DAFTAR PUSTAKA

[1] Hutabarat, S. E. (2021). Aspek Hukum Penggunaan Tanda Tangan Digital Dalam Menyelesaikan Penandatanganan Dokumen-Dokumen Bisnis Perusahaan-Perusahaan Yang Dikembangkan Oleh PrivyID.

[2] Raodia. (2019). PENGARUH PERKEMBANGAN TEKNOLOGI TERHADAP TERJADINYA KEJAHATAN MAYANTARA (CYBERCRIME). Jurisprudentie | (Vol. 6).

[3] Lorien, A., & Wellem, T. (2021). Implementasi Sistem Otentikasi Dokumen Berbasis Quick Response (QR) Code dan Digital Signature. *Jurnal RESTI* (*Rekayasa Sistem Dan Teknologi Informasi*), 5(4), 663 - 671. https://doi.org/10.29207/resti.v5i4.3316.

[4] Nashikhuddin, Ahmad. (2024). Implementasi Enkripsi Dalam Database Menggunakan Algoritma Caesar Cipher Dan Base64 Fitur Akreditasi Aplikasi Simft Universitas Muhammadiyah Ponorogo.

[5] Laporan Tahunan 2023. Ombudsman Republik Indonesia

[6] Setiawan, A. (2022). Pengamanan RSA Untuk Dokumen Borang Program Studi Universitas Darma Persada. Computer Based Information System Journal, 10(1), 82-88.https://doi.org/10.33884/cbis.v10i1.455.

[7] Suratma, A. G. P., & Azis, A. (2017). Tanda Tangan Digital Menggunakan QR Code dengan Metode Advanced Encryption Standard. Techno (Jurnal Fakultas Teknik, Universitas Muhammadiyah Purwokerto), 18(1), 59-68. https://dx.doi.org/10.30595/techno.v18i1.1482.

[8] Azdy, R. A. (2016). Tanda tangan digital menggunakan algoritme keccak dan RSA. Jurnal Nasional Teknik Elektro dan Teknologi Informasi, 5(3), 184-191.https://journal.ugm.ac.id/v3/JNTETI/article/view/2932.

[9] Nuraeni, F., Agustin, Y. H., & Muharam, I. M. (2018). Implementasi Tanda Tangan Digital Menggunakan RSA dan SHA-512 Pada Proses Legalisasi Ijazah. Konferensi Nasional Sistem Informasi (KNSI) 2018.

[10] Munir, R. (2006). Kriptografi. Informatika, Bandung.

[11] Prayitno, A., & Nurdin, N. (2017). Analisa Dan Implementasi Kriptografi Pada Pesan Rahasia Menggunakan Algoritma Cipher Transposition. Jurnal elektronik sistem informasi dan komputer, 3(1), 1-10.

[12] Ariyus, D. (2006). Kriptografi keamanan data dan komunikasi. Graha Ilmu, Yogyakarta.

[13] Chandra, W. (2010). Kriptografi dan Algoritma RSA. Bandung: Institut Teknologi Bandung.

[14] Kalpana, P., & Singaraju, S. (2012). Data security in cloud computing using RSA algorithm. *International Journal of research in computer and communication technology,* IJRCCT, ISSN, 2278-5841. https://doi.org/10.46632/daai/3/2/18.

[15] Lakshmi, T. V., & Rakshitha, L. (2024). The Power of React JS for Business Applications. International Research Journal on Advanced Engineering and Management (IRJAEM), 2(05), 1637-1639. https://doi.org/10.47392/IRJAEM.2024.0229.

[16] Tilkov, S., & Vinoski, S. (2010). Node. js: Using JavaScript to build high-performance network programs. IEEE Internet Computing, 14(6), 80-83. https://doi.org/10.1109/MIC.2010.145.

[17] Cantelon, M., Harter, M., Holowaychuk, T. J., & Rajlich, N. (2014). Node. js in Action (pp. 17-20). *Greenwich: Manning*.

[18] Brown, E. (2019). Web development with node and express: leveraging the JavaScript stack. *O'Reilly Media*.

[19] Herron, D. (2020). Node. js Web Development: Server-side web development made easy with Node 14 using practical examples. *Packt Publishing Ltd*.

[20] PostgreSQL Global Development Group. "PostgreSQL: About". [Online]. Avaible: https://www.postgresql.org/about/. [Accessed 20 Januari 2025].

