



DAFTAR PUSTAKA

- Adyanti, D., A., Novitasari, D. C. R., dan Fanani, A. (2018) Support Vector Machine Multiclass using Polynomial Kernel for Osteoporosis Detection, *Proceedings of the International Conference on Mathematics and Islam* : 384-390.
- Alapati, S., Reddy, R. S., Tatapudi, R., Kotha, R., Bodu, N. K., dan Chennoju, S. (2015) Identifying Risk Groups for Osteoporosis by Digital Panoramic Radiography, *Contemporary Clinical Dentistry* : 1-5.
- Aliaga, I., Vera, V., Vera, M., García, E., Pedrera, M., dan Pajares, G., (2020) Automatic Computation of Mandibular Indices in Dental Panoramic Radiographs for Early Osteoporosis Detection, *Artificial Intelligence in Medicine*, 103 : 1-17.
- Aljabri, S. S. Aljameel, N. Min-Allah et al., "Canine impaction classification from panoramic dental radiographic images using deep learning models," *Informatics in Medicine Unlocked*, vol. 30, Article ID 100918, 2021.
- Alshahrani F. M., dan Almaki, M. H. (2015) Densitometric Diagnosis of Osteoporosis (pp. 1-5) in *Advances in Osteoporosis*.
- Alzubaidi, M. A., dan Otoom, M. (2020) A Comprehensive Study on Feature Types for Osteoporosis Classification in Dental Panoramic Radiographs, *Computer Method and Programs in Biomedicine*, 188 : 1-12.
- Astuti, E. R., Arifin, A. Z., Indraswari, R., Putra, R. H., Ramadhani, N. F., Pramatika, B. (2022) Computer-Aided System of the Mandibular Cortical Bone Porosity Assessment on Digital Panoramic Radiographs, *European Journal of Dentistry* : 1-8.
- Baig, M., Tariq, S., dan Taris S. (2015) Homocysteine and Leptin in the Pathogenesis of Osteoporosis - Evidences, Conflicts, and Expectations (pp. 37-59) in *Advances in Osteoporosis*.
- Bartl, R., dan Bartl, C. (2019) *The Osteoporosis Manual : Prevention, Diagnosis and Management*, Munich : Springer, pp. 22, 43, 89, 90, 93, 104.
- Belgin, C. A., dan Serindere, G. (2019) Evaluation of Error Types and Quality on Panoramic Radiography, *International Dental Research*, 9(3) : 99-104.
- Breeland, G., Aktar, A., dan Patel, B. C. (2022) *Anatomy, Head and Neck, Mandible*, New York : StatPearls Publishing, pp. 64-68.
- Calciolari, E., Donos, N., Park, J. C., Petrie, A., dan Mardas, N. (2015) Panoramic Measures for Oral Bone Mass in Detecting Osteoporosis : A Systematic Review and Meta-Analysis, *JDR Clinical Research Supplement*, 94(3) : 175-275.
- Devikkanniga, D., dan Raj, R. J., S. (2018) Classification of Osteoporosis by Artificial Neural Network based on Monarch Butterfly Optimisation Algorithm, *Healthcare Technology Letters*, 5(2) : 70-75.
- Dewi, S. S. S., Aswan, Y., Pebrianthy, L., Siregar N., Lubis, M. S., Batubara, R. A., dan Pohan, S. Y., (2023) Factors Related to Occuring Osteoporosis in Women of Childbearing Age, *Tapanuli International Health Conference 2022 (TIHC 2022)*, Atlantis Press, pp. 254-262.
- Dionyssiotis, Y. (2012) *Osteoporosis*, Croatia : Intechopen, pp. 821, 822,



