

DAFTAR PUSTAKA

- Bergmeier, L. A. 2018. *Oral Mucosa in Health and Disease: A Concise Handbook*. Springer International Publishing. Switzerland. pp. 1-6.
- Berniyanti, T. 2018. *Biomarker Toksisitas: Paparan Logam Tingkat Molekuler*. Airlangga University Press. Surabaya. pp. 97.
- Chen, Q. Y., DesMarais, T., dan Costa, M. 2019. Metals and mechanism of carcinogenesis. *Annu Rev Pharmacol Toxicol*. 6(59): 537-554.
- Dewi, A. 2013. Pengaruh paparan emisi gas buang kendaraan bermotor dan asap rokok terhadap pembentukan mikronukleus di mukosa rongga mulut petugas parkir. *Jurnal Media Medika Muda*. 1-2.
- Dey, P. 2018. *Basic and Advanced Laboratory Techniques in Histopathology and Cytology*. Chandigarh: Springer Nature Singapore Pte Ltd.. pp. 133-138.
- Dinas Kesehatan Gunung Kidul. 2018. *Mengenal Unsur Kimia: Arsen*. Available at: <https://dinkes.gunungkidulkab.go.id/mengenal-unsur-kimia-arsen-informasi-kesehatan-umum-labkes-dinkes-gk/>, diakses 16 Desember 2023.
- Federico, C., Vitale, V., Porta, N. L., dan Saccone, S. 2019. Buccal micronucleus assay in human populations from Sicily (Italy) exposed to petrochemical industry pollutants. *Environmental Science and Pollution Research*. 26: 7048-7054.
- Fenech, M., Knasmueller, S., Bolognesi, C., Holland, N., Bonassi, S., dan Volders, M. K. 2020. Micronuclei as biomarkers of DNA damage, aneuploidy, inducers of chromosomal hypermutation and as sources of pro-inflammatory DNA in humans. *Reviews in Mutation Research*. 786: 1-33.
- Holland, N., Bolognesi, C., Volders, M. K., Bonassi, S., Zeiger, E., Knasmueller, S., dan Fenech, M. 2008. The micronucleus assay in human buccal cells as a tool for biomonitoring DNA damage: The HUMN project perspective on current status and knowledge gaps. *Mutation Research*. 659(1-2): 93-108.
- International Labour Organization. 2005. *Code of Practice on Safety and Health in the Iron and Steel Industry*. International Labour Office Geneva. Geneva. pp. 69-73.
- Jaishankar, M., Tseten, T., Anbalagan, N., Mathew, B. B., dan Beeregowda, K. N. 2014. Review article: Toxicity, mechanism and health effects of some heavy metals. *Interdiscip Toxicol*. 7(2): 60-72.
- Jasaputra, D. K., dan Santosa, S. 2008. *Metodologi Penelitian Biomedis*. Edisi 2. Danamartha Sejahtera Utama. Bandung. pp. 46-49.
- Kim, H. S., Kim, Y. J., dan Seo, Y. R. 2015. An overview of carcinogenic heavy metal: Molecular toxicity mechanism and prevention. *Journal of Cancer Prevention*. 20(4): 232-239.

