DAFTAR PUSTAKA

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

Apelqvist, J., & Larsson, J. (2000). What is the most effective way to reduce incidence of amputation in the diabetic foot? *Diabetes/Metabolism Research and Reviews*, *16*, S75–S83.

Bagavathiappan, S., Philip, J., Jayakumar, T., Raj, B., Narayana, P., Rao, S., Varalakshmi, M., Diab, F., & Mohan, V. (2010). Correlation between Plantar Foot Temperature and Diabetic Neuropathy: A Case Study by Using an Infrared Thermal Imaging Technique. In *Journal of Diabetes Science and Technology* (Vol. 4, Issue 6). www.journalofdst.org

Bakker, K., Apelqvist, J., & Schaper, N. C. (2012). 17. Practical guidelines on the management and prevention of the diabetic foot. *John Wiley & Sons*.

Bello, I., Fedus, W., Du, X., Cubuk, E. D., Srinivas, A., Lin, T.-Y., Shlens, J., & Zoph, B. (2021). *Revisiting ResNets: Improved Training and Scaling Strategies*. http://arxiv.org/abs/2103.07579

Berthelier, A., Chateau, T., Duffner, S., Garcia, C., Blanc, C., Deep, C. B., & Berthelier, A. (2020). Deep Model Compression and Architecture Optimization for Embedded Systems: A Survey Model Compression and Architecture Optimization for Embedded Systems: A Survey Deep Model Compression and Architecture Optimization for Embedded Systems: A Survey. *Journal of Signal Processing Systems*, 10. https://doi.org/10.1007/s11265-020-01596-1ï

Brånemark, P. I., Fagerberg, S. E., Langer, L., & Säve-Söderbergh, J. (1967). Infrared thermography in diabetes mellitus. A preliminary study. *Diabetologia*, *3*(6), 529–532. https://doi.org/10.1007/BF01213572

Bucil, C., Caruana, R., & Niculescu-Mizil, A. (2006). *Model Compression*.

Chawla, A., Chawla, R., & Jaggi, S. (2016). Microvasular and macrovascular complications in diabetes mellitus: Distinct or continuum? In *Indian Journal of Endocrinology and Metabolism* (Vol. 20, Issue 4, pp. 546–553). Medknow Publications. https://doi.org/10.4103/2230-8210.183480

Chen, Y., Meng, G., Zhang, Q., Zhang, X., Song, L., Xiang, S., & Pan, C. (2018). *Joint Neural Architecture Search and Quantization*. http://arxiv.org/abs/1811.09426

Cheng, Y., Wang, D., Zhou, P., & Zhang, T. (2017). *A Survey of Model Compression and Acceleration for Deep Neural Networks*. http://arxiv.org/abs/1710.09282

Chollet, F. (2016). *Xception: Deep Learning with Depthwise Separable Convolutions*. http://arxiv.org/abs/1610.02357

Cruz-Vega, I., Hernandez-Contreras, D., Peregrina-Barreto, H., Rangel-Magdaleno, J. de J., & Ramirez-Cortes, J. M. (2020). Deep learning classification for diabetic foot thermograms. *Sensors (Switzerland)*, *20*(6). https://doi.org/10.3390/s20061762

Dai, X., Chen, D., Liu, M., Chen, Y., & Yuan Microsoft, L. (2020). *DA-NAS: Data Adapted Pruning for Efficient Neural Architecture Search*.

Darma Putra, I. K. G. (2009). *Pengolahan Citra Digital*. ANDI Yogyakarta.

Davenport, T., & Kalakota, R. (2019). DIGITAL TECHNOLOGY The potential for artificial intelligence in healthcare. In *Future Healthcare Journal* (Vol. 6, Issue 2).

Dong, X., & Yang, Y. (2019). *Network Pruning via Transformable Architecture Search*. https://github.com/D-X-Y/NAS-Projects.

Elsken, T., Metzen, J. H., & Hutter, F. (2019). Neural Architecture Search: A Survey. In *Journal of Machine Learning Research* (Vol. 20). http://jmlr.org/papers/v20/18-598.html.

Fowler, M. J. (2008). Microvascular and Macrovascular Complications of Diabetes. In *CliniCal Diabetes* • (Vol. 26, Issue 2). http://clinical.diabetesjournals.org

Frykberg, R. G., Zgonis, T., Armstrong, D. G., Driver, V. R., Giurini, J. M., Kravitz, S. R., Landsman, A. S., Lavery, L. A., Moore, J. C., Schuberth, J. M., Wukich, D. K., Andersen, C., & Vanore, J. V. (2006). DIABETIC FOOT DISORDERS: A CLINICAL PRACTICE GUIDELINE (2006 revision). *The Journal of Foot & Ankle Surgery*, *45*(5).

García, Y. G., Lao, E. H., Soublet, A. H., Domínguez, J. A. B., & Balmaseda, Z. D. (2016). Therapeutic education on diabetes for patients with first amputation caused by diabetic foot. *Revista Cubana de Angiología y Cirugía Vascular, 17*, 36–43.

