

## DAFTAR PUSTAKA

- Aisyah, I. S., Khomsan, A., Tanziha, I., & Riyadi, H. (2024). A Multiple Logistic Regression Analysis of Household Food and Nutrition Insecurity in Stunting and Non-Stunting Toddlers. *Current Research in Nutrition and Food Science*, 12(1), 452–461. <https://doi.org/10.12944/CRNFSJ.12.1.36>
- Al-Tae, R., Al-Saedi, A. I. L., & Nahidh, M. (2021). Does body mass index affect soft tissue facial anthropometric measurements? *International Journal of Morphology*, 39(2), 520–526. <https://doi.org/10.4067/S0717-95022021000200520>
- An, C., Park, Y. W., Ahn, S. S., Han, K., Kim, H., & Lee, S. K. (2021). Radiomics machine learning study with a small sample size: Single random training-test set split may lead to unreliable results. *PLoS ONE*, 16(8 August). <https://doi.org/10.1371/journal.pone.0256152>
- Ankalaki, S., Biradar, V. G., Kishor Kumar Naik, P., & Hukkeri, G. S. (2024). A Deep Learning Approach for Malnutrition Detection. *International journal of online and biomedical engineering*, 20(6), 116–138. <https://doi.org/10.3991/ijoe.v20i06.46919>
- Bengio, Y. (2017). *The Consciousness Prior*. <http://arxiv.org/abs/1709.08568>
- Biradar, V. G., H. H., Pareek, P. K., T. S., Aishwarya, K., & Aneeth, K. (2024). Performance Analysis of Deep Learning Models for Detection of Malnutrition in Children. *2024 International Conference on Data Science and Network Security (ICDSNS)*, 1–8. <https://doi.org/10.1109/ICDSNS62112.2024.10691135>
- Bovik, A., Wang, Z., & Sheikh, H. (2005). *Structural Similarity Based Image Quality Assessment* (hlm. 225–241). <https://doi.org/10.1201/9781420027822.ch7>
- Bowles, C., Chen, L., Guerrero, R., Bentley, P., Gunn, R., Hammers, A., Dickie, D. A., Hernández, M. V., Wardlaw, J., & Rueckert, D. (2018). *GAN Augmentation: Augmenting Training Data using Generative Adversarial Networks*. <http://arxiv.org/abs/1810.10863>
- Curtó, J. D., Zarza, I. C., de la Torre, F., King, I., & Lyu, M. R. (2017). *High-resolution Deep Convolutional Generative Adversarial Networks*. <http://arxiv.org/abs/1711.06491>
- de Jager, S., Coetsee, N., & Coetsee, V. (2018). Facial adiposity, attractiveness, and health: A review. Dalam *Frontiers in Psychology* (Vol. 9, Nomor DEC). Frontiers Media S.A. <https://doi.org/10.3389/fpsyg.2018.02562>
- de Onis, M., & Branca, F. (2016). Childhood stunting: A global perspective. Dalam *Maternal and Child Nutrition* (Vol. 12, hlm. 12–26). Blackwell Publishing Ltd. <https://doi.org/10.1111/mcn.12231>
- Dubey, S. R., Singh, S. K., & Chaudhuri, B. B. (2021). *Activation Functions in Deep Learning: A Comprehensive Survey and Benchmark*. <http://arxiv.org/abs/2109.14545>
- Esteva, A., Kuprel, B., Novoa, R. A., Ko, J., Swetter, S. M., Blau, H. M., & Thrun, S. (2017). Dermatologist-level classification of skin cancer with deep neural networks. *Nature*, 542(7639), 115–118. <https://doi.org/10.1038/nature21056>