[21] Kurniawan, I. (2023). PEMANFAATAN QR CODE PADA APLIKASI ANDROID SEBAGAI UPAYA PENEMUAN KEMBALI ARSIP DI PT KERETA API INDONESIA (PERSERO) DAERAH OPERASI 4 SEMARANG (Doctoral dissertation, UNIVERSITAS ISLAM SULTAN AGUNG SEMARANG).

[22] Sneha, K., & Malle, G.M. (2017). Research on software testing techniques and software automation testing tools. 2017 International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS), 77-81. https://doi.org/10.1109/ICECDS.2017.8389562.

[23] S. R. Choudhary, H. Versee, and A. Orso, "A Cross-Browser Web Application Testing Tool" in 2010 IEEE International Conference on Software Maintenance, 2010, pp. 1-6. https://doi.org/10.1109/ICSM.2010.5609728.

[24] Feistel, H. (1973). Cryptography and Computer Privacy. *Scientific American*, 228(5), 15–23. http://www.jstor.org/stable/24923044.

[25] Verma, R., & Sharma, A. K. (2020). Cryptography: Avalanche effect of AES and RSA. *International Journal of Scientific and Research Publications*, 10(4), 119-122. http://dx.doi.org/10.29322/IJSRP.10.04.2020.p10013.

[26] Patil, P., Narayankar, P., Narayan, D. G., & Meena, S. M. (2016). A Comprehensive Evaluation of Cryptographic Algorithms: DES, 3DES, AES, RSA and Blowfish. *Procedia Computer Science*, 78, 617–624. https://doi.org/10.1016/j.procs.2016.02.108.

[27] Kalaiselvi, R. C, & Vennila, S.M. (2021). SECURITY ENHANCEMENT USING CUSTOM-AES AND ITS PERFORMANCE EVALUATION ON AVALANCHE EFFECT-A NEW APPROACH. *Indian Journal of Computer Science and Engineering.* http://dx.doi.org/10.21817/indjcse/2021/v12i3/211203092.

[28] Nuraeni, F., Agustin, Y. H., Kurniadi, D., & Ariyanti, I. D. (2020). Implementasi Skema QR-Code dan Digital Signature menggunakan Kombinasi Algoritma RSA dan AES untuk Pengamanan Sertifikat Elektronik. *In Seminar Nasional Teknologi Informasi Komunikasi dan Industri* (p. 43).

[29] Thabit, F., Alhomdy, S., & Jagtap, S. (2021). A new data security algorithm for the cloud computing based on genetics techniques and logical-mathematical functions. International Journal of Intelligent Networks, 2, 18–33. https://doi.org/10.1016/j.ijin.2021.03.001.

[30] Kuang, J., Cao, X., Li, S., & Li, L. (2024). DRcipher: A pseudo-random dynamic round lightweight block cipher. Journal of King Saud University - Computer and Information Sciences, 36(1). https://doi.org/10.1016/j.jksuci.2024.101928.

[31] Murad, S. H., & Rahouma, K. H. (2021). Implementation and Performance Analysis of Hybrid Cryptographic Schemes applied in Cloud Computing Environment. Procedia Computer Science, 194, 165–172. https://doi.org/10.1016/j.procs.2021.10.070.

[32] Muhammad, F. (2017). Uji Ketahanan Algoritma AES 256-bit dan Algoritma RSA Menggunakan Metode Brute Force Attack Serta Membandingkan Nilai Avalanche Effect.

[33] Mojisola, F. O., Misra, S., Falayi Febisola, C., Abayomi-Alli, O., & Sengul, G. (2022). An improved random bit-stuffing technique with a modified RSA algorithm for resisting attacks in information security (RBMRSA). Egyptian Informatics Journal, 23(2), 291–301. https://doi.org/10.1016/j.eij.2022.02.001.

[34] Ratha, P., Swain, D., Paikaray, B., & Sahoo, S. (2015). An Optimized Encryption Technique using an Arbitrary Matrix with Probabilistic

Encryption. Procedia Computer Science, 57, 1235–1241. https://doi.org/10.1016/j.procs.2015.07.422.

[35] Thabit, F., Can, O., Alhomdy, S., Al-Gaphari, G. H., & Jagtap, S. (2022). A Novel Effective Lightweight Homomorphic Cryptographic Algorithm for data security in cloud computing. International Journal of Intelligent Networks, 3, 16–30. https://doi.org/10.1016/j.ijin.2022.04.001.

[36] Shah, D., & Haradi, V. (2016). IoT Based Biometrics Implementation on Raspberry Pi. Procedia Computer Science, 79, 328–336. https://doi.org/10.1016/j.procs.2016.03.043.