

DAFTAR PUSTAKA

- [1]. R. Katarya and A. Lal, "A Study on Combating Emerging Threat of Deepfake Weaponization," *2020 Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)*, Palladam, India, 2020, pp. 485-490, doi: 10.1109/I-SMAC49090.2020.9243588.
- [2]. J. Pardede and A. P. Setyaningrum, "Implementation of Generative Adversarial Network to Generate Fake Face Image," *JOIN (Jurnal Online Informatika)*, vol. 8, no. 1, pp. 44-51, 2023.
- [3]. P. Korshunov and S. Marcel, "Deepfakes: A New Threat to Face Recognition? Assessment and Detection," *arXiv preprint arXiv:1812.08685*, 2018.
- [4]. CNN Indonesia, "Kian Meresahkan, Simak Cara Agar Tak Jadi Korban Pornografi Deepfake," *CNN Indonesia*, 13-Sep-2024. [Online]. Available: <https://www.cnnindonesia.com/teknologi/20240913204619-192-1144365/kian-meresahkan-simak-cara-agar-tak-jadi-korban-pornografi-deepfake>. [Accessed: 22-Oct-2024].
- [5]. M. R. A. Yudianto, Kusri, dan H. A. Fatta, "Analisis Pengaruh Tingkat Akurasi Klasifikasi Citra Wayang dengan Algoritma Convolutional Neural Network," *Magister Teknik Informatika*, Fakultas Ilmu Komputer, Universitas Amikom Yogyakarta, Yogyakarta, Indonesia. [Online]. Tersedia: <https://www.researchgate.net/publication/352704547>
- [6]. J. Mu, M. Adrezo, and A. N. Haikal, "Identifikasi Wajah Asli dan Buatan Deepfake Menggunakan Metode Convolutional Neural Network," in *Proceedings of the Conference on Artificial Intelligence and Deep Learning*, 2024, pp. 1-8.

- [7].D. Suharyanto, C. Lubis, and A. B. Dharmawan, "Penerapan Convolutional Neural Network dan Capsule Networks dalam Mendeteksi Deepfake," in *Proceedings of the Artificial Intelligence and Applications Symposium*, Universitas Tarumanagara, Jakarta, 2024, pp. 50-55.
- [8].M. Sandler, A. Howard, M. Zhu, A. Zhmoginov, dan L.-C. Chen, "MobileNetV2: Inverted Residuals and Linear Bottlenecks," *arXiv preprint arXiv:1801.04381*, 2018
- [9].A. A. Wangsadidjaja, "Penerapan Deep Learning untuk Image Deepfake Detector Menggunakan Algoritma Neural Network," Bachelor's thesis, Teknik Informatika, Universitas Buddhi Dharma, Tangerang, Indonesia, 2023.
- [10]. K. He, X. Zhang, S. Ren, dan J. Sun, "Deep Residual Learning for Image Recognition," *arXiv preprint arXiv:1512.03385*, 2015.
- [11]. N. A. Al-Humaidan dan M. Prince, "A Classification of Arab Ethnicity Based on Face Image Using Deep Learning Approach," *IEEE Access*, vol. 9, pp. 50755–50766, 2021, doi: 10.1109/ACCESS.2021.3069022.
- [12]. A. Krizhevsky, I. Sutskever, dan G. E. Hinton, "ImageNet Classification with Deep Convolutional Neural Networks," *Communications of the ACM*, vol. 60, no. 6, pp. 84–90, 2017, doi: 10.1145/3065386.
- [13]. M. I. Abidin, "Pendeteksian Deepfake Pada Video Menggunakan ResNext CNN dan Long Short-Term Memory," *Fakultas Teknik Universitas Hasanuddin*, Gowa, Indonesia, 2023.
- [14]. A. Badale, L. Castelino, C. Darekar, and J. Gomes, "Deep Fake Detection using Neural Networks," *St. Francis Institute of Technology*, Mumbai, India, 2023.
- [15]. N. Srivastava, G. Hinton, A. Krizhevsky, I. Sutskever, and R. Salakhutdinov, "Dropout: A Simple Way to Prevent Neural Networks