Goodfellow, I., Bengio, Y., & Courville, A. (2016). *DEEP LEARNING*. MIT Publisher. www.deeplearningbook.org

Hernandez-Contreras, D. A., Peregrina-Barreto, H., Rangel-Magdaleno, J. D. J., & Renero-Carrillo, F. J. (2019). Plantar Thermogram Database for the Study of Diabetic Foot Complications. *IEEE Access*, *7*, 161296–161307. https://doi.org/10.1109/ACCESS.2019.2951356

Hernandez-Contreras, D., Peregrina-Barreto, H., Rangel-Magdaleno, J., & Gonzalez-Bernal, J. (2016). Narrative review: Diabetic foot and infrared thermography. In *Infrared Physics and Technology* (Vol. 78, pp. 105–117). Elsevier B.V. https://doi.org/10.1016/j.infrared.2016.07.013

Hernandez-Contreras, D., Peregrina-Barreto, H., Rangel-Magdaleno, J., Gonzalez-Bernal, J. A., & Altamirano-Robles, L. (2017). A quantitative index for classification of plantar thermal changes in the diabetic foot. *Infrared Physics and Technology*, *81*, 242–249. https://doi.org/10.1016/j.infrared.2017.01.010

Hernandez-Contreras, D., Peregrina-Barreto, H., Rangel-Magdaleno, J., Ramirez-Cortes, J., & Renero-Carrillo, F. (2015). Automatic classification of thermal patterns in diabetic foot based on morphological pattern spectrum. *Infrared Physics and Technology*, *73*, 149–157. https://doi.org/10.1016/j.infrared.2015.09.022

Hinton, G., Vinyals, O., & Dean, J. (2015). *Distilling the Knowledge in a Neural Network*. http://arxiv.org/abs/1503.02531

Huang, G., Liu, Z., van der Maaten, L., & Weinberger, K. Q. (2016). *Densely Connected Convolutional Networks*. http://arxiv.org/abs/1608.06993

Jin, H., Song, Q., & Hu, X. (2018). *Auto-Keras: An Efficient Neural Architecture Search System*. http://arxiv.org/abs/1806.10282

Kang, M., Mun, J., & Han, B. (2019). *Towards Oracle Knowledge Distillation with Neural Architecture Search*. www.aaai.org

Kelleher, D. J. (2019). *Deep Learning*. The MIT Press.

Khandakar, A., Chowdhury, M. E. H., Ibne Reaz, M. Bin, Md Ali, S. H., Hasan, M. A., Kiranyaz, S., Rahman, T., Alfkey, R., Bakar, A. A. A., & Malik, R. A. (2021). A machine learning model for early detection of diabetic foot using thermogram images. *Computers in Biology and Medicine*, *137*. https://doi.org/10.1016/j.compbiomed.2021.104838

Khandakar, A., Chowdhury, M. E. H., Reaz, M. B. I., Ali, S. H. M., Abbas, T. O., Alam, T., Ayari, M. A., Mahbub, Z. B., Habib, R., Rahman, T., Tahir, A. M., Bakar, A. A. A., & Malik, R. A. (2022). Thermal Change Index-Based Diabetic Foot Thermogram Image Classification Using Machine Learning Techniques. *Sensors*, *22*(5). https://doi.org/10.3390/s22051793

Khandakar, A., Chowdhury, M. E. H., Reaz, M. B. I., Ali, S. H. M., Kiranyaz, S., Rahman, T., Chowdhury, M. H., Ayari, M. A., Alfkey, R., Bakar, A. A. A., Malik, R. A., & Hasan, A. (2022). A Novel Machine Learning Approach for Severity

Classification of Diabetic Foot Complications Using Thermogram Images. *Sensors*, *22*(11). https://doi.org/10.3390/s22114249

Khandpur, R. S. (2003). *Handbook of Second Edition Biomedical Instrumentation* (Second Edition). Tata McGraw-Hill Publishing Company Limited.

Krizhevsky, A., Sutskever, I., & Hinton, G. E. (2012). *ImageNet Classification with Deep Convolutional Neural Networks*. http://code.google.com/p/cuda-convnet/

Krohn, Jon. (2020). *Deep Learning Illustrated* (J. Lander, Ed.). Pearson Education, Inc.

Lawson, R. (1957). Thermography; a new tool in the investigation of breast lesions. *Canadian Services Medical Journal*, *8*, 517–524.

Leung, P. C. (2007). Diabetic foot ulcers - a comprehensive review. *The Royal Colleges of Surgeons of Edinburgh and Ireland*.