- Frid-Adar, M., Diamant, I., Klang, E., Amitai, M., Goldberger, J., & Greenspan, H. (2018). *GAN-based Synthetic Medical Image Augmentation for increased CNN Performance in Liver Lesion Classification*. <https://doi.org/10.1016/j.neucom.2018.09.013>
- George Laskaris George Thieme Verlag, B. (1995). 48. 56 8 1995 The British Association of Plastx Surgeons. Dalam *Briresh Journal of Plastic Surgery*.
- Gunawan, I., Andiesta, N. S., Gartika, M., & Primarti, R. S. (2020a). Relationship between protein deficiency accompanied by low body mass index with the head shape and face type of 6-7 years old children. *Padjadjaran Journal of Dentistry*, 32(1), 57. <https://doi.org/10.24198/pjd.vol32no1.21165>
- Gunawan, I., Andiesta, N. S., Gartika, M., & Primarti, R. S. (2020b). Relationship between protein deficiency accompanied by low body mass index with the head shape and face type of 6-7 years old children. *Padjadjaran Journal of Dentistry*, 32(1), 57. <https://doi.org/10.24198/pjd.vol32no1.21165>
- He, K., Zhang, X., Ren, S., & Sun, J. (2015). *Deep Residual Learning for Image Recognition*. <http://arxiv.org/abs/1512.03385>
- Henderson, A. J., Holzleitner, I. J., Talamas, S. N., & Perrett, D. I. (2016). Perception of health from facial cues. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 371(1693). <https://doi.org/10.1098/rstb.2015.0380>
- Hoddinott, J., Alderman, H., Behrman, J. R., Haddad, L., & Horton, S. (2013). The economic rationale for investing in stunting reduction. *Maternal and Child Nutrition*, 9(S2), 69–82. <https://doi.org/10.1111/mcn.12080>
- Ivanovic, D. M., Leiva, B. P., Pérez, H. T., Olivares, M. G., Díaz, N. S., Urrutia, M. S. C., Almagià, A. F., Toro, T. D., Miller, P. T., Bosch, E. O., & Larraín, C. G. (2004). Head size and intelligence, learning, nutritional status and brain development: Head, IQ, learning, nutrition and brain. *Neuropsychologia*, 42(8), 1118–1131. <https://doi.org/10.1016/j.neuropsychologia.2003.11.022>
- Iyengar, S. Sitharama., & Saxena, Vikas. (2019). *2019 Twelfth International Conference on Contemporary Computing (IC3-2019) : 8-10 August 2019, Jaypee Institute of Information Technology, Noida, India*. IEEE.
- Jiang, M., Guo, G., & Mu, G. (2020). Visual BMI estimation from face images using a label distribution based method. *Computer Vision and Image Understanding*, 197–198. <https://doi.org/10.1016/j.cviu.2020.102985>
- Karras, T., Laine, S., & Aila, T. (2018). *A Style-Based Generator Architecture for Generative Adversarial Networks*. <http://arxiv.org/abs/1812.04948>
- Kebonye, N. M. (2021). Exploring the novel support points-based split method on a soil dataset. *Measurement: Journal of the International Measurement Confederation*, 186. <https://doi.org/10.1016/j.measurement.2021.110131>
- Krizhevsky, A., Sutskever, I., & Hinton, G. E. (t.t.). *ImageNet Classification with Deep Convolutional Neural Networks*. <http://code.google.com/p/cuda-convnet/>