- from Overfitting," Journal of Machine Learning Research*, vol. 15, pp. 1929–1958, 2014.
- [16]. I. A. Dewi and R. M. Margaretha, "Fake Face Image Classification Using FaceNet with Error Level Analysis," *Diseminasi FTI-1*, Institut Teknologi Nasional Bandung, Indonesia, 2023.
- [17]. W. Kurniawan, A. Kurniasih, and M. A. Ghani, "Real or Deepfake Face Detection in Images and Video Data using YOLO11 Algorithm," *Universitas Bina Sarana Informatika and Universitas Ary Ginanjar*, Indonesia, 2023.
- [18]. A. E. Saputro, "Klasifikasi Deepfake Video Menggunakan Random Forest dan Stochastic Gradient Descent Dengan Metode Pendekatan Triplet Loss Approach Algoritma MTCNN," *UIN Syarif Hidayatullah Jakarta*.
- [19]. M. I. Abidin, I. Nurtanio, and A. Achmada, "Deepfake detection in videos using Long Short-Term Memory and CNN ResNext," *Fakultas Teknik, Universitas Hasanuddin, Gowa*.
- [20]. M. Patrick, C. Lubis, and A. B. Dharmawan, "Pendekteksian Citra Deepfake Wajah di Smartphone Menggunakan MobileNetV3-Small dan LBP," *Teknik Informatika, FTI, Universitas Tarumanagara, Jakarta 11440, Indonesia*.
- [21]. I. J. Goodfellow, J. Pouget-Abadie, M. Mirza, B. Xu, D. Warde-Farley, S. Ozair, A. Courville, and Y. Bengio, "Generative Adversarial Nets," in *Proceedings of the 27th International Conference on Neural Information Processing Systems (NIPS)*, Montreal, QC, Canada, 2014, pp. 2672–2680.
- [22]. Y. Bengio, A. Courville, and P. Vincent, "Representation Learning: A Review and New Perspectives," *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol. 35, no. 8, pp. 1798–1828, Aug. 2013.

- [23]. M. A. Hasan, Y. Riyanto, and D. Riana, "Klasifikasi penyakit citra daun anggur menggunakan model CNN-VGG16," *Jurnal Ilmu Komputer Nusa Mandiri*, vol. 9, no. 3, pp. 215-228, 2021.
- [24]. H. Li, A. Rakhlin, and A. Jadbabaie, "Convergence of Adam Under Relaxed Assumptions," *arXiv preprint arXiv:2304.13972*, 2023. [Online]. Tersedia: <https://arxiv.org/abs/2304.13972>.
- [25]. L. N. Smith and N. Topin, "Super-Convergence: Very Fast Training of Neural Networks Using Large Learning Rates," *arXiv preprint arXiv:1708.07120*, 2017. [Online]. Available: <https://arxiv.org/abs/1708.07120>.
- [26]. T.-N. Le, H. H. Nguyen, J. Yamagishi, and I. Echizen, "OpenForensics: Large-scale challenging dataset for multi-face forgery detection and segmentation in-the-wild," in *Proc. IEEE/CVF Int. Conf. Comput. Vis. (ICCV)*, 2021.
- [27]. R. R. Selvaraju *et al.*, "Grad-CAM: Visual Explanations from Deep Networks via Gradient-Based Localization," *International Journal of Computer Vision*, vol. 128, pp. 336–359, 2020.
- [28]. R. D. Safiyah, Z. A. Rahim, S. Syafiq, Z. Ibrahim, and N. Sabri, "Performance Evaluation for Vision-Based Vehicle Classification Using Convolutional Neural Network," *IJET*, vol. 7, pp. 86–90, 2018
- [29]. A. Hussain, F. U. M. Ullah, I. Haq, M. Lee, and S. Baik, "Violent Activity Detection Using Deep Convolutional Neural Networks in Video Surveillance," **Kingston Journal of Computer Science**, vol. 17, no. 4, Sep. 2021, doi: 10.23019/kingpc.17.4.202108.005.