BIBLIOGRAPHY

[1] H. Salam, “Wabah ”Lumpy Skin Disease” Kembali Muncul di Pulau Jawa,” kompas.id. Accessed: Dec. 19, 2025. [Online]. Available: https://www.kompas.id/artikel/peternak-diminta-waspadai-lsd-dengan-deteksi-dini

[2] D. Yustendi, S. Rahmazana, Yusuf, and E. Rosa, “Manajemen Pencegahan Penularan Penyakit Foot and Mouth Disease (FMD) dan Lumpy Skin Disease (LSD) di Puskeswan Baitussalam Kabupaten Aceh Besar,” Oct. 2022. [Online]. Available: http://jurnal.abulyatama.ac.id/index.php/semdiunaya

[3] F. Namazi and A. Khodakaram Tafti, “Lumpy skin disease, an emerging transboundary viral disease: A review,” May 01, 2021, *John Wiley and Sons Inc*. doi: 10.1002/vms3.434.

[4] T. Sentoso, F. Ardiansyah, V. Tamuntuan, and S. Sastra Wangsa, “Identifikasi Lumpy Skin Disease pada Ternak Sapi dengan Klasifikasi Citra menggunakan Metode Convolutional Neural Network Identification of Lumpy Skin Disease in Cattle with Image Classification using the Convolutional Neural Network Method,” *Jurnal Sistem Informasi*, vol. 13, 2024, [Online]. Available: http://sistemasi.ftik.unisi.ac.id

[5] M. Arabahmadi, R. Farahbakhsh, and J. Rezazadeh, “Deep Learning for Smart Healthcare—A Survey on Brain Tumor Detection from Medical Imaging,” Mar. 01, 2022, *MDPI*. doi: 10.3390/s22051960.

[6] A. Triwerdaya and E. Utami, “Hybrid ViT-CNN Model for Automatic Monkeypox Skin Lesion Diagnosis,” *Journal homepage: Journal of Electrical Engineering and Computer (JEECOM)*, vol. 7, no. 2, 2025, doi: 10.33650/jeecom.v4i2.

[7] Sayeed Sohail, “AI-Guided Lumpy Skin Disease Detection System Using Smartphone Vision Transformer,” Jul. 2025, doi: https://doi.org/10.31219/osf.io/y25h8_v2.

[8] L. Adilal Mahbub, E. Dewi Sri Mulyani, T. Ikhlas Ramadhan, and L. Mahbub, “Optimasi Model Convolutional Neural Network Untuk Klasifikasi Penyakit Lumpy Skin Pada Sapi,” *JURNAL ELEKTRO & INFORMATIKA*

SWADHARMA (JEIS), vol. 05, 2025, doi: https://doi.org/10.56486/jeis.vol5no2.783.

[9] A. Khan *et al.*, "A survey of the vision transformers and their CNN-transformer based variants," *Artif. Intell. Rev.*, vol. 56, no. S3, pp. 2917–2970, Dec. 2023, doi: 10.1007/s10462-023-10595-0.

[10] G. Huang, Z. Liu, L. Van Der Maaten, and K. Q. Weinberger, "Densely connected convolutional networks," in *Proceedings - 30th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2017*, Institute of Electrical and Electronics Engineers Inc., Nov. 2017, pp. 2261–2269. doi: 10.1109/CVPR.2017.243.

[11] M. Bundea and G. M. Danciu, "Pneumonia Image Classification Using DenseNet Architecture," *Information*, vol. 15, no. 10, p. 611, Oct. 2024, doi: 10.3390/info15100611.

[12] Y. Gu *et al.*, "A survey of computer-aided diagnosis of lung nodules from CT scans using deep learning," Oct. 01, 2021, *Elsevier Ltd*. doi: 10.1016/j.compbiomed.2021.104806.

[13] P. Sekar, R. Bhoopalan, N. Nagaprasad, T. R. Mamo, S. P. Dhanabal, and R. Krishnaraj, "D-TNet: a hybrid Dense Net-transformer model for robust diabetic retinopathy detection," *Sci. Rep.*, vol. 15, no. 1, Dec. 2025, doi: 10.1038/s41598-025-23234-1.