- Lakshminarayanan, A. R., Pavani, B., V Rajeswari, Parthasarathy, S., Azeez Khan, A. A., & Javubar Sathick, K. (2021, Maret 25). Malnutrition Detection using Convolutional Neural Network. *Proceedings of 2021 IEEE 7th International Conference on Bio Signals, Images and Instrumentation, ICBSII 2021*.  
<https://doi.org/10.1109/ICBSII51839.2021.9445188>
- Leroy, J. L., & Frongillo, E. A. (2019). Perspective: What Does Stunting Really Mean? A Critical Review of the Evidence. Dalam *Advances in Nutrition* (Vol. 10, Nomor 2, hlm. 196–204). Oxford University Press. <https://doi.org/10.1093/advances/nmy101>
- Lesnussa, Y. A., Sinay, L. J., & Idah, M. R. (2017). Aplikasi Jaringan Saraf Tiruan Backpropagation untuk Penyebaran Penyakit Demam Berdarah Dengue (DBD) di Kota Ambon. *Jurnal Matematika Integratif*, 13(2), 63.  
<https://doi.org/10.24198/jmi.v13.n2.11811.63-72>
- Levels and trends in child malnutrition*. (t.t.).
- Li, Z., Kim, R., Vollmer, S., & Subramanian, S. V. (2020). Factors Associated with Child Stunting, Wasting, and Underweight in 35 Low- And Middle-Income Countries. *JAMA Network Open*, 3(4). <https://doi.org/10.1001/jamanetworkopen.2020.3386>
- Liu, B., Lv, J., Fan, X., Luo, J., & Zou, T. (2022). Application of an Improved DCGAN for Image Generation. *Mobile Information Systems*, 2022.  
<https://doi.org/10.1155/2022/9005552>
- Lundervold, A. S., & Lundervold, A. (2019). An overview of deep learning in medical imaging focusing on MRI. Dalam *Zeitschrift fur Medizinische Physik* (Vol. 29, Nomor 2, hlm. 102–127). Elsevier GmbH. <https://doi.org/10.1016/j.zemedi.2018.11.002>
- Manimegala M, Gokulraj V, Karisni K, & Manisha S. (2024). Generating Human Face with Dcgan and Gan. *International Research Journal on Advanced Engineering Hub (IRJAEH)*, 2(05), 1348–1354. <https://doi.org/10.47392/irjaeh.2024.0186>
- Mirabet-Herranz, N., Mallat, K., & Dugelay, J. L. (2023). New Insights on Weight Estimation from Face Images. *2023 IEEE 17th International Conference on Automatic Face and Gesture Recognition, FG 2023*.  
<https://doi.org/10.1109/FG57933.2023.10042568>
- Padala, M., Das, D., & Gujar, S. (2020). *Effect of Input Noise Dimension in GANs*.  
<http://arxiv.org/abs/2004.06882>
- PERATURAN MENTERI KESEHATAN REPUBLIK INDONESIA*. (t.t.).
- Phan, H., Hertel, L., Maass, M., & Mertins, A. (2016). *Robust Audio Event Recognition with 1-Max Pooling Convolutional Neural Networks*. <http://arxiv.org/abs/1604.06338>
- Rajappan, D. R. E., Sanith, S., & Subbulakshmi, S. (2023). Malnutrition Detection using Deep Learning Models. *2023 4th IEEE Global Conference for Advancement in Technology, GCAT 2023*. <https://doi.org/10.1109/GCAT59970.2023.10353327>
- Saad, M. M., Rehmani, M. H., & O'reilly, R. (2022). Addressing the Intra-class Mode Collapse Problem using Adaptive Input Image Normalization in GAN-based X-ray Images. *Proceedings of the Annual International Conference of the IEEE Engineering*

