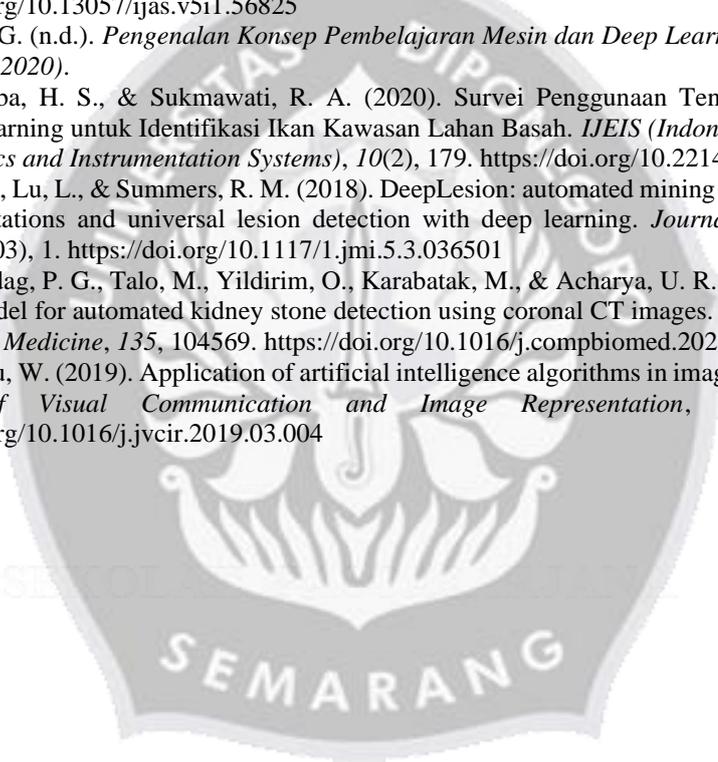# DAFTAR PUSTAKA

Alnazer, I., Bourdon, P., Urruty, T., Falou, O., Khalil, M., Shahin, A., & Fernandez-Maloigne, C. (2021). Recent advances in medical image processing for the evaluation of chronic kidney disease. In *Medical Image Analysis* (Vol. 69). Elsevier B.V. https://doi.org/10.1016/j.media.2021.101960

Asif, S., Zheng, X., & Zhu, Y. (2024). An optimized fusion of deep learning models for kidney stone detection from CT images. *Journal of King Saud University - Computer and Information Sciences*, *36*(7). https://doi.org/10.1016/j.jksuci.2024.102130

Baygin, M., Yaman, O., Barua, P. D., Dogan, S., Tuncer, T., & Acharya, U. R. (2022). Exemplar Darknet19 feature generation technique for automated kidney stone detection with coronal CT images. *Artificial Intelligence in Medicine*, *127*. https://doi.org/10.1016/j.artmed.2022.102274

Bhaskar, N., Borhade, R. R., Barekar, S., Bachute, M., & Bairagi, V. (2024). CNN-CatBoost ensemble deep learning model for enhanced disease detection and classification of kidney disease. *Indonesian Journal of Electrical Engineering and Computer Science*, *34*(1), 144. https://doi.org/10.11591/ijeecs.v34.i1.pp144-151

Black, K. M., Law, H., Aldoukhi, A., Deng, J., & Ghani, K. R. (2020). Deep learning computer vision algorithm for detecting kidney stone composition. *BJU International*, *125*(6), 920–924. https://doi.org/10.1111/bju.15035

Brisbane, W., Bailey, M. R., & Sorensen, M. D. (2016). An overview of kidney stone imaging techniques. *Nature Reviews Urology*, *13*(11), 654–662. https://doi.org/10.1038/nrurol.2016.154

Chen, Y. L., Huang, T. W., Chang, K. H., Tsai, Y. C., Chen, H. T., & Chen, B. Y. (2017). Quantitative analysis of automatic image cropping algorithms: A dataset and comparative study. *Proceedings - 2017 IEEE Winter Conference on Applications of Computer Vision, WACV 2017*, 226–234. https://doi.org/10.1109/WACV.2017.32

Chewcharat, A., & Curhan, G. (2021). Trends in the prevalence of kidney stones in the United States from 2007 to 2016. *Urolithiasis*, *49*(1), 27–39. https://doi.org/10.1007/s00240-020-01210-w

Cui, Y., Sun, Z., Ma, S., Liu, W., Wang, X., Zhang, X., & Wang, X. (2021). Automatic Detection and Scoring of Kidney Stones on Noncontrast CT Images Using S.T.O.N.E. Nephrolithometry: Combined Deep Learning and Thresholding Methods. *Molecular Imaging and Biology*, *23*(3), 436–445. https://doi.org/10.1007/s11307-020-01554-0

Ding, H., Huang, Q., & Razmjooy, N. (2025). An improved version of firebug swarm optimization algorithm for optimizing Alex/ELM network kidney stone detection. *Biomedical Signal Processing and Control*, *99*. https://doi.org/10.1016/j.bspc.2024.106898

Drake, R., Vogl, A. W., Mitchell, A. W. M., Tibbitts, R., & Richardson, P. (2019). *Gray's Attlas of Anatomy (3rd ed)*. *53*(9), 1689–1699.