[14] R. C. Poonia and H. A. Al-Alshaikh, "Ensemble approach of transfer learning and vision transformer leveraging explainable AI for disease diagnosis: An advancement towards smart healthcare 5.0," *Comput. Biol. Med.*, vol. 179, Sep. 2024, doi: 10.1016/j.compbiomed.2024.108874.

[15] Cendana Harry Kristianto, "Perbandingan Algoritma ResNet-50 dan EfficientNet-B0 untuk Klasifikasi Penyakit Lumpy Skin Disease(LSD)," Institut Teknologi Telkom Purwokerto, 2024.

[16] I. Sendow, N. S. Assadah, A. Ratnawati, N. I. Dharmayanti, and M. Saepulloh, "Lumpy Skin Disease: Ancaman Penyakit Emerging Bagi Kesehatan Ternak Sapi Di Indonesia," *Indonesian Bulletin of Animal and Veterinary Sciences*, vol. 31, no. 2, p. 85, Jun. 2021, doi: 10.14334/wartazoa.v31i2.2739.

[17] Direktorat Jenderal Peternakan Dan Kesehatan Hewan Kementerian Pertanian Republik Indonesia, *Buku Rencana Kontingensi LSD*. Jakarta, 2022. Accessed:

Dec. 21, 2025. [Online]. Available: https://repository.pertanian.go.id/bitstream/handle/123456789/15724/Buku%20Rencana%20Kontingensi%20LSD.pdf?sequence=1&isAllowed=y

[18] Dr. Mohammed Hasan, "Graphics and Image Data Representation (Multimedia Lecture 3)," 2023. Accessed: Dec. 21, 2025. [Online]. Available: https://uomus.edu.iq/img/lectures21/MUCLecture_2023_121254131.pdf

[19] E. Naf'an, F. Islami, and Gushelmi, *Dasar-Dasar Deep Learning dan Contoh Aplikasinya*. Mitra Cendekia Media, 2022.

[20] L. Alzubaidi *et al.*, "Review of deep learning: concepts, CNN architectures, challenges, applications, future directions," *J. Big Data*, vol. 8, no. 1, p. 53, Mar. 2021, doi: 10.1186/s40537-021-00444-8.

[21] Katdesi, "Algoritma Deep Learning Apa yang Sedang Berkembang Pesat di Bulan Juli 2025 ," Katdesi.org. Accessed: Dec. 22, 2025. [Online]. Available: https://katdesi.org/algoritma-deep-learning-apa-yang-sedang-berkembang-pesat-di-bulan-juli-2025

[22] A. Khan, A. Sohail, U. Zahoora, and A. S. Qureshi, "A survey of the recent architectures of deep convolutional neural networks," *Artif. Intell. Rev.*, vol. 53, no. 8, pp. 5455–5516, Dec. 2020, doi: 10.1007/s10462-020-09825-6.

[23] X. Zhao, L. Wang, Y. Zhang, X. Han, M. Deveci, and M. Parmar, "A review of convolutional neural networks in computer vision," *Artif. Intell. Rev.*, vol. 57, no. 4, Apr. 2024, doi: 10.1007/s10462-024-10721-6.

[24] "Basic CNN Architecture," upGrad. Accessed: Jan. 22, 2026. [Online]. Available: https://www.upgrad.com/blog/basic-cnn-architecture/

[25] D. R. Rakhmatov, "A Neural Network Approach To Enhancing Pneumonia Diagnosis Accuracy," Feb. 2024.

[26] A. Dosovitskiy *et al.*, "An Image is Worth 16x16 Words: Transformers for Image Recognition at Scale," Jun. 2021, [Online]. Available: http://arxiv.org/abs/2010.11929

[27] T. Zhou, Y. Niu, H. Lu, C. Peng, Y. Guo, and H. Zhou, "Vision transformer: To discover the 'four secrets' of image patches," *Information Fusion*, vol. 105, p. 102248, May 2024, doi: 10.1016/j.inffus.2024.102248.

[28] R. Kim, D. Lee, J. Kim, J. Park, and S. E. Lee, "Hardware Accelerator for Approximation-Based Softmax and Layer Normalization in Transformers,"

Electronics (Switzerland), vol. 14, no. 12, Jun. 2025, doi: 10.3390/electronics14122337.

