

DAFTAR PUSTAKA

- Abbas, N. A. F., Abdulredha, N., Ibrahim, R. K., & Ali, A. H. (2022). Security and imperceptibility improving of image steganography using pixel allocation and random function techniques. *International Journal of Electrical and Computer Engineering*, 12(1), 694–705. <https://doi.org/10.11591/ijece.v12i1.pp694-705>
- Adela, S., Sibarani, B., Munthe, A., Purba, R., Lubis, A. A., Mikroskil, U., & Korespondensi, P. (2024). *Pengamanan Citra Digital Menggunakan Kriptografi Dna Digital Image Security Using Dna Cryptography and Modified Lsb*. 11(6). <https://doi.org/10.25126/jtiik.2024117666>
- Ali, M. Z., Riaz, O., Hasnain, H. M., Sharif, W., Ali, T., & Choi, G. S. (2024). Elevating Image Steganography: A Fusion of MSB Matching and LSB Substitution for Enhanced Concealment Capabilities. *Computers, Materials and Continua*, 79(2), 2923–2943. <https://doi.org/10.32604/cmc.2024.049139>
- Almazaydeh, L. (2020). Secure RGB image steganography based on modified LSB substitution. *International Journal of Embedded Systems*, 12(4), 453–457. <https://doi.org/10.1504/IJES.2020.107644>
- Aqilah Syaima' Fadel, Rianto David Saputra, Fatma, Y., & Risky Nanda Putra. (2024). Analisis keamanan steganografi teks dengan metode lsb (least significant bit) pada citra digital. *Jurnal CoSciTech (Computer Science and Information Technology)*, 5(1), 36–41. <https://doi.org/10.37859/coscitech.v5i1.6759>
- Bansal, K., Agrawal, A., & Bansal, N. (2020). *A Survey on Steganography using*

Least Significant bit (LSB) Embedding Approach. Icoei, 64–69.

Brown, R. A. (2024). *Comparative Performance of the AVL Tree to Three Variants of the Red-Black Tree Comparative Performance of the AVL Tree to Three Variants of the Red-Black Tree.*

Deaz, N. M., Jumadi, J., Akbar, A. Al, & Dehasen, U. (2025). *IMPLEMENTASI KEAMANAN PADA CITRA DIGITAL MENGGUNAKAN ALGORITMA LEAST CONGRUENTIAL GENERATOR DAN. 4307(1), 31–39.*

Ehsan Ali, U. A. M., Ali, E., Sohrawordi, M., & Sultan, M. N. (2021). A LSB Based Image Steganography Using Random Pixel and Bit Selection for High Payload. *International Journal of Mathematical Sciences and Computing, 7(3), 24–31.* <https://doi.org/10.5815/ijmsc.2021.03.03>

Gahan, A. V., & Devanagavi, G. D. (2020). A Secure Steganography Model Using Random-Bit Select Algorithm. *Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020.* <https://doi.org/10.1109/ICAIECC50550.2020.9339474>

Gutub, A., Ankeer, M., Abu-ghalioun, M., Shaheen, A., & Alvi, A. (2008). Pixel Indicator High Capacity Technique for Rgb Image Based Steganography. *Systems Science, Figure 1, 5–8.*

Humayrah, R., Elhanafi, A. M., & Batubara, M. T. (2022). Analisa Histogram dan PSNR Pada Citra True Color Dalam Pengamanan Teks Menggunakan Spread Spectrum dan LSB Histogram and PSNR Analysis on True Color Image in Text Security Using Spread Spectrum and LSB. *Januari, 2023(2), 188–200.*

<https://jurnal.unity-academy.sch.id/index.php/jirsi/index188%0Ahttp://creativecommons.org/licenses/by-sa/4.0/>

Kadhim, I. J., Premaratne, P., Vial, P. J., & Halloran, B. (2019). Comprehensive survey of image steganography: Techniques, Evaluations, and trends in future research. *Neurocomputing*, 335, 299–326. <https://doi.org/10.1016/j.neucom.2018.06.075>

Kordov, K., & Zhelezov, S. (2021). Steganography in color images with random order of pixel selection and encrypted text message embedding. *PeerJ Computer Science*, 7, 1–21. <https://doi.org/10.7717/PEERJ-CS.380>

Kurniasih, F., Marwati, R., & Sispiyati, R. (2023). *Penggabungan Affine Cipher dan Least Significant Bit-2 untuk Penyisipan Pesan Rahasia pada Gambar*. 11(2), 79–88. <https://doi.org/https://doi.org/10.17509/jem.v11i2.62115>