- Dionyssiotis, Y. (2015) *Advances in Osteoporosis*, Croatia : Intechopen, pp. 1-3, 37-39.
- Edvardsen, I. P., Teterina, A., Johansen, T., Myhre, J. N., Godtliebsen, F., dan Bolstad, N. L. (2022) Automatic Detection of The Mental Foramen for Estimating Mandibular Cortical Width in Dental Panoramic Radiographs : The Seventh Survey of The Tromsø Study (Tromsø7) in 2015–2016, *Journal of International Medical Research*, 50(11) : 1-17.
- Fathima, S. M. N., Tamilselvi, R., dan Beham, M. P. (2020) A Survey on Osteoporosis Detection Methods with a Focus on X-ray and DEXA Images, *IETE Journal of Research*, 68(6) : 1-24.
- Ferizi, U., Honig, S., dan Chang, G., (2019) Artificial intelligence, Osteoporosis and Fragility Fractures, *Current Opinion in Rheumatology*, 31(4) : 368-375.
- Franco, A., Posto., L., Heng, D., Murray, J., Lygate, A., Franco, R., Bueno, J., Sobania, M., Costa, M. M., Paranhos, L. R., Manica, S., dan Abade, A. (2022) Diagnostic Performance of Convolutional Neural Networks for Dental Sexual Dimorphism, *Scientific Reports*, 12(1) : 1-12.
- Geraets, W., Jonasson, G., Hakeberg, M. (2018) Predicting Fractures using Trabecular Patterns on Panoramic Radiographs, *Clinical Oral Investigations*, 22 : 377-384.
- Giannoudis, P. V., dan Einhorn, T. A. (2020) *Surgical and Medical Treatment of Osteoporosis : Principles and Practice*, Boca Raton : CRC Press, pp. 44, 45.
- Gibbons, J. A. M., dan Gibbons, C. J. S. (2019) Machine Learning in Medicine : a Practical Introduction, *BMC Medical research Methodology*, 19(64) : 1-18.
- Gijn, D. V. (2022) *Oxford Handbook of Head and Neck Anatomy*, New York : Oxford, pp. 64-68.
- Hak, D. J., dan Banegas, R., Diagnosis : Radiological Investigations (pp.43-48) in *Surgical and Medical Treatment of Osteoporosis : Principles and Practice*.
- Humaryanto, H., dan Syauqy, A., (2019) Gambaran Indeks Massa Tubuh dan Densitas Massa Tulang sebagai Faktor Risiko Osteoporosis pada Wanita, *Jurnal Kedokteran Brawijaya*, 30(3) : 218-222.
- Hung, K., Montalvoa, C., Tanaka, R., Kawai, T., dan Bornstein, M.M. (2019) The Use and Performance of Artificial Intelligence Applications in Dental and Maxillofacial Radiology : a Systematic Review, *Dentomaxillofacial Radiology*, 49(1) : 1-22.
- Hwang, J. J., Lee, J. H., Han, S. S., Kim, Y. H., Jeong, H. G., Choi, Y. J., dan Park, W. (2017) Strut Analysis for Osteoporosis Detection Model using Dental Panoramic Radiography, *Dentomaxillofacial Radiology*, 46(7) : 1-10.
- Jacob, L. E., Subramanian, K., Srinivasan, S., Krishnan, M., Krishnan, A., dan Mathew, A. (2022) Assessment of the Efficacy of Digital Panoramic Radiographs in Analyzing Changes in Bone Mineral Density in Postmenopausal Women, *Journal of Family Medicine and Primary Care*, 11 : 4342-4348.
- Kathivelu, D., Vinupritha, P., dan Kalpana, V. (2019) A Computer Aided Diagnosis System for Measurement of Mandibular Cortical Thickness on Dental



Panoramic Radiographs in Prediction of Women with Low Bone Mineral Density, *Journal of Medical System*, 43 : 1-7.

