

DAFTAR PUSTAKA

- Aggarwal, K., Mijwil, M. M., Sonia, Al-Mistarehi, A. H., Alomari, S., Gök, M., Zein Alaabdin, A. M., & Abdulrhman, S. H. (2022). Has the Future Started? The Current Growth of Artificial Intelligence, Machine Learning, and Deep Learning. *Iraqi Journal for Computer Science and Mathematics*, 3(1), 115–123. <https://doi.org/10.52866/ijcsm.2022.01.01.013>
- Agustina, D., Mustafidah, H., & Purbowati, M. R. (2016). Sistem Pakar Diagnosa Penyakit Kulit Akibat Infeksi Jamur. *Juita*, IV(2), 67–77.
- Alzubaidi, L., Fadhel, M. A., Oleiwi, S. R., Al-Shamma, O., & Zhang, J. (2020). DFU_QUTNet: diabetic foot ulcer classification using novel deep convolutional neural network. *Multimedia Tools and Applications*, 79(21–22), 15655–15677. <https://doi.org/10.1007/s11042-019-07820-w>
- Anggraini, N. A., Mufidah, A., Putro, D. S., Permatasari, I. S., Putra, I. N. A., Hidayat, M. A., Kusumaningrum, R. W., Prasiwi, W. F., & Suryanto, A. (2018). Pendidikan Kesehatan Pertolongan Pertama pada Kecelakaan pada Masyarakat di Kelurahan Dandangan. *Journal of Community Engagement in Health*, 1(2), 21–24. <https://doi.org/10.30994/jceh.v1i2.10>
- Anisuzzaman, D. M., Patel, Y., Niezgoda, J. A., Gopalakrishnan, S., & Yu, Z. (2022). A Mobile App for Wound Localization Using Deep Learning. *IEEE Access*, 10, 61398–61409. <https://doi.org/10.1109/ACCESS.2022.3179137>
- Bera, S., & Shrivastava, V. K. (2020). Analysis of various optimizers on deep convolutional neural network model in the application of hyperspectral remote sensing image classification. *International Journal of Remote Sensing*, 41(7), 2664–2683. <https://doi.org/10.1080/01431161.2019.1694725>
- Biomi, A. A., & Swandewi, N. P. D. (2020). Faktor Penyebab Terjadinya Kecelakaan Pada Murid Tk Denpasar. *Bali Health Journal*, 3(2).
- Cholissodin, I., & Soebroto, A. A. (2021). AI , MACHINE LEARNING & DEEP LEARNING (Teori & Implementasi). July 2019.
- Curbera, F., Duftler, M., Khalaf, R., Nagy, W., Mukhi, N., & Weerawarana, S. (2002). Unraveling the Web services Web: An introduction to SOAP, WSDL, and UDDI. *IEEE Internet Computing*, 6(2), 86–93. <https://doi.org/10.1109/4236.991449>
- Davison, A. M. (2004). The Incised Wound. *Essentials of Autopsy Practice*, 187–220. https://doi.org/10.1007/978-1-4471-0637-1_8
- Deeny, P. (1994). *gunshot and stab wounds*. 10, 523–525.
- Defi, I. R., Iskandar, S., Charismawati, S., Turnip, A., & Novita, D. (2022). Healthcare Workers' Point of View on Medical Robotics During COVID-19 Pandemic – A Scoping Review. *International Journal of General Medicine*,