- in Medicine and Biology Society, EMBS, 2022-July, 2049–2052.*  
<https://doi.org/10.1109/EMBC48229.2022.9871260>
- Shinagawa, N., & Ishikawa, M. (1991). Anthropometric measurement. *Nippon rinsho. Japanese journal of clinical medicine, 49 Suppl*, 58–62.  
<https://doi.org/10.53730/ijhs.v6ns3.7228>
- Shorten, C., & Khoshgoftaar, T. M. (2019). A survey on Image Data Augmentation for Deep Learning. *Journal of Big Data, 6*(1). <https://doi.org/10.1186/s40537-019-0197-0>
- Siddiqui, H., Rattani, A., Kisku, D. R., & Dean, T. (2020). *AI-based BMI Inference from Facial Images: An Application to Weight Monitoring*. <http://arxiv.org/abs/2010.07442>
- Siddiqui, H., Rattani, A., Ricanek, K., & Hill, T. (t.t.). *An Examination of Bias of Facial Analysis based BMI Prediction Models*. <https://www.who.int/health-topics/obesity>
- Simonyan, K., & Zisserman, A. (2014). *Very Deep Convolutional Networks for Large-Scale Image Recognition*. <http://arxiv.org/abs/1409.1556>
- Sivakumar, M., Parthasarathy, S., & Padmapriya, T. (2024). Trade-off between training and testing ratio in machine learning for medical image processing. *PeerJ Computer Science, 10*, e2245. <https://doi.org/10.7717/peerj-cs.2245>
- Srinivasa Rao, B., Ashok Kumar, Y., Vinay Sai, V., & Srinu, G. (2024). BMI Estimation via Facial Image Analysis. *ESIC 2024 - 4th International Conference on Emerging Systems and Intelligent Computing, Proceedings, 603–606*.  
<https://doi.org/10.1109/ESIC60604.2024.10481611>
- Sukriyandi, M. H., & Solichin, A. (2023). IDENTIFIKASI GARIS TELAPAK TANGAN DENGAN METODE MOBILENET CONVOLUTIONAL NEURAL NETWORK (CNN) UNTUK SISTEM PRESENSI SISWA. *Faktor Exacta, 16*(1).  
<https://doi.org/10.30998/faktorexacta.v16i1.15138>
- Tanjung, J. P., Faldi, Mhd. R., Sitompul, H., Ridho, M., & Ambarita, J. P. (2023). Optimizing Gender Classification Accuracy in Facial Images Using Data Augmentation and Inception V-3. *sinkron, 8*(4), 2627–2634. <https://doi.org/10.33395/sinkron.v8i4.12785>
- Utkualp, N., & Ercan, I. (2015). Anthropometric measurements usage in medical sciences. Dalam *BioMed Research International* (Vol. 2015). Hindawi Publishing Corporation.  
<https://doi.org/10.1155/2015/404261>
- Valueva, M. V., Nagornov, N. N., Lyakhov, P. A., Valuev, G. V., & Chervyakov, N. I. (2020). Application of the residue number system to reduce hardware costs of the convolutional neural network implementation. *Mathematics and Computers in Simulation, 177*, 232–243. <https://doi.org/10.1016/j.matcom.2020.04.031>
- Venu, S. K., & Ravula, S. (2021). Evaluation of deep convolutional generative adversarial networks for data augmentation of chest x-ray images. *Future Internet, 13*(1), 1–13.  
<https://doi.org/10.3390/fi13010008>
- Victora, C. G., Adair, L., Fall, C., Hallal, P. C., Martorell, R., Richter, L., & Sachdev, S. (2008). Maternal and Child Undernutrition 2 Maternal and child undernutrition:

