

DAFTAR PUSTAKA

- Aburel, O. M., Pavel, I. Z., Dănilă, M. D., Lelcu, T., Roi, A., Lighezan, R., Muntean, D. M., & Rusu, L. C. (2021). Pleiotropic Effects of Eugenol: The Good, the Bad, and the Unknown. In *Oxidative Medicine and Cellular Longevity* (Vol. 2021). Hindawi Limited. <https://doi.org/10.1155/2021/3165159>
- Amelia, I., Herda, E., & Eriwati, Y. K. (2018). Sealing ability of zinc oxide eugenol and non-eugenol-based temporary filling. *Journal of Physics: Conference Series*, 1073(6). <https://doi.org/10.1088/1742-6596/1073/6/062014>
- Bueno, J. (2015). Models of evaluation of antimicrobial activity of essential oils in vapour phase: a promising use in healthcare decontamination. *Natural Volatiles & Essential Oils*, 2(2), 16–29. <https://dergipark.org.tr/en/pub/nveo/issue/19771/211766>
- Cai, J., Cho, S. W., Kim, J. Y., Lee, M. J., Cha, Y. G., & Jung, H. S. (2007). Patterning the size and number of tooth and its cusps. *Developmental Biology*, 304(2), 499–507. <https://doi.org/10.1016/j.ydbio.2007.01.002>
- Cecília, A., Silva, O., Faria, M. R., Fontes, A., Campos, M. S., & Cavalcanti, B. N. (2009). Interleukin-1 Beta And Interleukin-8 In Healthy And Inflamed Dental Pulp. In *J Appl Oral Sci* (Vol. 17, Issue 5). www.fob.usp.br/jaos
- Chung, M. K., Lee, J., Duraes, G., & Ro, J. Y. (2011). Lipopolysaccharide-induced pulpitis up-regulates TRPV1 in trigeminal ganglia. *Journal of Dental Research*, 90(9), 1103–1107. <https://doi.org/10.1177/0022034511413284>
- Cizkova, K., Foltynkova, T., Gachechiladze, M., & Tauber, Z. (2021). Comparative analysis of immunohistochemical staining intensity determined by light microscopy, imagej and qupath in placental hofbauer cells. *Acta Histochemica et Cytochemica*, 54(1), 21–29. <https://doi.org/10.1267/ahc.20-00032>
- Colombini-Ishikiriama, B. L., Dionisio, T. J., Garbieri, T. F., Da Silva, R. A., Machado, M. A. A. M., De Oliveira, S. H. P., Lara, V. S., Greene, A. S., & Santos, C. F. (2020). What is the response profile of deciduous pulp fibroblasts stimulated with E. coli LPS and E. faecalis LTA? *BMC Immunology*, 21(1). <https://doi.org/10.1186/s12865-020-00367-8>
- El karim, I. A., Cooper, P. R., About, I., Tomson, P. L., Lundy, F. T., & Duncan, H. F. (2021). Deciphering Reparative Processes in the Inflamed Dental Pulp. *Frontiers in Dental Medicine*, 2(March), 1–10. <https://doi.org/10.3389/fdmed.2021.651219>

- Enggardipta, R. A., Haniastuti, T., & Handajani, J. (2016). Efek eugenol terhadap jumlah sel inflamasi pada pulpa gigi molar tikus Sprague Dawley. *Majalah Kedokteran Gigi Indonesia*, 2(2), 66. <https://doi.org/10.22146/majkedgiind.8730>
- Escobar-García, M., Rodríguez-Contreras, K., Ruiz-Rodríguez, S., Pierdant-Pérez, M., Cerda-Cristerna, B., & Pozos-Guillén, A. (2016). Eugenol toxicity in human dental pulp fibroblasts of primary teeth. *Journal of Clinical Pediatric Dentistry*, 40(4), 312–318. <https://doi.org/10.17796/1053-4628-40.4.312>
- Featherstone, J., & Ramos Gomez, F. (2019). CAMBRA® Caries Management by Risk Assessment A Comprehensive Caries Management Guide for Dental Professionals BEECON View project Mechanism Behind Silver Diamine Fluoride View project. *Article in Journal of the California Dental Association*, July, 109. <https://www.researchgate.net/publication/334401386>
- Fedchenko, N., & Reifenrath, J. (2014). Different approaches for interpretation and reporting of immunohistochemistry analysis results in the bone tissue - a review. *Diagnostic Pathology*, 9, 221. <https://doi.org/10.1186/s13000-014-0221-9>
- Galler, K. M., Weber, M., Korkmaz, Y., Widbiller, M., & Feuerer, M. (2021). Inflammatory response mechanisms of the dentine–pulp complex and the periapical tissues. *International Journal of Molecular Sciences*, 22(3), 1–23. <https://doi.org/10.3390/ijms22031480>
- Ghasemi, Asghar; Sajad, J. K. K. (2021). Review Article : The Laboratory Rat : Age And Body Weight Matter. *EXCLI Journal* 2021;20:1431-1445, 2005, 1431–1445.
- Goldberg, M. (2017). Deciduous Tooth and Dental Caries. *Annals Pediatrics & Child Health*, 5(1), 1120–1125.
- González-Lugo, O. E., Escobar-García, D. M., Pozos-Guillén, A. D. J., Peña, P. P., Luis, A. C., Sosa-Macías, M., Aseff, I. L., Rangel-López, A., & Vértiz-Hernández, A. A. (2022). Analgesic Ed50 Diclofenac-Eugenol Combination Effect On Proinflammatory Cytokines – Il-1 β , Il-6, Tnf α And Mapks – In Rat Muscle. *Farmacia*, 70(4), 583–588. <https://doi.org/10.31925/farmacia.2022.4.2>
- Gopikrishna, V. (2021). *Grossman's Endodontic Practice*. Wolters Kluwer.
- Hall, B. E., Zhang, L., Sun, Z. J., Utreras, E., Prochazkova, M., Cho, A., Terse, A., Arany, P., Dolan, J. C., Schmidt, B. L., & Kulkarni, A. B. (2016). Conditional TNF- α Overexpression in the Tooth and Alveolar Bone Results in Painful Pulpitis and Osteitis. *Journal of Dental Research*, 95(2), 188–195. <https://doi.org/10.1177/0022034515612022>

