toxicology and biomedical research*. UK: Academic Press.

- Montero-Vilchez, T., Sierra-Sánchez, Á., Sanchez-Diaz, M., Quiñones-Vico, M. I., Sanabria-de-la-Torre, R., Martinez-Lopez, A., & Arias-Santiago, S. (2021). Mesenchymal stromal cell-conditioned medium for skin diseases: a systematic review. *Frontiers in cell and developmental biology*, 9, 654210.
- Nurfaat, D. L. (2016). Uji toksisitas akut ekstrak etanol benalu mangga (*Dendrophthoe petandra*) terhadap mencit swiss webster. *Indonesian Journal of Pharmaceutical Science and Technology*, 3(2), 53-65.
- Nurudhin, A., Werdiningsih, Y., Prabowo, N. A., & Sunarso, I. (2024). *POTENSI TERAPEUTIK SEKRETOM SEL PUNCA MESENKIMAL PADA OSTEOARTRITIS LUTUT*. Sukoharjo: Penerbit Tahta Media.
- OECD (2001). *Test No. 420: Acute Oral Toxicity - Fixed Dose Procedure*, OECD Guidelines for the Testing of Chemicals, Section 4, OECD Publishing, Paris, <https://doi.org/10.1787/9789264070943-en>.
- Pan, D. S., Li, B., & Wang, S. L. (2022). Evaluation of biomarkers for doxorubicin-induced cardiac injury in rats. *Experimental and therapeutic medicine*, 24(6), 712.
- Pinho, A. G., Cibrão, J. R., Silva, N. A., Monteiro, S., & Salgado, A. J. (2020). Cell secretome: basic insights and therapeutic opportunities for CNS disorders. *Pharmaceuticals*, 13(2), 31.
- Pooladi, M., Montzeri, A., Nazarian, N., Taghizadeh, B., & Odoumizadeh, M. (2018). Effect of WiFi waves (2.45 GHz) on aminotransaminases (ALP, ALT and AST) in liver of rat. *Journal of Paramedical Sciences (JPS)*, 9(2), 13-20.
- Rakhmawati, Y., Lestari, S. R., Azella, A. R. P., Aulia, D., Wijayanti, D., Putra, D. R. N., & Nurhasanah, N. A. (2024). Evaluasi Nilai Protein Total, Albumin, Kreatinin, dan Bilirubin pada Tikus dengan Diet Rendah Protein: Evaluation of Total Protein, Albumin, Creatinine and Bilirubin Values in Rats on a Low Protein Diet. *JURNAL GIZI DAN KESEHATAN*, 16(2), 246-252.
- Saleem, S., Anwar, F., Khan, A., Saleem, U., Akhtar, M. F., Shahzadi, I., & Ismail, T. (2023). Toxicity profiling of *Burmansia aurea* Lagerh. Leaves using acute and sub-acute toxicity studies in rats. *Journal of Ethnopharmacology*, 311, 116447.
- Shalaginova, I. G., Tuchina, O. P., Sidorova, M. V., Levina, A. S., Khlebaeva, D. A., Vaido, A. I., & Dyuzhikova, N. A. (2021). Effects of psychogenic stress on some peripheral and central inflammatory markers in rats with the

different level of excitability of the nervous system. *PloS one*, 16(7), e0255380.