- 15(March), 3767–3777. <https://doi.org/10.2147/IJGM.S355734>
- Despo, O. (2015). *BURNED: Efficient and Accurate Burn Prognosis Using Deep Learning*. 77(2008), 3440.
- Diwan, T., Anirudh, G., & Tembhurne, J. V. (2023). Object detection using YOLO: challenges, architectural successors, datasets and applications. *Multimedia Tools and Applications*, 82(6), 9243–9275. <https://doi.org/10.1007/s11042-022-13644-y>
- Elreedy, D., & Atiya, A. F. (2019). A Comprehensive Analysis of Synthetic Minority Oversampling Technique (SMOTE) for handling class imbalance. *Information Sciences*, 505, 32–64. <https://doi.org/10.1016/j.ins.2019.07.070>
- Fernández, A., García, S., Herrera, F., & Chawla, N. V. (2018). SMOTE for Learning from Imbalanced Data: Progress and Challenges, Marking the 15-year Anniversary. *Journal of Artificial Intelligence Research*, 61, 863–905. <https://doi.org/10.1613/jair.1.11192>
- Fisichella, M., Deng, F., & Nejd, W. (2010). Efficient incremental near duplicate detection based on locality sensitive hashing. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 6261 LNCS(PART 1), 152–166. https://doi.org/10.1007/978-3-642-15364-8_11
- Fourcade, A., & Khonsari, R. H. (2019). Deep learning in medical image analysis: A third eye for doctors. *Journal of Stomatology, Oral and Maxillofacial Surgery*, 120(4), 279–288. <https://doi.org/10.1016/j.jormas.2019.06.002>
- Géron, A. (2017). Hands-on machine learning with Scikit-Learn and TensorFlow : concepts, tools, and techniques to build intelligent systems. *O'Reilly Media*, ...
- Goldberg, S. R., & Diegelmann, R. F. (2020). What Makes Wounds Chronic. *Surgical Clinics of North America*, 100(4), 681–693. <https://doi.org/10.1016/j.suc.2020.05.001>
- Goyal, M., Reeves, N. D., Davison, A. K., Rajbhandari, S., Spragg, J., & Yap, M. H. (2018). DFUNet: Convolutional Neural Networks for Diabetic Foot Ulcer Classification. *IEEE Transactions on Emerging Topics in Computational Intelligence*, 4(5), 728–739. <https://doi.org/10.1109/tetci.2018.2866254>
- Great Learning. (2021). *Everything you need to know about VGG16*. Medium.Com. <https://medium.com/@mygreatlearning/everything-you-need-to-know-about-vgg16-7315defb5918>
- He, K., Zhang, X., Ren, S., & Sun, J. (2016a). Deep residual learning for image recognition. *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, 2016-Decem, 770–778.

- <https://doi.org/10.1109/CVPR.2016.90>
- He, K., Zhang, X., Ren, S., & Sun, J. (2016b). Identity mappings in deep residual networks. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 9908 LNCS, 630–645. https://doi.org/10.1007/978-3-319-46493-0_38
- Irfan, D., Rosnelly, R., Wahyuni, M., Samudra, J. T., & Rangga, A. (2022). Perbandingan Optimasi Sgd, Adadelta, Dan Adam Dalam Klasifikasi Hydrangea Menggunakan Cnn. *Journal of Science and Social Research*, 5(2), 244. <https://doi.org/10.54314/jssr.v5i2.789>
- Jennett, P. A., Affleck Hall, L., Hailey, D., Ohinmaa, A., Anderson, C., Thomas, R., Young, B., Lorenzetti, D., & Scott, R. E. (2003). The socio-economic impact of telehealth: A systematic review. *Journal of Telemedicine and Telecare*, 9(6), 311–320. <https://doi.org/10.1258/135763303771005207>
- Jumlah Kecelakaan, Korban Mati, Luka Berat, Luka Ringan, dan Kerugian Materi 2019-2021. (2023). Badan Pusat Statistik (BPS - Statistics Indonesia). <https://www.bps.go.id/indicator/17/513/1/jumlah-kecelakaan-korban-mati-luka-berat-luka-ringan-dan-kerugian-materi.html>
- Khairina, N., Harahap, M. K., & Lubis, J. H. (2018). The Authenticity of Image using Hash MD5 and Steganography Least Significant Bit. *IJISTECH (International Journal Of Information System & Technology)*, 2(1), 1. <https://doi.org/10.30645/ijistech.v2i1.13>
- Kido, S., Hirano, Y., & Hashimoto, N. (2018). Detection and classification of lung abnormalities by use of convolutional neural network (CNN) and regions with CNN features (R-CNN). *2018 International Workshop on Advanced Image Technology, IWAIT 2018*, 1–4. <https://doi.org/10.1109/IWAIT.2018.8369798>
- Kingma, D. P., & Ba, J. L. (2015). Adam: A method for stochastic optimization. *3rd International Conference on Learning Representations, ICLR 2015 - Conference Track Proceedings*, 1–15.
- Krizhevsky, A., Sutskever, I., & Hinton, G. E. (2017). ImageNet classification with deep convolutional neural networks. *Communications of the ACM*, 60(6), 84–90. <https://doi.org/10.1145/3065386>
- Lecun, Y., Bengio, Y., & Hinton, G. (2015). Deep learning. *Nature*, 521(7553), 436–444. <https://doi.org/10.1038/nature14539>
- Li, J., Chen, J., & Kirsner, R. (2007). Pathophysiology of acute wound healing. *Clinics in Dermatology*, 25(1), 9–18. <https://doi.org/10.1016/j.clindermatol.2006.09.007>
- Lin, W. C., Tsai, C. F., Hu, Y. H., & Jhang, J. S. (2017). Clustering-based

