DAFTAR PUSTAKA

Alrayes, Fatma S., Mohammed Zakariah, Syed Umar Amin, Zafar Iqbal Khan and Jehad Saad Alqurni. 2024. "Network Security Enhanced with Deep Neural Network-Based Intrusion Detection System". *Computers, Materials & Continua* 80: 1457–1490. <https://doi.org/10.32604/cmc.2024.051996>.

Alzughaibi, Saud and Salim El Khediri. 2023. "A Cloud Intrusion Detection Systems Based on DNN Using Backpropagation and PSO on the CSE-CIC-IDS2018 Dataset". *Applied Sciences (Switzerland)* 13. <https://doi.org/10.3390/app13042276>.

Balla, Asaad, Mohamed Hadi Habaebi, Elfatih A. A. Elsheikh, Md. Rafiqul Islam, Fakher Eldin Mohamed Suliman and Sinil Mubarak. 2024. "Enhanced CNN-LSTM Deep Learning for SCADA IDS Featuring Hurst Parameter Self-Similarity". *IEEE Access* 12: 6100–6116. <https://doi.org/10.1109/ACCESS.2024.3350978>.

Bergstra, James and Yoshua Bengio. 2012. "Random Search for Hyper-Parameter Optimization". *Journal of Machine Learning Research* 13: 281–305. <https://doi.org/https://dl.acm.org/doi/10.5555/2188385.2188395>.

Budi Setiawan, Raka Jumersyah Pratama, Hengkky Restu Putra and FA Bambang Sukoco. 2025. "Detecting DoS and SPOOFING Attacks with DNN-Based IDS Using CICIoT 2024 DataSheet". *Media Journal of General Computer Science* 2: 18–27. <https://doi.org/10.62205/mjgcs.v2i1.90>.

Chen, Pin-Yu, Yash Sharma, Huan Zhang, Jinfeng Yi and Cho-Jui Hsieh. 2018. "EAD: Elastic-Net Attacks to Deep Neural Networks via Adversarial Examples". *Proceedings of the AAAI Conference on Artificial Intelligence* 32. <https://doi.org/10.1609/aaai.v32i1.11302>.

Cil, Abdullah Emir, Kazim Yildiz and Ali Buldu. 2021. "Detection of DDoS Attacks with Feed Forward Based Deep Neural Network Model". *Expert Systems with Applications* 169. <https://doi.org/10.1016/j.eswa.2020.114520>.

Fajri, Muhamad and Aji Primajaya. 2023. "Komparasi Teknik Hyperparameter Optimization Pada SVM Untuk Permasalahan Klasifikasi Dengan Menggunakan Grid Search Dan Random Search". *Journal of Applied Informatics and Computing* 7: 14–19. <https://doi.org/10.30871/jaic.v7i1.5004>.

Farhan, Muhammad, Hafiz Waheed ud din, Saadat Ullah, Muhammad Sajjad Hussain, Muhammad Amir Khan, Tehseen Mazhar, Umar Farooq Khattak and Ines Hilali Jaghdam. 2025. "Network-Based Intrusion Detection Using Deep Learning Technique". *Scientific Reports* 15. <https://doi.org/10.1038/s41598-025-08770-0>.

Figueiredo, João, Carlos Serrão and Ana Maria de Almeida. 2023. "Deep Learning Model Transposition for Network Intrusion Detection Systems". *Electronics (Switzerland)* 12. <https://doi.org/10.3390/electronics12020293>.

Fordana, Malik Dwi Yoni and Naim Rochmawati. 2022. "Optimisasi Hyperparameter CNN Menggunakan Random Search Untuk Deteksi COVID-19 Dari Citra X-Ray

Dada". *Journal of Informatics and Computer Science (JINACS)* 4: 10–18. <https://doi.org/10.26740/jinacs.v4n01.p10-18>.

Hairab, Belal Ibrahim, Mahmoud Said Elsayed, Anca D. Jurcut and Marianne A. Azer. 2022. "Anomaly Detection Based on CNN and Regularization Techniques Against Zero-Day Attacks in IoT Networks". *IEEE Access* 10: 98427–98440. <https://doi.org/10.1109/ACCESS.2022.3206367>.

Hindy, Hanan, David Brosset, Ethan Bayne, Amar Kumar Seeam, Christos Tachtatzis, Robert Atkinson and Xavier Bellekens. 2020. "A Taxonomy of Network Threats and the Effect of Current Datasets on Intrusion Detection Systems". *IEEE Access* 8: 104650–104675. <https://doi.org/10.1109/ACCESS.2020.3000179>.

Hoong Kok, Sim, Azween Bin Abdullah, SH Kok, Azween Abdullah, NZ Jhanjhi and Mahadevan Supramaniam. 2019. "A Review of Intrusion Detection System Using Machine Learning Approach". *International Journal of Engineering Research and Technology* 12: 8–15. <http://www.irphouse.com8>.

Khalaf Hussien, Zaid and Ban N.Dhannoon. 2020. "Anomaly Detection Approach Based on Deep Neural Network and Dropout". *Baghdad Science Journal* 17: 701–709. <https://doi.org/10.21123/bsj.2020.17.2(SI).0701>.

Kunang, Yesi Novaria, Siti Nurmaini, Deris Stiawan and Bhakti Yudho Suprapto. 2021. "Attack Classification of an Intrusion Detection System Using Deep Learning and Hyperparameter Optimization". *Journal of Information Security and Applications* 58: 102804. <https://doi.org/10.1016/j.jisa.2021.102804>.