- Hau, J., & Van Hoosier, G. (2002). Handbook of laboratory animal science, second edition: Essential principles and practices. In *Handbook of Laboratory Animal Science, Second Edition: Essential Principles and Practices* (Vol. 1).
- John Shibin, J., GS, P., & M, S. (2020). Zinc Oxide Eugenol as an Obturation Material in Primary Dentition. *Acta Scientific Dental Sciences*, 4(12), 35–38. <https://doi.org/10.31080/asds.2020.04.0978>
- Kabiraj, A., Gupta, J., Khaitan, T., & Bhattacharya, P. T. (2015). Principle and Techniques of Immunohistochemistry – a Review. *Int J Biol Med Res*, 6(3), 5204–5210.
- Kementerian Kesehatan RI. (2008). *Pedoman Pengobatan Dasar di Puskesmas 2007*. 1–247.
- Kim, S. W., Roh, J., & Park, C. S. (2016). Immunohistochemistry for pathologists: Protocols, pitfalls, and tips. *Journal of Pathology and Translational Medicine*, 50(6), 411–418. <https://doi.org/10.4132/jptm.2016.08.08>
- Kritikou, K., Greabu, M., Imre, M., Miricescu, D., Totan, A. R., Burcea, M., Stanescu-Spinu, I. I., & Spinu, T. (2021). ILs and MMPs levels in inflamed human dental pulp: A systematic review. *Molecules*, 26(14), 1–13. <https://doi.org/10.3390/molecules26144129>
- Kundabala, M., Jagadish, S., & Ramya, S. (2014). Efficacy of Ledermix as a root canal medicament in symptomatic teeth: A clinical study. *Journal of Interdisciplinary Dentistry*, 4(2), 85. <https://doi.org/10.4103/2229-5194.142944>
- Le Fournis, C., Jeanneau, C., Roumani, S., Giraud, T., & About, I. (2020). Pulp Fibroblasts Contribution to the Local Control of Pulp Inflammation via Complement Activation. *Journal of Endodontics*, 46(9). <https://doi.org/10.1016/j.joen.2020.06.029>
- Liu, C., & Tang, J. (2014). Expression levels of tumor necrosis factor- α and the corresponding receptors are correlated with trauma severity. *Oncology Letters*, 8(6), 2747–2751. <https://doi.org/10.3892/ol.2014.2575>
- Malathy, L., Priya, S., Babu, N. A., & Anitha, N. (2020). Immunohistochemistry- a brief note on technical protocols. *European Journal of Molecular and Clinical Medicine*, 7(10), 696–702. <https://www.embase.com/search/results?subaction=viewrecord&id=L2010489307&from=export>
- Mansi, Z. M., Al-Badri, H. M., & Amory, Z. S. (2019). The Effect of Three Different Dressing Materials on Pain Relief of Symptomatic Teeth . Randomized Clinical Trial. *Mdj*, 16(1), 8–14.