Fitri, L. A., Haryanto, F., Arimura, H., YunHao, C., Ninomiya, K., Nakano, R., Haekal, M., Warty, Y., & Fauzi, U. (2020). Automated classification of urinary stones based on microcomputed tomography images using convolutional neural network. *Physica Medica*, *78*, 201–208. https://doi.org/10.1016/j.ejmp.2020.09.007

Gulhane, M., Kumar, S., Choudhary, S., Rakesh, N., Zhu, Y., Kaur, M., Tandon, C., & Gadekallu, T. R. (2024). Integrative approach for efficient detection of kidney stones based on improved deep neural network architecture. *SLAS Technology*, *29*(4), 100159. https://doi.org/10.1016/j.slast.2024.100159

Hesamian, M. H., Jia, W., He, X., & Kennedy, P. (2019). Deep Learning Techniques for Medical Image Segmentation: Achievements and Challenges. *Journal of Digital Imaging*, *32*(4), 582–596. https://doi.org/10.1007/s10278-019-00227-x

James, S. L., Abate, D., Abate, K. H., Abay, S. M., Abbafati, C., Abbasi, N., Abbastabar, H., Abd-Allah, F., Abdela, J., Abdelalim, A., Abdollahpour, I., Abdulkader, R. S., Abebe, Z., Abera, S. F., Abil, O. Z., Abraha, H. N., Abu-Raddad, L. J., Abu-Rmeileh, N. M. E., Accrombessi, M. M. K., … Murray, C. J. L. (2018). Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet*, *392*(10159), 1789–1858. https://doi.org/10.1016/S0140-6736(18)32279-7

Lampignano, john. (2018). *Textbooks of Radiographic Positioning and Related Anatomy* (9th ed.).

Luckin, R., Holmes, W., Griffiths, M., & Pearson, L. B. F. (n.d.). *Intelligence Unleashed An argument for AI in Education*.

New, F., & Somani, B. K. (2016). A Complete World Literature Review of Quality of Life (QOL) in Patients with Kidney Stone Disease (KSD). *Current Urology Reports*, *17*(12), 88. https://doi.org/10.1007/s11934-016-0647-6

Noegroho, B. S., Daryanto, B., Soebhali, B., Kadar, D. D., Soebadi, D. M., Hamiseno, D. W., Myh, E., Indrawarman, Satyagraha, P., Birowo, P., Monoarfa, R. A., Pramod, S. V., Warli, S. M., & Tarmano. (2018). Panduan Penatalaksanaan Klinis Batu Saluran Kemih. In *Ikatan Ahli Urologi ndonesia (IAUI)*.

Nuari, N. A. (2018). *Gangguan Pada Sistem Perkemihan & Penatalaksanaan Keperawatan* (1st ed.). Deepublish.

Patro, K. K., Allam, J. P., Neelapu, B. C., Tadeusiewicz, R., Acharya, U. R., Hammad, M., Yildirim, O., & Pławiak, P. (2023). Application of Kronecker convolutions in deep learning technique for automated detection of kidney stones with coronal CT images. *Information Sciences*, *640*. https://doi.org/10.1016/j.ins.2023.119005

Penniston, K. L., & Nakada, S. Y. (2013). Development of an Instrument to Assess the Health Related Quality of Life of Kidney Stone Formers. *Journal of Urology*, *189*(3), 921–930. https://doi.org/10.1016/j.juro.2012.08.247

Primartha Rifkie. (2018). *Belajar Machine Learning: Teori dan Praktik*.

Purnomo, B. (2016). Dasar dasar Urologi. In *CV. Sagung Seto Jakarta* (3rd ed., Vol. 3).

Rice, P., Pugh, M., Geraghty, R., Hameed, B. Z., Shah, M., & Somani, B. K. (2021). Machine Learning Models for Predicting Stone-Free Status after Shockwave Lithotripsy: A Systematic Review and Meta-Analysis. In *Urology* (Vol. 156, pp. 16–22). Elsevier Inc. https://doi.org/10.1016/j.urology.2021.04.006

Roth, H. R., Shen, C., Oda, H., Oda, M., Hayashi, Y., Misawa, K., & Mori, K. (2018). *Deep learning and its application to medical image segmentation*. https://doi.org/10.11409/mit.36.63

Santoso, A., & Ariyanto, G. (n.d.). IMPLEMENTASI DEEP LEARNING BERBASIS KERAS UNTUK PENGENALAN WAJAH. *Jurnal Teknik Elektro*, *18*(01). https://www.mathworks.com/discovery/convol

Scanlon, V. C. (2015). *Essentials of Anatomy and Physiology Sevent Edition.* (Sevent Edi).

