

## DAFTAR PUSTAKA

- [1] A. K. Singh, B. Kumar, M. Dave, and A. Mohan, "Multiple watermarking on medical images using selective discrete wavelet transform coefficients," *J. Med. Imaging Heal. Informatics*, vol. 5, no. 3, pp. 607–614, 2015, doi: 10.1166/jmihi.2015.1432.
- [2] L. Novamizanti, I. Wahidah, and N. Wardana, "A Robust Medical Images Watermarking Using FDCuT-DCT-SVD," *Int. J. Intell. Eng. Syst.*, vol. 13, no. 6, pp. 266–278, 2020, doi: 10.22266/ijies2020.1231.24.
- [3] B. Sharma and M. Dave, "Robust Hybrid Watermarking using Image and Audio against Synchronization Attacks," *Proc. 3rd Int. Conf. Electron. Commun. Aerosp. Technol. ICECA 2019*, pp. 162–166, 2019, doi: 10.1109/ICECA.2019.8821876.
- [4] I. Situmorang, "Implementasi Watermark Pada Citra Menggunakan Metode Spread Spectrum," vol. 03, pp. 83–89, 2018.
- [5] M. A. Zainuddin, "Jpeg Dengan Teknik Spread Spektrum Direct Sequence ( Ds-Ss ) Jpeg Dengan Teknik Spread Spektrum Direct Sequence ( Ds-Ss ) Surabaya," 2011.
- [6] B. Kumar, A. Anand, S. P. Singh, and A. Mohan, "High capacity spread-spectrum watermarking for telemedicine applications," *World Acad. Sci. Eng. Technol.*, vol. 79, no. 7, pp. 95–99, 2011, doi: 10.5281/zenodo.1059548.
- [7] J. Liu, J. Li, J. Ma, N. Sadiq, U. A. Bhatti, and Y. Ai, "A robust multi-watermarking algorithm for medical images based on DTCWT-DCT and henon map," *Appl. Sci.*, vol. 9, no. 4, 2019, doi: 10.3390/app9040700.
- [8] S. Mabtoul and D. Aboutajdine, "A Blind Image Watermarking Algorithm Based on Dual Tree Complex Wavelet Transform," pp. 6–9.
- [9] M. T. Naseem, I. M. Qureshi, Atta-Ur-Rahman, and M. Z. Muzaffar, "Robust watermarking for medical images resistant to geometric attacks," *2012 15th Int. Multitopic Conf. INMIC 2012*, pp. 224–228, 2012, doi: 10.1109/INMIC.2012.6511496.
- [10] S. P. Maity and M. K. Kundu, "Performance improvement in spread

- spectrum image watermarking using wavelets,” *Int. J. Wavelets, Multiresolution Inf. Process.*, vol. 9, no. 1, pp. 1–33, 2011, doi: 10.1142/S0219691311003931.
- [11] D. Putra, “Pengolahan Citra Digital,” no. April, p. 420, 2010.
- [12] A. Tefas, N. Nikolaidis, and I. Pitas, *Image Watermarking: Techniques and Applications*, 1st ed. Elsevier, 2009.
- [13] M. Begum and M. S. Uddin, “Digital image watermarking techniques: A review,” *Inf.*, vol. 11, no. 2, 2020, doi: 10.3390/info11020110.
- [14] J. Liu and X. He, “A Review Study on Digital Watermarking,” *Inf. Commun. Technol.*, pp. 337–341, 2007.
- [15] H. Zhang, C. Wang, and X. Zhou, “Fragile watermarking for image authentication using the characteristic of SVD,” *Algorithms*, vol. 10, no. 1, 2017, doi: 10.3390/a10010027.
- [16] Munir, “Image Watermarking untuk Memproteksi Citra Digital dan Aplikasinya pada Citra Medis,” *Inst. Teknol. Bandung*, 2005.
- [17] J. Katz, *Cryptography*. 2004.
- [18] I. J. Cox, J. Kilian, F. T. Leighton, and T. Shanon, “Watermarking for Multimedia,” *IEEE Trans. Image Process.*, vol. 6, no. 12, pp. 1673–1687, 1997.
- [19] P. Yang and G. Yang, “Statistical model and local binary pattern based texture feature extraction in dual-tree complex wavelet transform domain,” *Multidimens. Syst. Signal Process.*, vol. 29, no. 3, pp. 851–865, 2018, doi: 10.1007/s11045-017-0474-z.
- [20] I. Wahidah, L. Novamizanti, F. T. Elektro, U. Telkom, V. Watermark, and D. W. Transform, “Analisis Ketahanan Video Watermark Ing Dengan Metode Dual-Tree Complex Wavelet Transform Terhadap Serangan Kamera Digital Analysis of Robustness Video Watermarking Based on Dual-Tree,” vol. 7, no. 2, pp. 3192–3199, 2020.
- [21] I. W. Selesnick, R. G. Baraniuk, and N. G. Kingsbury, “The dual-tree complex wavelet transform,” *IEEE Signal Process. Mag.*, vol. 22, no. 6, pp. 123–151, 2005, doi: 10.1109/MSP.2005.1550194.
- [22] N. Prashar, M. Sood, and S. Jain, “Dual-tree complex wavelet transform

- technique-based optimal threshold tuning system to deliver denoised ECG signal,” *Trans. Inst. Meas. Control*, vol. 42, no. 4, pp. 854–869, 2020, doi: 10.1177/0142331219895708.
- [23] Q. S. Lian, Y. Y. Gao, L. Li, and P. P. Hao, “Image compressed sensing based on DT-CWT,” *ICALIP 2008 - 2008 Int. Conf. Audio, Lang. Image Process. Proc.*, no. 1, pp. 1573–1578, 2008, doi: 10.1109/ICALIP.2008.4589981.
- [24] R. Thanki, S. Borra, V. Dwivedi, and K. Borisagar, “An efficient medical image watermarking scheme based on FDCuT–DCT,” *Eng. Sci. Technol. an Int. J.*, vol. 20, no. 4, pp. 1366–1379, 2017, doi: 10.1016/j.jestch.2017.06.001.
- [25] S. M. Mousavi, A. Naghsh, and S. A. R. Abu-Bakar, “Watermarking Techniques used in Medical Images: a Survey,” *J. Digit. Imaging*, vol. 27, no. 6, pp. 714–729, 2014, doi: 10.1007/s10278-014-9700-5.
- [26] M. S. Sudha and T. C. Thanuja, “A robust image watermarking technique using DTCWT and PCA,” *Int. J. Appl. Eng. Res.*, vol. 12, no. 19, pp. 8252–8256, 2017.