- Kocadal, K., Alkas, F. B., Battal, D., dan Saygi, S. 2020. Cellular pathologies and genotoxic effects arising secondary to heavy metal exposure: A review. *Human and Experimental Toxicology*. 39(1): 3-13.
- Koedrith, P., dan Seo, Y. R. 2011. Advances in carcinogenic metal toxicity and potential molecular markers. *International Journal of Molecular Sciences*. 12(12): 9576-9595.
- Mahmoud, N., Al-Shahwani, D., Al-Thani, H., dan Isaifan, R. J. 2023. Risk Assessment of the Impact of Heavy Metals in Urban Traffic Dust on Human Health. *Atmosphere*. 14(6): 1-11.
- Malay, M. N. 2022. *Belajar Mudah & Praktis Analisis Data dengan SPSS dan JASP*. CV. Madani Jaya. Bandar Lampung. pp. 10-11, 22-28, 72-74.
- Ministry of Health and Family Welfare. 2005. *Manual for Cytology*. Government of India. India. pp. 27.
- Moelyaningrum, A. D. 2016. Timah hitam (Pb) dan karies gigi. *Stomatognatic*. 13(1): 28-31.
- Mood, M. B., Naseri, K., Tahergorabi, Z., Khazdair, M. R., dan Sadeghi, M. 2021. Toxic mechanism of five heavy metals: Mercury, lead, chromium, cadmium, and arsenic. *Frontiers in Pharmacology*. 12: 1-19.
- Morales, M. E., Derbes, R. S., Ade, C. M., Ortego, J. C., Stark, J., Deininger, P. L., dan Engel, A. M. R. 2016. Heavy metal exposure influences double strand break DNA repair outcomes. *PloS One*. 11(3): 1-21.
- Morishita, Y., Hasegawa, S., Koie, S., Ueda, S., Miyabe, S., Watanabe, S., Goto, M., Miyachi, H., Nomoto, S., dan Nagao, T. 2022. Cytotoxic, genotoxic, and toxicogenomic effects of heated tobacco products and cigarette smoke in human primary keratinocytes. *Tobacco Induced Disease*. 20(82): 1-9.
- Mounika, G., Sridevi, K., Krishnaveni, B., Kumar, N. P., Naidu, H., dan Sahi, B. K. 2021. Evaluation of genomic damage from buccal epithelial cells in patients subjected to cone beam computed tomography. *Journal of Indian Academy of Oral Medicine & Radiology*. 33(4): 372-378.
- Ohiagu, F. O., Chikezie, P. C., Ahaneku, C. C., dan Chikezie, C. M. 2022. Human exposure to heavy metals: Toxicity mechanisms and health implications. *Material Science & Engineering International Journal*. 6(1): 78-87.
- Petersen, L. N., Bjerregaard, V. A., Nielsen, F. C., Tommerup, N., dan Tumer, Z. 2020. Chromothripsis and DNA repair disorders. *Journal of Clinical Medicine*. 9(613): 1-9.
- Pinheiro, L. C. P., Nascimento, H. M. S., Menegardo, C. S., Silva, R. G., Lorenzoni, D. C., dan Souza, L. N. D. G. D. 2016. Nuclear alterations in nasal mucosa epithelial cells of students exposed to formaldehyde. *Med Segur Trab*. 62(242): 6.
- Pop, A. M., Coros, R., Stoica, A. M., dan Monea, M. 2021. Early diagnosis of oral mucosal alterations in smokers and e-cigarette users based on micronuclei

