

DAFTAR PUSTAKA

- Achi, N. El *et al.* (2020) 'Metal-Free ATRP Catalyzed by Visible Light in Continuous Flow', *Frontiers in Chemistry*, 8, p. 2. Available at: <https://doi.org/10.3389/fchem.2020.00740>.
- Agustin, M. (2021) *Profil Mikroskopis Jaringan Hepar Mencit (Mus musculus) yang Difiksasi dengan Neutral Buffered Formalin (NBF 10%) dan Larutan Helly*. Available at: <https://ejournal.poltekkes-smg.ac.id/ojs/index.php/JLM/>.
- Alkali, I.M. *et al.* (2024) 'Effect of Fixatives and Fixation Period on Morphology and Immunohistochemistry of Feline Ovarian Tissue', pp. 1–14.
- Annisa, A.S. *et al.* (2023) 'Pengaruh Penggunaan Minyak Zaitun dengan Pemanasan sebagai Larutan Penjernih (*Clearing*) terhadap Kualitas Sediaan Jaringan Hepar Mencit (*Mus musculus*)', *Jurnal Labora Medika*, 7, pp. 6–12.
- Badjuri, F.Z. *et al.* (2023) 'Pengaruh Variasi Suhu dan Waktu Virgin Coconut Oil pada Proses Deparafinisasi Pewarnaan Hematoksin Eosin terhadap Kualitas Preparat', *Jurnal Kesehatan Siliwangi*, 4(1), pp. 172–181. Available at: <https://doi.org/10.34011/jks.v4i1.1473>.
- Bilgin, C. *et al.* (2023) 'Quality assessment of histopathological stainings on prolonged formalin fixed thrombus tissues retrieved by mechanical thrombectomy', *Frontiers in Neurology*, 14. Available at: <https://doi.org/10.3389/fneur.2023.1223947>.
- Bray, J., Eward, W. and Breen, M. (2023) 'Evaluating the relevance of surgical margins. Part one: The problems with current methodology', *Veterinary and Comparative Oncology*, 21(1), pp. 1–11. Available at: <https://doi.org/10.1111/vco.12865>.
- Chlipala, E.A. *et al.* (2021) 'Impact of Preanalytical Factors During Histology Processing on Section Suitability for Digital Image Analysis', *Toxicologic Pathology*, 49(4), pp. 755–772. Available at: <https://doi.org/10.1177/0192623320970534>.
- D'azzuri, B.M., Susianti and Karima, N. (2023) 'Minyak Nabati sebagai Pengganti Bahan Kimia Toksik pada Proses *Clearing* Jaringan Histopatologi', *Medical Profession Journal of Lampung*, 13(6), pp. 1080–1083.
- Daemen, S., Chan, M.M. and Schilling, J.D. (2021) 'Comprehensive analysis of liver macrophage composition by flow cytometry and immunofluorescence in murine NASH', *STAR Protocols*, 2(2). Available at: <https://doi.org/10.1016/j.xpro.2021.100511>.
- Damayanti, M., Ariyadi, T. and Ayuning, R. (2022) 'Proses Deparafinisasi Sediaan Jaringan Ginjal dengan dan Tanpa Pemanasan Menggunakan Mineral Oil pada Pewarnaan Hematoksin-Eosin', *Jurnal Kesehatan Rajawali*, 02(2021), pp. 1–6.
- Dibal, N.I., Garba, S.H. and Jacks, T.W. (2022) 'Histological stains and their

application in teaching and research', 8(2), pp. 1–6.

Digambiro, R.A. and Parwanto, E. (2023) *Panduan Prosesing Dan Pewarnaan Jaringan Dalam Histopatologi*. Edited by Andriyanto. Penerbit Lakeisha.

Dunn, C. *et al.* (2024) 'Quantitative assessment of H & E staining for pathology : development and clinical evaluation of a novel system', pp. 1–11.