- Markowitz, K., Moynihan, M., Liu, M., & Kim, S. (1992). Biologic properties of eugenol and zinc oxide-eugenol. *Oral Surgery, Oral Medicine, Oral Pathology*, 73(6), 729–737. [https://doi.org/10.1016/0030-4220\(92\)90020-q](https://doi.org/10.1016/0030-4220(92)90020-q)
- Martínez-Herrera, A., Pozos-Guillén, A., Ruiz-Rodríguez, S., Garrocho-Rangel, A., Vértiz-Hernández, A., & Escobar-García, D. M. (2016). Effect of 4-Allyl-1-hydroxy-2-methoxybenzene (Eugenol) on Inflammatory and Apoptosis Processes in Dental Pulp Fibroblasts. *Mediators of Inflammation*, 2016. <https://doi.org/10.1155/2016/9371403>
- Mattulada, I. K. (2010). Pemilihan medikamen intrakanal antar kunjungan yang rasional. *Denfofasial*, 9(1), 63–69.
- Nisar, M. F., Khadim, M., Rafiq, M., Chen, J., Yang, Y., & Wan, C. C. (2021). Pharmacological Properties and Health Benefits of Eugenol: A Comprehensive Review. *Oxidative Medicine and Cellular Longevity*, 2021. <https://doi.org/10.1155/2021/2497354>
- Nyerere, J. W., Matee, M. I., & Simon, E. N. M. (2006). Emergency pulpotomy in relieving acute dental pain among Tanzanian patients. *BMC Oral Health*, 6. <https://doi.org/10.1186/1472-6831-6-1>
- Olujide, S. (2021). Cohen's Pathways of the Pulp. In *Dental Update* (Vol. 48, Issue 3). <https://doi.org/10.12968/denu.2021.48.3.248>
- Rechenberg, D. K., Galicia, J. C., & Peters, O. A. (2016). Biological markers for pulpal inflammation: A systematic review. *PLoS ONE*, 11(11), 1–24. <https://doi.org/10.1371/journal.pone.0167289>
- Rosidah, I., Ningsih, S., Renggani, T. N., Efendi, J., & Agustini, K. (2020). Profil Hematologi Tikus (*Rattus Norvegicus*) Galur Sprague-Dawley Jantan Umur 7 Dan 10 Minggu. *Jurnal Bioteknologi & Biosains Indonesia (JBBI)*, 7(1), 136–145. <https://doi.org/10.29122/jbbi.v7i1.3568>
- S. Anita, A. R. (2018). Pencarian Rumus Perhitungan Jumlah Sampel Minimal yang Digunakan Pada Penelitian Perilaku Perjalanan Terdahulu Searching for Minimum Number of Sample Formula Used in Previous. *Jurnal Manajemen Aset Infrastruktur & Fasilitas*, 2(2), 53–64.
- Sengupta, P. (2013). The laboratory rat: Relating its age with human's. *International Journal of Preventive Medicine*, 4(6), 624–630.
- Silva dkk 2019- *The Role of TNF-α as a Proinflammatory Cytokine in Pathological Processes.pdf*. (n.d.).
- Speidel, J. (2021). Detection Methods. *Signals and Communication Technology*, 31–46. https://doi.org/10.1007/978-3-030-67357-4_3

Tronstad, L. (2020). Clinical Endodontic A Textbook. In *Four Classics on the Theory of Double-Entry Bookkeeping (RLE Accounting)*. <https://doi.org/10.4324/9781315886411-23>

Trontad, L. (2006). *Management of endodontic emergency*. Oslo, Norwe.

Tsai, C. L., Hung, S. L., Lee, Y. Y., Ho, Y. C., & Yang, S. F. (2021). The role of fibroblasts in the modulation of dental pulp inflammation. *Journal of the Formosan Medical Association*. <https://doi.org/10.1016/j.jfma.2021.05.007>

Wajant, H., & Siegmund, D. (2019). TNFR1 and TNFR2 in the control of the life and death balance of macrophages. In *Frontiers in Cell and Developmental Biology* (Vol. 7, Issue May). Frontiers Media S.A. <https://doi.org/10.3389/fcell.2019.00091>

Wang, T. H., Hsia, S. M., Wu, C. H., Ko, S. Y., Chen, M. Y., Shih, Y. H., Shieh, T. M., Chuang, L. C., & Wu, C. Y. (2016). Evaluation of the antibacterial potential of liquid and vapor phase phenolic essential oil compounds against oral microorganisms. *PLoS ONE*, 11(9), 1–17. <https://doi.org/10.1371/journal.pone.0163147>

Zaky, S. H., Shehabeldin, M., Ray, H., & Sfeir, C. (2021). The role of inflammation modulation in dental pulp regeneration. *European Cells and Materials*, 41, 184–193. <https://doi.org/10.22203/eCM.v041a13>

Zhan, C., Huang, M., Yang, X., & Hou, J. (2021). Dental nerves: a neglected mediator of pulpitis. In *International Endodontic Journal* (Vol. 54, Issue 1, pp. 85–99). Blackwell Publishing Ltd. <https://doi.org/10.1111/iej.13400>