- Kavitha, M. S., An, S. Y., An, C. H., Huh, K. H., Yi, W. J., Heo, M. S., Lee, S. S., dan Choi, S. C. (2015) Texture Analysis of Mandibular Cortical Bone on Digital Dental Panoramic Radiographs for the Diagnosis of Osteoporosis in Korean Women, *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, 119(3) : 346-356.
- Kavitha, M. S., Ganesh Kumar, P., Park, S. Y., Huh, K. H., Heo, M. S., Kurita, T., Asano, A., An, S. Y., dan Chien, S. I. (2016) Automatic Detection of Osteoporosis based on Hybrid Genetic Swarm Fuzzy Classifier Approaches, *Dentomaxillofacial Radiology*, 45(7) : 1-13.
- Khanagar, S. B., Al-Ehaideb, A., Maganur, P. C., Vishwanathaiah, S., Patil, S., Baeshen, H. A., Sarode, S. C., dan Bhandi, S. (2021) Developments, Application, and Performance of Artificial Intelligence in Dentistry—A Systematic Review, *Journal of Dental Sciences*, 16(1) : 508-522.
- Kulkarni, A. S. (2019) *Oral Medicine and Radiology*, New Delhi : CBS Publishers & Distributors, pp. 201-202.
- Lee, J. S., Adhikari, S., Liu, L., Jeong, H. G., Kim, H., dan Yoon, S. J. (2019) Osteoporosis Detection in Panoramic Radiographs using a Deep Convolutional Neural Network-based Computer-assisted Diagnosis System : a Preliminary Study, *Dentomaxillofacial Radiology*, 48(1) : 1-8.
- Lee, K. S., Jung, S. K., Ryu, J. J., Shin, S. W., dan Choi, J. (2020) Evaluation of Transfer Learning with Deep Convolutional Neural Networks for Screening Osteoporosis in Dental Panoramic Radiographs, *Journal of clinical medicine*, 9(2) : 1-13.
- Lenzi, A dan Miglioaccio, S. (2018) *Multidisciplinary Approach to Osteoporosis : From Assessment to Treatment*, Switzerland : Springer, pp. 25, 45
- Mallya, S. M., dan Lam, E. W. N. (2014) *White and Pharoah's Oral Radiology : Principles and Interpretation*, 8th ed., Toronto : Elsevier, pp.421.
- Marcocci, C., dan Saponaro, F. (2018) Osteoporosis Diagnosis (pp. 45-57) in *Multidisciplinary Approach to Osteoporosis : From Assessment to Treatment*
- Marini, F., Masi, L., Marcucci, G., Cianferotti, L., dan Brandi, M. L. (2018) Genetics of Osteoporosis (pp.25-44) in *Multidisciplinary Approach to Osteoporosis : From Assessment to Treatment*
- Marwah, S. (2021) Asosiasi Teh, Kopi, dan Osteoporosis, *Indonesian Journal of Nursing and Health Sciences*, 2(2) : 49-56.
- Marya, C. M., dan Dhingra, C., (2018) Effect of Osteoporosis on Oral Health, *Archives of Medicine*, 8(21) : 1-8.
- McCauley, L. K., (2020) Clinical Recommendations for Prevention of Secondary Fractures in Patients with Osteoporosis : Implications for Dental Care, *The Journal of the American Dental Association*, 151(5) : 311-313.
- Miedany, Y. (2020) *New Horizons in Osteoporosis Management*, Canterbury : Springer, pp. 246, 247.