Esanov Gurindra, R. (2019) 'Simulasi Automatic Tissue Processor Tahap Dehidrasi Menggunakan Mikrokontroler', pp. 1–74. Available at: [https://eprints.uwhs.ac.id/306/1/Esanov Gurindra Ramdhani 1604024.pdf](https://eprints.uwhs.ac.id/306/1/Esanov%20Gurindra%20Ramdhani%201604024.pdf).

Fustinoni, S. *et al.* (2021) 'Exposure and Management of the Health Risk for the Use of Formaldehyde and Xylene in a Large Pathology Laboratory', *Annals of Work Exposures and Health*, 65(7), pp. 805–818. Available at: <https://doi.org/10.1093/annweh/wxaa141>.

Gutiérrez-Guerrero, Y.T., Phifer-Rixey, M. and Nachman, M.W. (2024) 'Across two continents: The genomic basis of environmental adaptation in house mice (*Mus musculus domesticus*) from the Americas', *PLoS Genetics*, 20(7 July). Available at: <https://doi.org/10.1371/journal.pgen.1011036>.

Haryanto, I.A. *et al.* (2024) 'Analisis Kruskal-Wallis untuk Mengetahui Kemampuan Literasi Siswa SMP Miftahurrohman Gresik Berdasarkan Asesmen Kompetensi Minimum', 2(1), pp. 32–36.

Ishak, S. *et al.* (2023) *Metodologi Penelitian Kesehatan, Media Sains Indonesia*.

Jyostna, N., Bhargava, D. and Bansal, P. (2024) 'Use of Carrot Oil, Olive Oil, Pine oil, Rose Oil in Comparison to Xylene as Clearing Agent During Tissue Processing: an in Vitro Study', *Biosciences Biotechnology Research Asia*, 21(3), pp. 1111–1120. Available at: <https://doi.org/10.13005/bbra/3290>.

Khristian, E. and Inderiati, D. (2017) *Bahan Ajar Teknologi Laboratorium Medis Sitohistoteknologi*. 1st edn. Jakarta Selatan: Pusat Pendidikan Sumber Daya Manusia Kesehatan Badan Pengembangan dan Pemberdayaan Sumber Daya Manusia Kesehatan.

Kim, J., Choi, W., Yoo, D., Kim, M., Cho, H., Sung, H., *et al.* (2023) 'Solution-free and simplified H & E staining using a hydrogel-based stamping technology', (November), pp. 1–10. Available at: <https://doi.org/10.3389/fbioe.2023.1292785>.

Kim, Jinho, Choi, W., Yoo, D., Kim, M., Cho, H., Sung, H.J., *et al.* (2023) 'Solution-free and simplified H&E staining using a hydrogel-based stamping technology', *Frontiers in Bioengineering and Biotechnology*, 11. Available at: <https://doi.org/10.3389/fbioe.2023.1292785>.

Ko, H. *et al.* (2013) 'Essential Oil of *Pinus koraiensis* Exerts Antiobesic and Hypolipidemic Activity via Inhibition of Peroxisome Proliferator-Activated Receptors Gamma Signaling', 2013. Available at: <https://doi.org/10.1155/2013/947037>.

Koutsaviti, A. *et al.* (2021) 'Antioxidant Potential of Pine Needles: A Systematic Study on the Essential Oils and Extracts of 46 Species of the Genus *Pinus* †'.

Available at: <https://doi.org/10.3390/foods10010>.

Kurniawan, S. (2025) 'Mengenal Infiltration, *Embedding*, Blocking Dalam Histologi', *Online Text Book ATLM* [Preprint]. Available at: <https://www.atlm-edu.id/2025/05/mengenal-infiltration-embedding.html>.

Laila Rusdiana, F., Nuroini, F. and Ariyadi, T. (2021) 'Perbedaan Kualitas Preparat Ginjal Tikus Yang Dideparafinisasi Menggunakan *Xylol* Dan Daun Belimbing Wuluh Dengan Asam Sitrat (Citrus)', *Prosiding Seminar Nasional UNIMUS*, 4, pp. 1174–1178.