Kushwah, J. S., Gupta, D., Shrivastava, A., Ambily Pramitha, P., Abraham, J. T., & Lunagarra, M. (2021). Analysis and visualization of proxy caching using LRU, AVL tree and BST with supervised machine learning. *Materials Today: Proceedings*, 51(xxxx), 750–755. <https://doi.org/10.1016/j.matpr.2021.06.224>

Minarni, M., Ikram, A., Warman, I., & Yoga Swara, G. (2023). Implementasi Algoritma Vigenere Cipher Dan End Of File Pada Steganografi Video. *Jurnal Minfo Polgan*, 12(1), 432–441. <https://doi.org/10.33395/jmp.v12i1.12418>

Nasution, S. B., Hidayat, B., & Ramatryana, I. N. A. (2017). Steganalisis Citra Digital Berbasis Discrete Cosine Transform Dengan Menggunakan Metode

- K-Nearest Neighbor. *Prosiding SENIATI*, B57.1-6.
<https://ejournal.itn.ac.id/index.php/seniati/article/view/1806>
- Nasution, Y. R., Furqan, M., & Sinaga, M. (2020). Implementasi Steganografi Menggunakan Metode Spread Spectrum Dalam Pengamanan Data Teks Pada Citra Digital. *Jurnal Sains Komputer & Informatika (J-SAKTI)*, 4(2), 351–358.
- Njoun, M., Sulaiman, R., Shukur, Z., & Qamar, F. (2024). High-Secured Image LSB Steganography Using AVL-Tree with Random RGB Channel Substitution. *Computers, Materials and Continua*, 81(1), 183–211.
<https://doi.org/10.32604/cmc.2024.050090>
- Pandey, J., Joshi, K., Jangra, M., & Sain, M. (2019). Pixel indicator steganography technique with enhanced capacity for RGB images. *2019 International Conference on Intelligent Computing and Control Systems, ICCS 2019, Iciccs*, 738–743. <https://doi.org/10.1109/ICCS45141.2019.9065350>
- Qulub, M., & Shanti Bhuana, I. (2024). Implementasi Algoritma Depth-First Search Dan Breadth-First Search Pada Dokumen Akreditasi. *Journal of Science and Social Research*, 4307(1), 197–204.
<http://jurnal.goretanpena.com/index.php/JSSR>
- Rahmani, V., & Mohammadpour, M. (2017). High hiding capacity steganography method based on pixel indicator technique. *5th Iranian Joint Congress on Fuzzy and Intelligent Systems - 16th Conference on Fuzzy Systems and 14th Conference on Intelligent Systems, CFIS 2017*, 144–149.
<https://doi.org/10.1109/CFIS.2017.8003673>

- Refan Rahmat Fauzi, Mochammad Taufik Faturrohman, & Raihan Samhari. (2023). Penggunaan Algoritma Backtracking Pada Permainan Knight's Tour Dengan Membandingkan Algoritma BFS Dan DFS. *Jurnal Ilmiah Teknik Informatika Dan Komunikasi*, 3(2), 168–173. <https://doi.org/10.55606/juitik.v3i2.512>
- Renaldy, R., & Informatika, J. (2024). *Implementasi Steganografi Pada Citra Digital Menggunakan Metode Least Significant Bit (Lsb) Dan Enkripsi Rsa Untuk Keamanan Data*. 9(Sens 9), 588–596.
- Şahin, F., Çevik, T., & Takaoğlu, M. (2021). Review of the Literature on the Steganography Concept. *International Journal of Computer Applications*, 183(2), 38–46. <https://doi.org/10.5120/ijca2021921298>
- Siaulhak, S., & Safwan Kasma. (2023). Sistem Pengiriman File Menggunakan Steganografi Pengolahan Citra Digital Berbasis Matriks Laboratory. *BANDWIDTH: Journal of Informatics and Computer Engineering*, 1(2), 75–81. <https://doi.org/10.53769/bandwidth.v1i2.522>
- Solichin, A. (2015). Mengukur Kualitas Citra Hasil Steganografi. *Mengukur Kualitas Citra Hasil Steganografi*, April, 1–4.
- Sugiarto, B., Sari, C. A., Rosal Ignatius Moses Setiadi, D., & Rachmawanto, E. H. (2020). Performance analysis of LSB color image steganography based on embedding pattern of the rgb channels. *Proceedings - 2020 International Seminar on Application for Technology of Information and Communication: IT Challenges for Sustainability, Scalability, and Security in the Age of Digital*

Disruption, ISemantic 2020, 73–78.

<https://doi.org/10.1109/iSemantic50169.2020.9234247>

Tiwari, K., & Gangurde, S. J. (2021). LSB Steganography Using Pixel Locator Sequence with AES. *ICSCCC 2021 - International Conference on Secure Cyber Computing and Communications*, 302–307.

<https://doi.org/10.1109/ICSCCC51823.2021.9478162>