- Mudjosemedi, M., Widyaningrum, R., dan Gracea, R. S., (2015) Perbedaan Hasil Pengukuran Horizontal pada Tulang Mandibula dengan Radiograf Panoramik, *Majalah Kedokteran Gigi Indonesia*, 1(1) : 78-85.
- Nasreen, S., Ramesh, D. N. S. V., Thriveni, R., Bayatnal, A., Chowdhury, R. M., Kattimani, S., dan Saba, R., (2019) Assessment of Alveolar Bone Mass using Radio Morphometric Indices in Urban and Rural Postmenopausal Women and Their Correlation with Serum Vitamin D3 Level, *Indian Journal of Dental Research*, 30(5) : 722-730.
- Noh, J. Y., Yang, Y., dan Jung, H. (2020) Molecular Mechanisms and Emerging Therapeutics for Osteoporosis, *International Journal of Molecular Sciences*, 21(20) : 1-22.
- Nohra, J., Sacre, Y., Abdel-Nour, A., dan Mannan, H., (2022) Evaluation of Knowledge, Attitudes, and Practices Related to Osteoporosis and Correlates of Perceived High Risk among People Living in Two Main Districts of Lebanon, *Journal of Osteoporosis*, (2022) : 1-8.
- Putra, R. H., Doi, C., Yoda, N., Astuti, E. R., dan Sasaki, K. (2022) Current Applications and Development of Artificial Intelligence for Digital Dental Radiography, *Dentomaxillofacial Radiology*, 51(1) : 1-12.
- Ramesh, T., dan Santhi, V. (2021). Clinical Data Based Classification of Osteoporosis and Osteopenia Using Support Vector Machine, *Smart Intelligent Computing and Communication Technology* : 58-66.
- Rieuwpassa, I. E., Fitri, N., Hasyim, R., dan Wulansari, D. P., (2019) The Effect of Low Bone Mineral Density in Stomatognathic System, *Journal of International Dental and Medical Research*, 12(2) : 602-606.
- Sela, E. I., (2021) Deteksi Osteoporosis pada Citra Radiograf Panoramik Dental menggunakan Algoritme J48 dan Learning Vector Quantization, *Jurnal Teknologi dan Sistem Komputer*, 9(4) : 211-217.
- Sela, I. E., Pulungan, R., Widyaningrum, R., dan Shantiningsih, R. R. (2019) Method for Automated Selection of the Trabecular Area in Digital Periapical Radiographic Images Using Morphological Operations, *Healthcare Informations Research*, 25(3) : 193-200.
- Sghaireen, M. G., Alam, M., K., Patih, S. R., Rahman, S. A., Alhabib, S., Lynch, C. D., dan Al-0miri, M. (2020) Morphometric Analysis of Panoramic Mandibular Index, Mental Index, and Antegonial Index, *Journal of International Medical Research*, 48(3) : 1-9.
- Standring, S. (2016) *Gray's Anatomy : The Anatomical Basis of Clinical Practice*, 41st ed., London : Elsevier, pp.488-489.
- Sukegawa, S., Fujimura, A., Taguchi, A., Yamamoto, N., Kitamura, A., Goto, R., Nakano, K., Takabatake, K., Kawai, H., Nagatsuka, H., dan Furuki, Y. (2022) Identification of Osteoporosis using Ensemble Deep Learning Model with Panoramic Radiographs and Clinical Covariates, *Scientific Reports*, 12(1) : 1-10.
- Suprijanto, Azhari, Juliastuti, E., Septyvergy, A., dan Setyagar, N. P. P. (2016) Dental Panoramic Image Analysis for Enhancement Biomarker of Mandibular Condyle for Osteoporosis Early Detection, *Journal of Physics : Conference Series*, 694(1) : 1-5.



- Tassoker, M., Ozic, M. U., & Yuce, F. (2022) Prediction of Osteoporosis Through Deep Learning Algorithms on Panoramic Radiographs, *Research Square* : 1-14.
- Vijay, G., Chitroda, P. K., Katti, G., Shahbaz, S., dan Baba, I., (2015) Prediction of osteoporosis using dental radiographs and age in females, *Journal of mid-life health*, 6(2) : 70-75.
- Watanabe, P. C. A., Watanabe, M. G. C., dan Tiossi, R. (2012) How Dentistry Can Help Fight Osteoporosis (pp 821-852) in *Osteoporosis*.
- White, S. C., dan Pharoah, M. J. (2014) *Oral Radiology : Principles and Interpretation*, 7th ed., Missouri : Elsevier, pp. 166-169.
- Widyaningrum, R., Sela, E. I., Pulungan, R., Septiarini, A. (2023) Automatic Segmentation of Periapical Radiograph using Color Histogram and Machine Learning for Osteoporosis Detection, *International Journal of Dentistry* : 1-9.
- Yamada, S., Uchida, K., Iwamoto, Y., Sugino, N., Yoshinari, N., Kagami, H., dan Taguchi, A. (2015) Panoramic Radiography Measurements, Osteoporosis Diagnoses and Fractures in Japanese Men and Women, *Oral Disease*, 21(3) : 335-341.
- Yeung, A. W. K., dan Mozos, I. (2020) The Innovative and Sustainable Use of Dental Panoramic Radiographs for the Detection of Osteoporosis, *International Journal of Environmental Research and Public Health*, 17(7) : 1-11.
- Yeung, A. W. K., dan Mozos, I. (2020) The Innovative and Sustainable Use of Dental Panoramic Radiographs for the Detection of Osteoporosis, *International Journal of Environmental Research and Public Health*, 17(7) : 1-11.