Lamsudiansyah, A.Y.F. *et al.* (2023) 'Perbandingan Hasil Mikroskopis Preparat Jaringan dengan Minyak Daun Kayu Manis sebagai Agen *Clearing* pada Pematangan Jaringan', *JPP (Jurnal Kesehatan Poltekkes Palembang)*, 18(2), pp. 173–177. Available at: <https://doi.org/10.36086/jpp.v18i2.1832>.

Langenbacher, R.E. *et al.* (2023) 'Hematoxylin Nuclear Stain Reports Oxidative Stress Via Near-Infrared Emission', 18(5), pp. 1237–1245. Available at: <https://doi.org/10.1021/acschembio.3c00156>. Hematoxylin.

Li, Y. *et al.* (2023) 'Certificate of Analysis', *Biotechnol Biochem*, 6(5222). Available at: <https://cellgenix.com/products/gmp-scgm/>.

Likhithaswamy, H. *et al.* (2020) 'Comparison of staining adequacy between tissues stored in formalin and paraffin embedded blocks for prolonged duration', *Journal of Oral and Maxillofacial Pathology*, 24(3), pp. 586–587. Available at: https://doi.org/10.4103/jomfp.JOMFP_49_20.

Liu, M. *et al.* (2022) 'Whole-genome sequencing reveals the genetic mechanisms of domestication in classical inbred mice', *Genome Biology*, 23(1). Available at: <https://doi.org/10.1186/s13059-022-02772-1>.

Mahendra, I.M. and Fitria, M.S. (2024) 'Perbedaan Kualitas Preparat Jantung Tikus Pada Proses Deparafinisasi Menggunakan *Xylol* dan Minyak Pinus pada Pewarnaan HE', *In Prosiding Seminar Nasional Unimus*, 7(1), pp. 373–380.

Marinho, P.F. and Hanscheid, T. (2023) 'MethodsX A simple heat-based alternative method for deparaffinization of histological sections significantly improves acid-fast staining results for Mycobacteria in tissue ☆', *MethodsX*, 10(February), p. 102079. Available at: <https://doi.org/10.1016/j.mex.2023.102079>.

Markowska-Szczupak, A. *et al.* (2022) 'Effect of pine essential oil and rotating magnetic field on antimicrobial performance', *Scientific Reports*, 12(1). Available at: <https://doi.org/10.1038/s41598-022-13908-5>.

Octary, N., Sari, I. and Aristoteles (2022) 'Liver Tissue Examination of Mice Using 10% BNF Fixation For 6 Hours And 16 Hours', *Jurnal Analis Laboratorium Medik*, 7(2), pp. 104–109. Available at: <https://doi.org/10.51544/jalm.v7i2.3457>.

Pratiwi, E.N. and Armalina, D. (2021) 'Mikroskopis Preparat *Mus musculus* Jaringan Ginjal yang Dideparafinisasi dengan Minyak Zaitun pada Pengecatan Hematoxylin Eosin (HE)', *Jurnal Laboratorium Medis*, 03(01), pp. 61–66. Available at: <http://ejournal.poltekkes-smg.ac.id/ojs/index.php/JLM/>.