Shaaban, M. S., & Kotb, A. F. (2016). Value of non-contrast CT examination of the urinary tract (stone protocol) in the detection of incidental findings and its impact upon the management. *Alexandria Journal of Medicine*, *52*(3), 209–217. https://doi.org/10.1016/j.ajme.2015.08.001

Shkolyar, E., Jia, X., Chang, T. C., Trivedi, D., Mach, K. E., Meng, M. Q. H., Xing, L., & Liao, J. C. (2019). Augmented Bladder Tumor Detection Using Deep Learning. *European Urology*, *76*(6), 714–718. https://doi.org/10.1016/j.eururo.2019.08.032

Singh, H. K., Singh, K. N., & Singh, A. K. (2025). Split ways: Using GAN watermarking for digital image protection with privacy-preserving split model training. *Future Generation Computer Systems*, *163*. https://doi.org/10.1016/j.future.2024.107523

Snell, R. S. (2019). Snell's Clinical Anatomy by Regions. In *Journal of Chemical Information and Modeling* (9th ed., Vol. 53, Issue 9). Snell, Richard S.

Sulaksono, N., Adi, K., & Isnanto, D. R. (2023). Deep Learning on Medical Imaging in Identifying Kidney Stones: Review Paper. *E3S Web of Conferences*, *448*. https://doi.org/10.1051/e3sconf/202344802019

Sulaksono, N., Adi, K., & Isnanto, R. (2025). Utilization of convolutional neural network in image interpretation techniques for detecting kidney disease. *IAES International Journal of Artificial Intelligence*, *14*(1), 602–613. https://doi.org/10.11591/ijai.v14.i1.pp602-613

Sulaksono, N., Adi, K., Isnanto, R., & Warsito, B. (2023). Uretery Stone Detection with CT Scan Image Contrast Analysis. In *Lecture Notes in Electrical Engineering* (Vol. 1008, pp. 163–171). Springer Science and Business Media Deutschland GmbH. https://doi.org/10.1007/978-981-99-0248-4_12

Sulaksono, N., Suryono, S., & Ardiyanto, J. (2017). The optimization of ureterolithiasis image with a contrast analysis on MSCT of urinary tract with variation of slice thickness and window setting. *Advanced Science Letters*, *23*(3), 2277–2280. https://doi.org/10.1166/asl.2017.8738

Supriyanto, C., Salam, A., Zeniarja, J., & Wijaya, A. (2023). Two-Stage Input-Space Image Augmentation and Interpretable Technique for Accurate and Explainable Skin Cancer Diagnosis. *Computation*, *11*(12), 246. https://doi.org/10.3390/computation11120246

Sutikno, S., Kusumaningrum, R., Sugiharto, A., & Arif Wibawa, H. (2024). Detection of chronic kidney disease using binary whale optimization algorithm. *IAES International Journal of Artificial Intelligence (IJ-AI)*, *13*(2), 1511. https://doi.org/10.11591/ijai.v13.i2.pp1511-1518

Suyanto, R. K. N. M. S. (2019). *Deep learning : modernisasi machine learning untuk big data*.

Tahir, F. S., & Abdulrahman, A. A. (2023). Kidney stones detection based on deep learning and discrete wavelet transform. *Indonesian Journal of Electrical Engineering and Computer Science*, *31*(3), 1829. https://doi.org/10.11591/ijeecs.v31.i3.pp1829-1838

Türk, C., Petřík, A., Sarica, K., Seitz, C., Skolarikos, A., Straub, M., & Knoll, T. (2016). EAU Guidelines on Diagnosis and Conservative Management of Urolithiasis. *European Urology*, *69*(3), 468–474. https://doi.org/10.1016/j.eururo.2015.07.040

Utami, H. (2022). Analisis Sentimen dari Aplikasi Shopee Indonesia Menggunakan Metode Recurrent Neural Network. *Indonesian Journal of Applied Statistics*, *5*(1), 31. https://doi.org/10.13057/ijas.v5i1.56825

Wira, J., & Putra, G. (n.d.). *Pengenalan Konsep Pembelajaran Mesin dan Deep Learning Edisi 1.4 (17 Agustus 2020)*.

Wiranda, N., Purba, H. S., & Sukmawati, R. A. (2020). Survei Penggunaan Tensorflow pada Machine Learning untuk Identifikasi Ikan Kawasan Lahan Basah. *IJEIS (Indonesian Journal of Electronics and Instrumentation Systems)*, *10*(2), 179. https://doi.org/10.22146/ijeis.58315

Yan, K., Wang, X., Lu, L., & Summers, R. M. (2018). DeepLesion: automated mining of large-scale lesion annotations and universal lesion detection with deep learning. *Journal of Medical Imaging*, *5*(03), 1. https://doi.org/10.1117/1.jmi.5.3.036501

Yildirim, K., Bozdag, P. G., Talo, M., Yildirim, O., Karabatak, M., & Acharya, U. R. (2021). Deep learning model for automated kidney stone detection using coronal CT images. *Computers in Biology and Medicine*, *135*, 104569. https://doi.org/10.1016/j.compbiomed.2021.104569

Zhang, X., & Dahu, W. (2019). Application of artificial intelligence algorithms in image processing. *Journal of Visual Communication and Image Representation*, *61*, 42–49. https://doi.org/10.1016/j.jvcir.2019.03.004