Masum, Mohammad, Hossain Shahriar, Hisham Haddad, Md Jobair Hossain Faruk, Maria Valero, Md Abdullah Khan, Mohammad A. Rahman, Muhaiminul I. Adnan, Alfredo Cuzzocrea and Fan Wu. 2021. "Bayesian Hyperparameter Optimization for Deep Neural Network-Based Network Intrusion Detection". In: . *2021 IEEE International Conference on Big Data (Big Data)*. IEEE. 5413–5419. <https://doi.org/10.1109/BigData52589.2021.9671576>.

Mr.B.Karthikeyan and Dr.K.Kamali. 2025. "Energy Efficient Intrusion Detection System (IDS) and Feature Selection for IoT Using DNN Model". *International Journal For Multidisciplinary Research* 7: 517–522. <https://doi.org/10.36948/ijfmr.2025.v07i01.36636>.

Mubarok, M.R, M Muliadi and R Herteno. 2022. "Hyper-Parameter Tuning Pada XGBoost Untuk Prediksi Keberlangsungan Hidup Pasien Gagal Jantung". *KLIK : Jurnal Kajian Ilmu Komputer* 9. <https://doi.org/https://dx.doi.org/10.20527/klik.v9i2.484>.

Nabi, Faisal and Xujuan Zhou. 2024. "Enhancing Intrusion Detection Systems Through Dimensionality Reduction: A Comparative Study of Machine Learning Techniques for Cyber Security". *Cyber Security and Applications* 2. <https://doi.org/10.1016/j.csa.2023.100033>.

Najafabadi, Maryam M., Flavio Villanustre, Taghi M. Khoshgoftaar, Naeem Seliya, Randall Wald and Edin Muharemagic. 2015. "Deep Learning Applications and Challenges in Big Data Analytics". *Journal of Big Data* 2. <https://doi.org/10.1186/s40537-014-0007-7>.

Olugbenga, Oluwagbenga Esther Mercy, Taiwo Kolajo and Joshua Agbogun Babatunde. 2024. "Development and Evaluation of a Hybrid Machine Learning-Based Intrusion Detection System Using NSL-KDD Dataset". *UMYU Scientifica* 3: 277–283. <https://doi.org/10.56919/usci.2433.030>.

Ozkan-Okay, Merve, Refik Samet, Omer Aslan and Deepti Gupta. 2021. "A Comprehensive Systematic Literature Review on Intrusion Detection Systems". *IEEE Access* 9: 157727–157760. <https://doi.org/10.1109/ACCESS.2021.3129336>.

Putri, Tita Aulia Edi, Tatik Widiharih and Rukun Santoso. 2023. "Penerapan Tuning Hyperparameter RandomSearchCV Pada Adaptive Boosting Untuk Prediksi Kelangsungan Hidup Pasien Gagal Jantung". *Jurnal Gaussian* 11: 397–406. <https://doi.org/10.14710/j.gauss.11.3.397-406>.

Sharma, Bhawana, Lokesh Sharma and Chhagan Lal. 2023. "Anomaly-Based DNN Model for Intrusion Detection in IoT and Model Explanation: Explainable Artificial Intelligence". In: . *Lecture Notes in Networks and Systems*. Springer Science and Business Media Deutschland GmbH. 554: 315–324. <https://doi.org/10.1007/978-981-19-6661-3_28>.

Simarmata, Prialdi, Naikson Fandier Saragih, Indra Kelana Jaya and Histori Artikel. 2023. "Deteksi Serangan DDOS Pada VPS Menggunakan Metode Deep Neural Network". *Methotika : Jurnal Ilmiah Teknik Informatika* 3: 1–12. <http://ojs.fikom-methodist.net/index.php/methotika>.

Srivastava, Nitish, Geoffrey Hinton, Alex Krizhevsky and Ruslan Salakhutdinov. 2014. "Dropout: A Simple Way to Prevent Neural Networks from Overfitting". *Journal of Machine Learning Research* 15: 1929–1958. <https://doi.org/https://dl.acm.org/doi/10.5555/2627435.2670313>.

Suartana, I. M. 2022. "Analisis Penerapan Deep Learning Untuk Klasifikasi Serangan Terhadap Keamanan Jaringan". *Klik-Kumpulan Jurnal Ilmu Komputer* 9: 100–109. <https://doi.org/https://dx.doi.org/10.20527/klik.v9i1.451>.

Thakkar, Ankit and Ritika Lohiya. 2021. "Analyzing Fusion of Regularization Techniques in the Deep Learning-Based Intrusion Detection System". *International Journal of Intelligent Systems* 36: 7340–7388. <https://doi.org/10.1002/int.22590>.

Thirimanne, Sharuka Promodya, Lasitha Jayawardana, Lasith Yasakethu, Pushpika Liyanaarachchi and Chaminda Hewage. 2022. "Deep Neural Network Based Real-Time Intrusion Detection System". *SN Computer Science* 3. <https://doi.org/10.1007/s42979-022-01031-1>.

Vinayakumar, R., Mamoun Alazab, K. P. Soman, Prabaharan Poornachandran, Ameer Al-Nemrat and Sitalakshmi Venkatraman. 2019. "Deep Learning Approach for Intelligent Intrusion Detection System". *IEEE Access* 7: 41525–41550. <https://doi.org/10.1109/ACCESS.2019.2895334>.

Wang, Tengyao. 2024. "Research on Intrusion Detection Classification Methods Based on PCA-Decision Tree". *Academic Journal of Computing & Information Science* 7. <https://doi.org/10.25236/ajcis.2024.071206>.

Zakariah, Mohammed, Salman A. AlQahtani, Abdulaziz M. Alawwad and Abdullilah A. Alotaibi. 2023. "Intrusion Detection System with Customized Machine Learning Techniques for NSL-KDD Dataset". *Computers, Materials and Continua* 77: 4025–4054. <https://doi.org/10.32604/cmc.2023.043752>.