- Prema, V. *et al.* (2020) 'Biofriendly substitutes for xylene in deparaffinization', *Journal of Pharmacy and Bioallied Sciences*, 12(5), pp. S623–S630. Available at: https://doi.org/10.4103/jpbs.JPBS_164_20.
- Putri, G. setya ayu, Dinayah, D. and Iswara, A. (2024) 'Efektifitas Minyak Kenanga (*Cananga Odorata*) sebagai Agen Deparafinisasi pada Pewarnaan Hematoxylin-Eosin', *Jurnal Laboratorium Medis*, 06(01), pp. 1–8.
- Rahmawati, F. *et al.* (2023) 'Kesumba Keling Seed Extract (*Bixa orellana* L.) as a Natural Stain for Tilapia Fish (*Oreochromis niloticus*) Tissue Preparations', *Jurnal Bios Logos*, 13(3), pp. 233–242.
- Ruz-Maldonado, I. *et al.* (2024) 'Heterogeneity of hepatocyte dynamics restores liver architecture after chemical, physical or viral damage', *Nature Communications*, 15(1). Available at: <https://doi.org/10.1038/s41467-024-45439-0>.
- Selpia, D. *et al.* (2024) 'Penerapan Uji Mann-Whitney Dalam Perbandingan Prestasi Akademik Mahasiswa Statistika Universitas', 2(1), pp. 19–28.
- Shah, M. *et al.* (2025) 'Impact of Tissue Thickness on Computational Quantification of Features in Whole Slide Images for Diagnostic Pathology', *Endocrine Pathology*, 36(1). Available at: <https://doi.org/10.1007/s12022-025-09855-2>.
- Singh, P. *et al.* (2023) 'Evaluation of the efficacy of hematoxylin and eosin stain when xylene is completely replaced by turpentine or kerosene oil – A comparative study for oral tissues', *Indian Journal of Pathology and Microbiology*, 66(4), pp. 775–779. Available at: https://doi.org/10.4103/ijpm.ijpm_389_22.
- Singhal, P. *et al.* (2016) 'Evaluation of Histomorphometric Changes in Tissue Architecture in Relation to Alteration in Fixation Protocol – An Invitro Study', 10(September 2013), pp. 28–32. Available at: <https://doi.org/10.7860/JCDR/2016/19007.8236>.
- Sofyanita, E.N. and Siwi, U.P. (2024) 'Perbedaan Hasil Pewarnaan Hematoxylin Eosin (HE) pada Histologi Ginjal Mencit (*Mus musculus*) Berdasarkan Ketebalan Mikrotom', *Jurnal Surya Medika*, 10(1), pp. 362–370.
- Soufizadeh, P., Mansouri, V. and Ahmadbeigi, N. (2024) 'A review of animal models utilized in preclinical studies of approved gene therapy products: trends and insights', *Laboratory Animal Research*. BioMed Central Ltd. Available at: <https://doi.org/10.1186/s42826-024-00195-6>.
- Standley, A. *et al.* (2024) 'Working with Miraculous Mice: *Mus musculus* as a Model Organism', *Current Protocols*, 4(10). Available at: <https://doi.org/10.1002/cpz1.70021>.
- Suaidi, N.A. *et al.* (2022) 'Toxicological Effects of Technical Xylene Mixtures on the Female Reproductive System: A Systematic Review', *Toxics*, 10(5), pp. 1–20. Available at: <https://doi.org/10.3390/toxics10050235>.
- Tamam, M.B. (2016) *Anatomi, Morfologi dan Klasifikasi Mencit (Mus musculus)*, *Generasi Biologi Indonesia*. Available at: <https://generasibiologi.com/anatomi->

morfologi-fisiologi-klasifikasi-nama-ilmiah-latin-mencit-mus-musculus/.

Tristania Shofi Nazhiifah and Sofyanita, E.N. (2023) 'Perbedaan Hasil Pewarnaan Hematoxylin Eosin (HE) Pada Histologi Kulit Mencit (*Mus musculus*) Berdasarkan Ketebalan Pemotongan 3 Mm, 6 Mm Dan 9 Mm', *Borneo Journal Of Medical Laboratory Technology*, 6(1), pp. 474–480. Available at: <http://journal.umpalangkaraya.ac.id/index.php/bjmlt>.

Utami, Y.P. *et al.* (2025) *Teknik Dasar Histopatologi*. Edited by R.A.F.W. Iswara and Z.M. Aini. Purbalingga: Eureka Media Aksara.

Verbeke, H. *et al.* (2023) *Belgian Recommendations for Analytical Verification and Validation of Immunohistochemical Tests in Laboratories of Anatomic Pathology*. Available at: www.appliedimmunohist.com.

Weng, Z. *et al.* (2024) 'GrandQC: A comprehensive solution to quality control problem in digital pathology', *Nature Communications* , 15(1). Available at: <https://doi.org/10.1038/s41467-024-54769-y>.