- consequences for adult health and human capital. *www.thelancet.com*, 371.  
<https://doi.org/10.1016/S0140>
- Windhager, S., Bookstein, F. L., Millesi, E., Wallner, B., & Schaefer, K. (2017). Patterns of correlation of facial shape with physiological measurements are more integrated than patterns of correlation with ratings. *Scientific Reports*, 7.  
<https://doi.org/10.1038/srep45340>
- Yang, D., Zhang, J., Wang, S., & Zhang, X. (2019). A Time-Aware CNN-Based Personalized Recommender System. *Complexity*, 2019. <https://doi.org/10.1155/2019/9476981>
- Young, T., Hazarika, D., Poria, S., & Cambria, E. (2018). Recent trends in deep learning based natural language processing [Review Article]. Dalam *IEEE Computational Intelligence Magazine* (Vol. 13, Nomor 3, hlm. 55–75). Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/MCI.2018.2840738>
- Yunidar, Y., Roslidar, R., Oktiana, M., Yusni, Y., Nasaruddin, N., & Arnia, F. (2024). CLASSIFICATION OF STUNTED AND NORMAL CHILDREN USING NOVEL FACIAL IMAGE DATABASE AND CONVOLUTIONAL NEURAL NETWORK. *Radioelectronic and Computer Systems*, 2024(1(109)), 76–86.  
<https://doi.org/10.32620/REKS.2024.1.07>
- Zhang, C., Bengio, S., Hardt, M., Recht, B., & Vinyals, O. (2016). *Understanding deep learning requires rethinking generalization*. <http://arxiv.org/abs/1611.03530>
- Aisyah, I. S., Khomsan, A., Tanziha, I., & Riyadi, H. (2024). A Multiple Logistic Regression Analysis of Household Food and Nutrition Insecurity in Stunting and Non-Stunting Toddlers. *Current Research in Nutrition and Food Science*, 12(1), 452–461. <https://doi.org/10.12944/CRNFSJ.12.1.36>
- Al-Tae, R., Al-Saedi, A. I. L., & Nahidh, M. (2021). Does body mass index affect soft tissue facial anthropometric measurements? *International Journal of Morphology*, 39(2), 520–526. <https://doi.org/10.4067/S0717-95022021000200520>
- An, C., Park, Y. W., Ahn, S. S., Han, K., Kim, H., & Lee, S. K. (2021). Radiomics machine learning study with a small sample size: Single random training-test set split may lead to unreliable results. *PLoS ONE*, 16(8 August).  
<https://doi.org/10.1371/journal.pone.0256152>
- Ankalaki, S., Biradar, V. G., Kishor Kumar Naik, P., & Hukkeri, G. S. (2024). A Deep Learning Approach for Malnutrition Detection. *International journal of online and biomedical engineering*, 20(6), 116–138.  
<https://doi.org/10.3991/ijoe.v20i06.46919>
- Bengio, Y. (2017). *The Consciousness Prior*. <http://arxiv.org/abs/1709.08568>
- Biradar, V. G., H. H., Pareek, P. K., T. S., Aishwarya, K., & Aneeth, K. (2024). Performance Analysis of Deep Learning Models for Detection of Malnutrition in Children. 2024 *International Conference on Data Science and Network Security (ICDSNS)*, 1–8. <https://doi.org/10.1109/ICDSNS62112.2024.10691135>

- Bovik, A., Wang, Z., & Sheikh, H. (2005). *Structural Similarity Based Image Quality Assessment* (hlm. 225–241). <https://doi.org/10.1201/9781420027822.ch7>
- Bowles, C., Chen, L., Guerrero, R., Bentley, P., Gunn, R., Hammers, A., Dickie, D. A., Hernández, M. V., Wardlaw, J., & Rueckert, D. (2018). *GAN Augmentation: Augmenting Training Data using Generative Adversarial Networks*. <http://arxiv.org/abs/1810.10863>
- Curtó, J. D., Zarza, I. C., de la Torre, F., King, I., & Lyu, M. R. (2017). *High-resolution Deep Convolutional Generative Adversarial Networks*. <http://arxiv.org/abs/1711.06491>
- de Jager, S., Coetzee, N., & Coetzee, V. (2018). Facial adiposity, attractiveness, and health: A review. Dalam *Frontiers in Psychology* (Vol. 9, Nomor DEC). Frontiers Media S.A. <https://doi.org/10.3389/fpsyg.2018.02562>
- de Onis, M., & Branca, F. (2016). Childhood stunting: A global perspective. Dalam *Maternal and Child Nutrition* (Vol. 12, hlm. 12–26). Blackwell Publishing Ltd. <https://doi.org/10.1111/mcn.12231>
- Dubey, S. R., Singh, S. K., & Chaudhuri, B. B. (2021). *Activation Functions in Deep Learning: A Comprehensive Survey and Benchmark*. <http://arxiv.org/abs/2109.14545>
- Esteva, A., Kuprel, B., Novoa, R. A., Ko, J., Swetter, S. M., Blau, H. M., & Thrun, S. (2017). Dermatologist-level classification of skin cancer with deep neural networks. *Nature*, *542*(7639), 115–118. <https://doi.org/10.1038/nature21056>
- Frid-Adar, M., Diamant, I., Klang, E., Amitai, M., Goldberger, J., & Greenspan, H. (2018). *GAN-based Synthetic Medical Image Augmentation for increased CNN Performance in Liver Lesion Classification*. <https://doi.org/10.1016/j.neucom.2018.09.013>
- George Laskaris George Thieme Verlag, B. (1995). 48. 56 8 1995 The British Association of Plastic Surgeons. Dalam *British Journal of Plastic Surgery*.
- Gunawan, I., Andiesta, N. S., Gartika, M., & Primarti, R. S. (2020a). Relationship between protein deficiency accompanied by low body mass index with the head shape and face type of 6-7 years old children. *Padjadjaran Journal of Dentistry*, *32*(1), 57. <https://doi.org/10.24198/pjd.vol32no1.21165>
- Gunawan, I., Andiesta, N. S., Gartika, M., & Primarti, R. S. (2020b). Relationship between protein deficiency accompanied by low body mass index with the head shape and face type of 6-7 years old children. *Padjadjaran Journal of Dentistry*, *32*(1), 57. <https://doi.org/10.24198/pjd.vol32no1.21165>
- He, K., Zhang, X., Ren, S., & Sun, J. (2015). *Deep Residual Learning for Image Recognition*. <http://arxiv.org/abs/1512.03385>
- Henderson, A. J., Holzleitner, I. J., Talamas, S. N., & Perrett, D. I. (2016). Perception of health from facial cues. *Philosophical Transactions of the Royal Society B: Biological Sciences*, *371*(1693). <https://doi.org/10.1098/rstb.2015.0380>