- count: a cross-sectional study among dental students. *International Journal of Environmental Research and Public Health*. 18(24): 1-10.
- Putra, R., Asnawi, Sayuti, M., dan Muhammad. 2019. *Pengantar Pengolahan Bahan Logam*. Sefa Bumi Persada. Aceh. pp. 1-85.
- Rahmad, R., Dewi, N., dan Rosida, L. 2016. Pengaruh paparan batubara terhadap jumlah mikronukleus mukosa bukal pada pekerja tambang batubara di kecamatan murung pudak kabupaten tabalong. *Dentino Jurnal Kedokteran Gigi*. 1(2): 129-134.
- Rahmah, N., Dewi, N., dan Rahardja, S. D. 2016. Analisis sitogenik mikronukleus mukosa bukal pada perokok aktif dan pasif. *Dentino Jurnal Kedokteran Gigi*. 1(1): 15-20.
- Sabirin, I. P. R. 2015. Sitopatologi eksfoliatif mukosa oral sebagai pemeriksaan penunjang di Kedokteran Gigi. *Jurnal Kedokteran dan Kesehatan*. 2(1): 157-161.
- Santiago, A. E. G., Gonzales, G. M. Z., Meda, B. C. G., Corral, F. J. G., Perez, A. L. Z., dan Parada, M. G. S. 2021. Evaluation of young adults exposed to high levels of air pollution in a mexican metropolitan zone using buccal micronucleus cytome assay. *BioMed Research International*. (2021): 1-10.
- Saputra, R. S. R. 2020. *Pengecoran Logam*. Institut Sains dan Teknologi Nasional. Jakarta. pp. 2.
- Sari S. D., Arina M. D., dan Ermawati T. 2015. Hubungan pengetahuan kesehatan gigi mulut dengan status kebersihan rongga mulut pada lansia. *Jurnal IKESMA*. 11(1): 44-51.
- Setiabudi, D., Amalina, R., dan Feranisa, A. 2021. Pembentukan mikronukleus di mukosa bukal akibat paparan senyawa kimia pada berbagai macam pekerjaan. *e-GiGi*. 9(1): 99-106.
- Shahsavari, F., Mikaeli, S., dan Ghorbanpour, M. 2021. Micronucleus assay in the exfoliated cells of buccal mucosa of gasoline station workers in Tehran. *J Can Res Ther*. 18(4): 1030-1035.
- Sofyan, N. 2023. *Pengetahuan Bahan Logam*. Institut Seni Indonesia Surakarta. Surakarta. pp. 17-25.
- Sommer, S., Buraczewska, I., dan Kruszewki, M. 2020. Micronucleus Assay: The State of Art, and Future Directions. *International Journal of Molecular Sciences*. 21(4): 1-19.
- Squier, C., dan Brogden, K. A. 2011. *Human Oral Mucosa*. 1st Edition. Wiley-Blackwell: A John Wiley & Sons, Inc. UK. pp. 24-25.
- Sugiyono. 2013. *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. Penerbit Alfabeta. Bandung. pp. 84-85.
- Syarifah, M. D., Widyaningrum, R., dan Shantiningasih, R. R. 2020. Perbedaan jumlah mikronukleus mukosa gingiva dan mukosa bukal akibat radiasi

- radiografi panoramik. *Jurnal Radiologi Dentomaksilofasial Indonesia*. 4(1): 11-15.
- Thomas, P., Holland, N., Bolognesi, C., Volders, M. K., Bonassi, S., Zeiger, E., Knasmueller, S., dan Fenech, M. 2009. Buccal micronucleus cytome assay. *Nature Protocols*. 4(6): 825-837.
- Tim Riskesdas 2018. 2019. *Laporan Nasional Riskesdas 2018*. Balitbangkes Kemenkes RI. Jakarta.
- Upadhyay, M., Verma, P., Sabharwal, R., Subudhi, S. K., Tekade, S. J., Naphade, V., Choudhury, B. K., dan Sahoo, P. D. 2019. Micronuclei in exfoliated cells: A biomarker of genotoxicity in tobacco users. *Nigerian Journal of Surgery*. 25(1): 52-59.
- Witkowska, D., Slowik, J., dan Chilicka, K. 2021. Heavy Metals and Human Health: Possible Exposure Pathways and the Competition for Protein Binding Sites. *Molecules*. 26(19): 1-16.
- Yee, K. H., Jonarta, A. L., dan Tandelilin, R. T. C. 2015. Micronucleus frequency in exfoliated buccal cells from hairdresser who expose to hair products. *Majalah Kedokteran Gigi*. 48(2): 74-79.
- Yuan, W., Yang, N., dan Li, X. 2016. Advances in understanding how heavy metal pollution triggers gastric cancer. *Biomed Research International*. 2016: 1-11.
- Zachary, J. F., dan Miller, M. A. 2016. *Pathologic Basis of Veterinary Disease Expert Consult*. Sixth Edition. Mosby. USA. pp. 8.