Mori, T., Nagase, T., Takehara, K., Oe, M., Ohashi, Y., Amemiya, A., Noguchi, H., Ueki, K., Kadowaki, T., & Sanada, H. (2013). Morphological pattern classification system for plantar thermography of patients with diabetes. *Journal of Diabetes Science and Technology*, *7*(5), 1102–1112. https://doi.org/10.1177/193229681300700502

Munadi, K., Saddami, K., Oktiana, M., Roslidar, R., Muchtar, K., Melinda, M., Muharar, R., Syukri, M., Abidin, T. F., & Arnia, F. (2022). A Deep Learning Method for Early Detection of Diabetic Foot Using Decision Fusion and Thermal Images. *Applied Sciences (Switzerland)*, *12*(15). https://doi.org/10.3390/app12157524

Muralidhara, S., Lucieri, A., Dengel, A., & Ahmed, S. (2022). Holistic multi-class classification & grading of diabetic foot ulcerations from plantar thermal images using deep learning. *Health Information Science and Systems*, *10*(1). https://doi.org/10.1007/s13755-022-00194-8

Nagase, T., Sanada, H., Takehara, K., Oe, M., Iizaka, S., Ohashi, Y., Oba, M., Kadowaki, T., & Nakagami, G. (2011). Variations of plantar thermographic patterns in normal controls and non-ulcer diabetic patients: Novel classification using angiosome concept. *Journal of Plastic, Reconstructive and Aesthetic Surgery*, *64*(7), 860–866. https://doi.org/10.1016/j.bjps.2010.12.003

Prabhu, M. S., & Verma, S. (2021). A Deep Learning framework and its Implementation for Diabetic Foot Ulcer Classification. *2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2021*. https://doi.org/10.1109/ICRITO51393.2021.9596380

Ring, F. (2010). Thermal Imaging Today and Its Relevance to Diabetes. In *J Diabetes Sci Technol* (Vol. 4, Issue 4). www.journalofdst.org

Sandler, M., Howard, A., Zhu, M., Zhmoginov, A., & Chen, L.-C. (2018). *MobileNetV2: Inverted Residuals and Linear Bottlenecks*. http://arxiv.org/abs/1801.04381

Schaper, N. C., Van Netten, J. J., Apelqvist, J., Lipsky, B. A., & Bakker, K. (2015). 20. Prevention and management of foot problems in diabetes_ a Summary Guidance for Daily Practice 2015, based on the IWGDF Guidance Documents. *Diabetes/Metabolism Research And Reviews*.

Shah, B., & Bhavsar, H. (2022). Time Complexity in Deep Learning Models. *Procedia Computer Science*, *215*, 202–210. https://doi.org/10.1016/j.procs.2022.12.023

Snoek, J., Larochelle, H., & Adams, R. P. (2012). *Practical Bayesian Optimization of Machine Learning Algorithms*.

Stark, A. M., & Way, S. (1974). The use of thermovision in the detection of early breast cancer. *Cancer*, *33*(6), 1664–1670. https://doi.org/10.1002/1097-0142(197406)33:6<1664::AID-CNCR2820330629>3.0.CO;2-7

Suyanto. (2018). *Machine Learning*. Informatika Bandung.

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-December*, 2818–2826. https://doi.org/10.1109/CVPR.2016.308

Trivedi, A., Udagawa, T., Merler, M., Panda, R., El-Kurdi, Y., & Bhattacharjee, B. (2023). *Neural Architecture Search for Effective Teacher-Student Knowledge Transfer in Language Models*. http://arxiv.org/abs/2303.09639

Uçkay, I., Aragón-Sánchez, J., Lew, D., & Lipsky, B. A. (2015). Diabetic foot infections: What have we learned in the last 30 years? In *International Journal of Infectious Diseases* (Vol. 40, pp. 81–91). Elsevier. https://doi.org/10.1016/j.ijid.2015.09.023

Verma, A., Meenpal, T., & Acharya, B. (2022). Computational Cost Reduction of Convolution Neural Networks by Insignificant Filter Removal. In *ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY* (Vol. 25, Issue 2).

Wei, T., Wang, C., Rui, Y., & Chen, C. W. (2016). *Network Morphism*. http://arxiv.org/abs/1603.01670

Xing, Z., Chen, X., & Pang, F. (2022). DD-YOLO: An object detection method combining knowledge distillation and Differentiable Architecture Search. *IET Computer Vision*, *16*(5), 418–430. https://doi.org/10.1049/cvi2.12097

Zhang, Z., Luo, C., Gursoy, M. C., Qiu, Q., Solomon, A., & Basti, F. (2021). *NEURAL NETWORK ARCHITECTURE SEARCH AND MODEL COMPRESSION FOR FAST PREDICTION OF UAS TRAFFIC DENSITY*.

Zoph, B., & Le, Q. V. (2016). *Neural Architecture Search with Reinforcement Learning*. http://arxiv.org/abs/1611.01578

Zoph, B., Vasudevan, V., Shlens, J., & Le, Q. V. (2017). *Learning Transferable Architectures for Scalable Image Recognition*. http://arxiv.org/abs/1707.07012