- Hoddinott, J., Alderman, H., Behrman, J. R., Haddad, L., & Horton, S. (2013). The economic rationale for investing in stunting reduction. *Maternal and Child Nutrition*, 9(S2), 69–82. <https://doi.org/10.1111/mcn.12080>
- Ivanovic, D. M., Leiva, B. P., Pérez, H. T., Olivares, M. G., Díaz, N. S., Urrutia, M. S. C., Almagià, A. F., Toro, T. D., Miller, P. T., Bosch, E. O., & Larraín, C. G. (2004). Head size and intelligence, learning, nutritional status and brain development: Head, IQ, learning, nutrition and brain. *Neuropsychologia*, 42(8), 1118–1131. <https://doi.org/10.1016/j.neuropsychologia.2003.11.022>
- Iyengar, S. Sitharama., & Saxena, Vikas. (2019). *2019 Twelfth International Conference on Contemporary Computing (IC3-2019) : 8-10 August 2019, Jaypee Institute of Information Technology, Noida, India*. IEEE.
- Jiang, M., Guo, G., & Mu, G. (2020). Visual BMI estimation from face images using a label distribution based method. *Computer Vision and Image Understanding*, 197–198. <https://doi.org/10.1016/j.cviu.2020.102985>
- Karras, T., Laine, S., & Aila, T. (2018). *A Style-Based Generator Architecture for Generative Adversarial Networks*. <http://arxiv.org/abs/1812.04948>
- Kebonye, N. M. (2021). Exploring the novel support points-based split method on a soil dataset. *Measurement: Journal of the International Measurement Confederation*, 186. <https://doi.org/10.1016/j.measurement.2021.110131>
- Krizhevsky, A., Sutskever, I., & Hinton, G. E. (t.t.). *ImageNet Classification with Deep Convolutional Neural Networks*. <http://code.google.com/p/cuda-convnet/>
- Lakshminarayanan, A. R., Pavani, B., V Rajeswari, Parthasarathy, S., Azeez Khan, A. A., & Javubar Sathick, K. (2021, Maret 25). Malnutrition Detection using Convolutional Neural Network. *Proceedings of 2021 IEEE 7th International Conference on Bio Signals, Images and Instrumentation, ICBSII 2021*. <https://doi.org/10.1109/ICBSII51839.2021.9445188>
- Leroy, J. L., & Frongillo, E. A. (2019). Perspective: What Does Stunting Really Mean? A Critical Review of the Evidence. Dalam *Advances in Nutrition* (Vol. 10, Nomor 2, hlm. 196–204). Oxford University Press. <https://doi.org/10.1093/advances/nmy101>
- Lesnussa, Y. A., Sinay, L. J., & Idah, M. R. (2017). Aplikasi Jaringan Saraf Tiruan Backpropagation untuk Penyebaran Penyakit Demam Berdarah Dengue (DBD) di Kota Ambon. *Jurnal Matematika Integratif*, 13(2), 63. <https://doi.org/10.24198/jmi.v13.n2.11811.63-72>
- Levels and trends in child malnutrition*. (t.t.).
- Li, Z., Kim, R., Vollmer, S., & Subramanian, S. V. (2020). Factors Associated with Child Stunting, Wasting, and Underweight in 35 Low- And Middle-Income Countries. *JAMA Network Open*, 3(4). <https://doi.org/10.1001/jamanetworkopen.2020.3386>