- Siegel, A., & Walton, R. M. (2020). Hematology and biochemistry of small mammals. *Ferrets, Rabbits, and Rodents*, 569.
- Silva, C. G. D., Martins, C. F., Cardoso, T. C., Cunha, E. R. D., Bessler, H. C., McManus, C. M., & B ao, S. N. (2016). Isolation and characterization of mesenchymal stem cells derived from bovine Wharton's jelly and their potential for use in cloning by nuclear transfer. *Ci ncia Rural*, 46(10), 1830-1837.
- Siregar, V. O., & Andika, V. (2026). Uji Toksisitas Akut Oral Ekstrak Etanol Daun Halaban (*Vitex pinnata* L.): Acute Oral Toxicity Test of Ethanol Extract of Halaban Leaf (*Vitex pinnata* L.). *Jurnal Sains dan Kesehatan*, 98-105.
- Susanti, G. (2017). Efek anti inflamasi ekstrak daun binahong [*Anredera cordifolia* (Ten.) Steenis] topikal terhadap jumlah PMN neutrofil pada tikus jantan sprague dawley. *Jurnal Kesehatan*, 8(3), 351-357.
- Tangkas, P. J., Suarsana, I., & Gunawan, I. N. (2021). Profil Hematologi Tikus Putih yang Diberi Latihan Intensif dan Ekstrak Kulit Pisang Kepok. *Buletin Veteriner Udayana*, 13(2), 206-216.
- Teixeira, F. G., Pires, A., Serra, S. C., Sousa, N., & Salgado, A. J. (2016). The evolving concept of mesenchymal stromal cells in regenerative medicine: from cell differentiation to secretome. *The Biology and Therapeutic Application of Mesenchymal Cells*, 222-235.
- Thrall, M. A., Weiser, G., Allison, R. W., & Campbell, T. W. (2022). *Veterinary Hematology, Clinical Chemistry, and Cytology*. Hoboken: John Wiley & Sons.
- Treuting, P. M., Dintzis, S. M., & Montine, K. S. (Eds.). (2017). *Comparative Anatomy and Histology: A Mouse, Rat, and Human Atlas*. UK: Academic Press.
- Villano, J. S. & Sharp, P. (2012). *The Laboratory Rat*. Florida: CRC Press.
- Wahdaningsih, S., Untari, E. K., & Robiyanto, R. (2020). Profil Hematologi pada Tikus Putih (*Rattus norvegicus* L.) Galur Wistar Setelah Pemberian Ekstrak Etanol Daun Bawang Dayak (*Eleutherine americana* (Aubl.) Merr. ex K. Heyne.). *PHARMACY: Jurnal Farmasi Indonesia (Pharmaceutical Journal of Indonesia)*, 332-342.

- Wang, L., Zhang, H., Yang, R., Luo, Y., & Cao, X. (2022). Study of the Application of Sprague-Dawley Rats for Disease Research Based on Hematological Parameters. *Biology Bulletin*, 49(5), 392-399.
- Wihadmadyatami, H., Zulfikar, M. A., Herawati, H., Karnati, S., Saragih, G. R., Aliffia, D., & Tjahjono, Y. (2025). Neuroprotection effect of bovine umbilical mesenchymal stem cell-conditioned medium on the rat model of Alzheimer's disease mediated by upregulation of BDNF and NGF and downregulation of TNF- α and IL-1 β . *Open Veterinary Journal*, 15(1), 151.
- Wijianto, B., Hariyanto, I. H., & Awlia, S. N. (2025). Uji Toksisitas Akut Serbuk Instan Siput Onchidiid (*Onchidium typhae*) pada Tikus (*Rattus norvegicus*) Betina Wistar. *JPSCR: Journal of Pharmaceutical Science and Clinical Research*, 10(2), 249-261.
- Wong, R. S. Y., Tan, E. W., Ng, N. C. S., & Goh, B. H. (2026). Mesenchymal Stem/Stromal Cell-Free Therapies: Challenges and Opportunities. *Molecular Biotechnology*, 1-16.
- Wu, W., & Krijgsveld, J. (2024). Secretome analysis: reading cellular sign language to understand intercellular communication. *Molecular & Cellular Proteomics*, 23(1), 100692.
- Wulandari, A., Patala, R., Mariyani, M., & Prinasari, R. (2025). Uji Toksisitas Akut Oral Ekstrak Etanol Akar Tanaman Bungkus (*Smilax rotundifolia* L.) pada Tikus Putih Jantan (*Rattus nervegicus*). *Journal of Pharmaceutical and Sciences*, 1328-1335.
- Wulansari, R., Wahdaniah, W., & Suwono, S. (2019). Perbedaan Nilai Masa Pembekuan Darah (*Clotting Time*) dengan Menggunakan Tabung Kaca dan Tabung Plastik Metode Lee and White. *Jurnal Laboratorium Khatulistiwa*, 2(2), 64-66.
- Xia, J., Arai, S., & Haider, K. H. (2021). *Stem Cells: From Potential to Promise*. Singapore: Springer Singapore.