- undersampling in class-imbalanced data. *Information Sciences*, 409–410, 17–26. <https://doi.org/10.1016/j.ins.2017.05.008>
- Liu, Y., Yu, Y., Wang, L., Nyima, T., Zhaxi, N., Huang, H., & Deng, Q. (2020). Classification of Tank Images Using Convolutional Neural Network. *Proceedings of 2020 IEEE 4th Information Technology, Networking, Electronic and Automation Control Conference, ITNEC 2020*, 210–214. <https://doi.org/10.1109/ITNEC48623.2020.9085151>
- Manning, J. (2018). Sepsis in the Burn Patient. *Critical Care Nursing Clinics of North America*, 30(3), 423–430. <https://doi.org/10.1016/j.cnc.2018.05.010>
- Mao, X., Yamada, Y., Akiyama, Y., & Okamoto, S. (2017). Characteristics of Dummy Skin Contact Mechanics During Developing Process of Skin Abrasion Trauma. *Tribology Letters*, 65(4), 1–12. <https://doi.org/10.1007/s11249-017-0916-7>
- Mashita, S. N. (2020). Implementasi Deep Learning Object Detection Rambu K3 Pada Video Menggunakan Metode Convolutional Neural Network (CNN) dengan Tensorflow. *Skripsi, Statistika, Fakultas Matematika Dan Ilmu Pengetahuan Alam, Universitas Islam Indonesia, Yogyakarta*, i–89. <https://dspace.uui.ac.id/handle/123456789/28781>
- Mayo Clinic. (2022a). *Bruise: First aid*. St. Clair Health. <https://www.stclair.org/services/mayo-clinic-health-information/article/ART-20056663>
- Mayo Clinic. (2022b). *Burns : First aid From Mayo Clinic to your inbox Sign up for free , and stay up to date on research*. Mayo Clinic. <https://www.mayoclinic.org/first-aid/first-aid-burns/basics/art-20056649>
- Muttaqien, K., Sugiarto, & Sarifudin, S. (2019). Upaya Meningkatkan Kesadaran Masyarakat Terhadap Kesehatan Lingkungan Melalui Program Bank Sampah. *Indonesian Journal of Adult and Community Education*, 1(1), 6–10. <https://ejournal.upi.edu/index.php/IJACE/article/view/19997>
- Nasution, R. E. P. (2020). *Panduan Bantuan Hidup Dasar dan Pertolongan Pertama Pada Luka*. Whitecoathunter. <https://books.google.co.id/books?id=icHdDwAAQBAJ>
- Ners. I Made Sukma Wijaya, M. K. W. O. C. N. (2018). *Perawatan Luka Dengan Pendekatan Multidisiplin*. Penerbit Andi. <https://books.google.co.id/books?id=pVJtDwAAQBAJ>
- Paraijun, F., Aziza, R. N., & Kuswardani, D. (2022). Implementasi Algoritma Convolutional Neural Network Dalam Mengklasifikasi Kesegaran Buah Berdasarkan Citra Buah. *Kilat*, 11(1), 1–9. <https://doi.org/10.33322/kilat.v10i2.1458>

- Pathak, A. R., Pandey, M., & Rautaray, S. (2018). Application of Deep Learning for Object Detection. *Procedia Computer Science*, 132(Iccids), 1706–1717. <https://doi.org/10.1016/j.procs.2018.05.144>
- Petroc Taylor. (2023). *Number of smartphone mobile network subscriptions worldwide from 2016 to 2022, with forecasts from 2023 to 2028*. Statista. <https://www.statista.com/statistics/330695/number-of-smartphone-users-worldwide/>
- Phillip L Rice, Jr, MDDennis P Orgill, MD, P. (2023). *Assessment and classification of burn injury*. UpToDate. <https://www.uptodate.com/contents/assessment-and-classification-of-burn-injury/print#:~:text=Superficial or epidermal burns involve only the epidermal layer of skin.,-&text=Partial-thickness burns involve the epidermis and portions of the dermis.,-&text>
- Riset: Kesadaran Masyarakat Indonesia akan Kebersihan Masih Rendah. (2018). Badan Penelitian Dan Pengembangan Kementerian Dalam Negeri Indonesia. <https://litbang.kemendagri.go.id/website/riset-kesadaran-masyarakat-indonesia-akan-kebersihan-masih-rendah/>
- Rozzi, H. V. (2014). Laceration or Incised Wound: Know the Difference. In *American College of Emergency Physicians*.
- Salomon, D. (2011). Data Compression. In *Handbook of Computer Networks* (Vol. 1). <https://doi.org/10.1002/9781118256053.ch13>
- Shelke, M. S., Deshmukh, P. R., & Shandilya, P. V. K. (2017). A Review on Imbalanced Data Handling Using Undersampling and Oversampling Technique. *International Journal of Recent Trends in Engineering and Research*, 3(4), 444–449. <https://doi.org/10.23883/ijrter.2017.3168.0uwxm>
- Shenoy, V. N., Foster, E., Aalami, L., Majeed, B., & Aalami, O. (2019). Deepwound: Automated Postoperative Wound Assessment and Surgical Site Surveillance through Convolutional Neural Networks. *Proceedings - 2018 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2018*, 1017–1021. <https://doi.org/10.1109/BIBM.2018.8621130>
- Shrestha, R., Krishan, K., & Kanchan, T. (2022). Abrasion - StatPearls - NCBI Bookshelf. In *StatPearls*. <https://www.ncbi.nlm.nih.gov/books/NBK554465/>
- Simonyan, K., & Zisserman, A. (2015). Very deep convolutional networks for large-scale image recognition. *3rd International Conference on Learning Representations, ICLR 2015 - Conference Track Proceedings*, 1–14.
- Szegedy, C., Vanhoucke, V., Ioffe, S., Shlens, J., & Wojna, Z. (2016). Rethinking the Inception Architecture for Computer Vision. *Proceedings of the IEEE*