- Liu, B., Lv, J., Fan, X., Luo, J., & Zou, T. (2022). Application of an Improved DCGAN for Image Generation. *Mobile Information Systems*, 2022. <https://doi.org/10.1155/2022/9005552>
- Lundervold, A. S., & Lundervold, A. (2019). An overview of deep learning in medical imaging focusing on MRI. Dalam *Zeitschrift fur Medizinische Physik* (Vol. 29, Nomor 2, hlm. 102–127). Elsevier GmbH. <https://doi.org/10.1016/j.zemedi.2018.11.002>
- Manimegala M, Gokulraj V, Karisni K, & Manisha S. (2024). Generating Human Face with Dcgan and Gan. *International Research Journal on Advanced Engineering Hub (IRJAEH)*, 2(05), 1348–1354. <https://doi.org/10.47392/irjaeh.2024.0186>
- Mirabet-Herranz, N., Mallat, K., & Dugelay, J. L. (2023). New Insights on Weight Estimation from Face Images. *2023 IEEE 17th International Conference on Automatic Face and Gesture Recognition, FG 2023*. <https://doi.org/10.1109/FG57933.2023.10042568>
- Padala, M., Das, D., & Gujar, S. (2020). *Effect of Input Noise Dimension in GANs*. <http://arxiv.org/abs/2004.06882>
- PERATURAN MENTERI KESEHATAN REPUBLIK INDONESIA*. (t.t.).
- Phan, H., Hertel, L., Maass, M., & Mertins, A. (2016). *Robust Audio Event Recognition with 1-Max Pooling Convolutional Neural Networks*. <http://arxiv.org/abs/1604.06338>
- Rajappan, D. R. E., Sanith, S., & Subbulakshmi, S. (2023). Malnutrition Detection using Deep Learning Models. *2023 4th IEEE Global Conference for Advancement in Technology, GCAT 2023*. <https://doi.org/10.1109/GCAT59970.2023.10353327>
- Saad, M. M., Rehmani, M. H., & O'reilly, R. (2022). Addressing the Intra-class Mode Collapse Problem using Adaptive Input Image Normalization in GAN-based X-ray Images. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS, 2022-July*, 2049–2052. <https://doi.org/10.1109/EMBC48229.2022.9871260>
- Shinagawa, N., & Ishikawa, M. (1991). Anthropometric measurement. *Nippon rinsho. Japanese journal of clinical medicine*, 49 Suppl, 58–62. <https://doi.org/10.53730/ijhs.v6ns3.7228>
- Shorten, C., & Khoshgoftaar, T. M. (2019). A survey on Image Data Augmentation for Deep Learning. *Journal of Big Data*, 6(1). <https://doi.org/10.1186/s40537-019-0197-0>
- Siddiqui, H., Rattani, A., Kisku, D. R., & Dean, T. (2020). *AI-based BMI Inference from Facial Images: An Application to Weight Monitoring*. <http://arxiv.org/abs/2010.07442>
- Siddiqui, H., Rattani, A., Ricanek, K., & Hill, T. (t.t.). *An Examination of Bias of Facial Analysis based BMI Prediction Models*. <https://www.who.int/health-topics/obesity>