[29] Y. Wang, Y. Deng, Y. Zheng, P. Chattopadhyay, and L. Wang, "Vision Transformers for Image Classification: A Comparative Survey," *Technologies (Basel).*, vol. 13, no. 1, p. 32, Jan. 2025, doi: 10.3390/technologies13010032.

[30] Y. Hou, Z. Wu, X. Cai, and T. Zhu, "The application of improved densenet algorithm in accurate image recognition," *Sci. Rep.*, vol. 14, no. 1, Dec. 2024, doi: 10.1038/s41598-024-58421-z.

[31] H. A. Santoso, B. Fandhi Safsalta, N. Febrianto, G. Wilujeng Saraswati, and S.-C. Haw, "Comparative analysis of convolutional neural network and DenseNet121 transfer learning in agriculture focusing on crop leaf disease identification," *Applied Computing and Informatics*, Jun. 2024, doi: 10.1108/ACI-03-2024-0132.

[32] O. Elharrouss, Y. Akbari, N. Almaadeed, and S. Al-Maadeed, "Backbones-Review: Feature Extraction Networks for Deep Learning and Deep Reinforcement Learning Approaches," Jun. 2022, doi: 10.1016/j.cosrev.2024.100645.

[33] W. Chen, X. Tan, J. Zhang, G. Du, Q. Fu, and H. Jiang, "A robust approach for multi-type classification of brain tumor using deep feature fusion," *Front. Neurosci.*, vol. 18, 2024, doi: 10.3389/fnins.2024.1288274.

[34] R.-Y. Ju, T.-Y. Lin, J.-H. Jian, J.-S. Chiang, and W.-B. Yang, "ThreshNet: An Efficient DenseNet Using Threshold Mechanism to Reduce Connections," *IEEE Access*, vol. 10, pp. 82834–82843, 2022, doi: 10.1109/ACCESS.2022.3196492.

[35] T. Iqball and M. A. Wani, "Weighted ensemble model for image classification," *International Journal of Information Technology*, vol. 15, no. 2, pp. 557–564, Feb. 2023, doi: 10.1007/s41870-022-01149-8.

[36] J. Allgaier and R. Pryss, "Cross-Validation Visualized: A Narrative Guide to Advanced Methods," *Mach. Learn. Knowl. Extr.*, vol. 6, no. 2, pp. 1378–1388, Jun. 2024, doi: 10.3390/make6020065.

[37] J. 'Ferrer, "What Is Cross-Validation? A Plain English Guide with Diagrams," KDnuggets. Accessed: Jan. 22, 2026. [Online]. Available:

https://www.kdnuggets.com/what-is-cross-validation-a-plain-english-guide-with-diagrams

[38] M. S. Uzer, “Deep Learning-Based Classification Consisting of Pre-Trained Models and Proposed Model Using K-Fold Cross-Validation for Pistachio Species,” *Applied Sciences*, vol. 15, no. 8, p. 4516, Apr. 2025, doi: 10.3390/app15084516.

[39] M. A. K. Raiaan *et al.*, “A systematic review of hyperparameter optimization techniques in Convolutional Neural Networks,” *Decision Analytics Journal*, vol. 11, p. 100470, Jun. 2024, doi: 10.1016/j.dajour.2024.100470.

[40] M. Wojciuk, Z. Swiderska-Chadaj, K. Siwek, and A. Gertych, “Improving classification accuracy of fine-tuned CNN models: Impact of hyperparameter optimization,” *Heliyon*, vol. 10, no. 5, p. e26586, Mar. 2024, doi: 10.1016/j.heliyon.2024.e26586.

[41] V. Anand *et al.*, “Weighted Average Ensemble Deep Learning Model for Stratification of Brain Tumor in MRI Images,” *Diagnostics*, vol. 13, no. 7, p. 1320, Apr. 2023, doi: 10.3390/diagnostics13071320.

[42] J. H. Cabot and E. G. Ross, “Evaluating prediction model performance,” *Surgery*, vol. 174, no. 3, pp. 723–726, Sep. 2023, doi: 10.1016/j.surg.2023.05.023.