- Computer Society Conference on Computer Vision and Pattern Recognition, 2016-Decem*, 2818–2826. <https://doi.org/10.1109/CVPR.2016.308>
- Taber, J. M., Leyva, B., & Persoskie, A. (2015). Why do People Avoid Medical Care? A Qualitative Study Using National Data. *Journal of General Internal Medicine*, 30(3), 290–297. <https://doi.org/10.1007/s11606-014-3089-1>
- Tammina, S. (2019). Transfer learning using VGG-16 with Deep Convolutional Neural Network for Classifying Images. *International Journal of Scientific and Research Publications (IJSRP)*, 9(10), p9420. <https://doi.org/10.29322/ijsrp.9.10.2019.p9420>
- Tammina, S. (2022). CovidSORT: Detection of Novel COVID-19 in Chest X-ray Images by Leveraging Deep Transfer Learning Models. *Lecture Notes in Electrical Engineering*, 783(October), 431–447. https://doi.org/10.1007/978-981-16-3690-5_37
- Tintinalli, J. E., Stapczynski, J. S., Ma, O. J., Cline, D. M., & Meckler, G. D. (2016). *Tintinalli's Emergency Medicine: A Comprehensive Study Guide, 8th edition*. McGraw Hill LLC. <https://books.google.co.id/books?id=FNKLCgAAQBAJ>
- Wagh, K., & Thool, R. (2012). A Comparative Study of SOAP Vs REST Web Services Provisioning Techniques for Mobile Host. *Journal of Information Engineering and Applications*, 2(5), 12–16. <http://www.iiste.org/Journals/index.php/JIEA/article/view/2063>
- Wang, C., Yan, X., Smith, M., Kochhar, K., Rubin, M., Warren, S. M., Wrobel, J., & Lee, H. (2015). A unified framework for automatic wound segmentation and analysis with deep convolutional neural networks. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, 2015-Novem(August)*, 2415–2418. <https://doi.org/10.1109/EMBC.2015.7318881>
- Wang, G., Yang, F., Zhou, W., Xiao, N., Luo, M., & Tang, Z. (2023). The initiation of oxidative stress and therapeutic strategies in wound healing. *Biomedicine and Pharmacotherapy*, 157(October 2022), 114004. <https://doi.org/10.1016/j.biopha.2022.114004>
- WebMD Editorial Contributors. (2021). *Bruises*. WebMD LLC. <https://www.webmd.com/skin-problems-and-treatments/guide/bruises-article#:~:text=For Your Skin%3F-,Symptoms of a Bruise,away as the color fades.>
- Wikarta, A., Sigit Pramono, A., & Ariatedja, J. B. (2020). Analisa Berbagai Optimizer Pada Convolutional Neural Network Untuk Deteksi Pemakaian Masker Pengemudi Kendaraan. *Seminar Nasional Informatika, 2020(Semnasif)*, 69–72.

- Yu, W., Jin, Y., Yang, J., Ma, G., Qiu, Y., Chen, H., Yang, X., Chang, L., & Lin, X. (2017). Occurrence of bruise, hematoma, and pain in upper blepharoplasty using blunt-needle vs sharp-needle anesthetic injection in upper blepharoplasty: A randomized clinical trial. *JAMA Facial Plastic Surgery*, 19(2), 128–132. <https://doi.org/10.1001/jamafacial.2016.1376>
- Zhi-Hua Zhou - *Machine Learning-Springer Singapore* (2021). (n.d.).
- Zhu, J., Zhong, K., Zong, Y., Wang, S., Yang, H., Zhen, L., Tao, S., Sun, L., Yang, J., & Li, J. (2022). A mussel-inspired wet-adhesion hydrogel with hemostasis and local anti-inflammation for managing the development of acute wounds. *Materials and Design*, 213, 110347. <https://doi.org/10.1016/j.matdes.2021.110347>