- Simonyan, K., & Zisserman, A. (2014). *Very Deep Convolutional Networks for Large-Scale Image Recognition*. <http://arxiv.org/abs/1409.1556>
- Sivakumar, M., Parthasarathy, S., & Padmapriya, T. (2024). Trade-off between training and testing ratio in machine learning for medical image processing. *PeerJ Computer Science*, *10*, e2245. <https://doi.org/10.7717/peerj-cs.2245>
- Srinivasa Rao, B., Ashok Kumar, Y., Vinay Sai, V., & Srinu, G. (2024). BMI Estimation via Facial Image Analysis. *ESIC 2024 - 4th International Conference on Emerging Systems and Intelligent Computing, Proceedings*, 603–606. <https://doi.org/10.1109/ESIC60604.2024.10481611>
- Sukriyandi, M. H., & Solichin, A. (2023). IDENTIFIKASI GARIS TELAPAK TANGAN DENGAN METODE MOBILENET CONVOLUTIONAL NEURAL NETWORK (CNN) UNTUK SISTEM PRESENSI SISWA. *Faktor Exacta*, *16*(1). <https://doi.org/10.30998/faktorexacta.v16i1.15138>
- Tanjung, J. P., Faldi, Mhd. R., Sitompul, H., Ridho, M., & Ambarita, J. P. (2023). Optimizing Gender Classification Accuracy in Facial Images Using Data Augmentation and Inception V-3. *sinkron*, *8*(4), 2627–2634. <https://doi.org/10.33395/sinkron.v8i4.12785>
- Utkualp, N., & Ercan, I. (2015). Anthropometric measurements usage in medical sciences. Dalam *BioMed Research International* (Vol. 2015). Hindawi Publishing Corporation. <https://doi.org/10.1155/2015/404261>
- Valueva, M. V., Nagornov, N. N., Lyakhov, P. A., Valuev, G. V., & Chervyakov, N. I. (2020). Application of the residue number system to reduce hardware costs of the convolutional neural network implementation. *Mathematics and Computers in Simulation*, *177*, 232–243. <https://doi.org/10.1016/j.matcom.2020.04.031>
- Venu, S. K., & Ravula, S. (2021). Evaluation of deep convolutional generative adversarial networks for data augmentation of chest x-ray images. *Future Internet*, *13*(1), 1–13. <https://doi.org/10.3390/fi13010008>
- Victora, C. G., Adair, L., Fall, C., Hallal, P. C., Martorell, R., Richter, L., & Sachdev, S. (2008). Maternal and Child Undernutrition 2 Maternal and child undernutrition: consequences for adult health and human capital. *www.thelancet.com*, *371*. <https://doi.org/10.1016/S0140>
- Windhager, S., Bookstein, F. L., Millesi, E., Wallner, B., & Schaefer, K. (2017). Patterns of correlation of facial shape with physiological measurements are more integrated than patterns of correlation with ratings. *Scientific Reports*, *7*. <https://doi.org/10.1038/srep45340>
- Yang, D., Zhang, J., Wang, S., & Zhang, X. (2019). A Time-Aware CNN-Based Personalized Recommender System. *Complexity*, *2019*. <https://doi.org/10.1155/2019/9476981>
- Young, T., Hazarika, D., Poria, S., & Cambria, E. (2018). Recent trends in deep learning based natural language processing [Review Article]. Dalam *IEEE*

*Computational Intelligence Magazine* (Vol. 13, Nomor 3, hlm. 55–75). Institute of Electrical and Electronics Engineers Inc.

<https://doi.org/10.1109/MCI.2018.2840738>

Yunidar, Y., Roslidar, R., Oktiana, M., Yusni, Y., Nasaruddin, N., & Arnia, F. (2024).

CLASSIFICATION OF STUNTED AND NORMAL CHILDREN USING NOVEL FACIAL IMAGE DATABASE AND CONVOLUTIONAL NEURAL NETWORK. *Radioelectronic and Computer Systems*, 2024(1(109)), 76–86.

<https://doi.org/10.32620/REKS.2024.1.07>

Zhang, C., Bengio, S., Hardt, M., Recht, B., & Vinyals, O. (2016). *Understanding deep learning requires rethinking generalization*. <http://arxiv.org/abs/1611.03530>