

DAFTAR PUSTAKA

- [1] A. Fauzan, P. Sukarno, and A. A. Wardana, "Overhead Analysis of the Use of Digital Signature in MQTT Protocol for Constrained Device in the Internet of Things System," 2020 3rd International Conference on Computer and Informatics Engineering (IC2IE), Sep. 2020, doi:10.1109/ic2ie50715.2020.9274651.
- [2] Prantl, T., Iffländer, L., Herrnleben, S., Engel, S., Kounev, S., & Krupitzer, C. (2021). Performance Impact Analysis of Securing MQTT Using TLS. Proceedings of the ACM/SPEC International Conference on Performance Engineering. doi:10.1145/3427921.3450253
- [3] Ayoub Bensakhria, "IoT - Communicating with devices: Introduction to MQTT and HTTP," ResearchGate, Sep. 12, 2020. https://www.researchgate.net/publication/344217719_IoT__Communicating_with_devces_Introduction_to_MQTT_and_HTTP (accessed Dec. 07, 2021).
- [4] R. Yesa, "Enkripsi Asimetris Pada Transfer Data Antar Perangkat IoT Menggunakan Protokol HTTP dan MQTT." [Online]. Available: <https://informatika.stei.itb.ac.id/~rinaldi.munir/Kriptografi/20182019/Makalah2-2019/Makalah2-Kripto-2019-01.pdf>.
- [5] D. Savitri, "Aplikasi Elliptic Curve Cryptography (ECC) untuk SmartCard," 2006. Accessed: Jan. 09, 2022. [Online]. Available: <https://informatika.stei.itb.ac.id/~rinaldi.munir/Kriptografi/20062007/Makalah2/Makalah-039.pdf>.
- [6] Borgia, D. G. Gomes, B. Lagesse, and D. Puccinelli, "Editorial Special Issue on Internet of Things: Research challenges and Solutions," ResearchGate, May 04, 2016. https://www.researchgate.net/publication/301893467_Editorial_Special_Issue_on_Internet_of_Things_Research_challenges_and_Solutions (accessed Feb. 07, 2022).

- [7] A. M. Hamid, “Implementasi Algoritme Trivium Untuk Mengamankan Data Pada Protokol MQTT Menggunakan Raspberry Pi - Brawijaya Knowledge Garden,” Ub.ac.id, Jul. 2018, doi: <http://repository.ub.ac.id/161985/1/Alan%20Maulana%20Hamid.pdf>.
- [8] “Implementasi Enkripsi Payload menggunakan Algoritme Grain 128 berbasis IoT Middleware | Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer,” Ub.ac.id, 2019. <https://j-ptiik.ub.ac.id/index.php/j-ptiik/article/view/6775> (accessed Feb. 19, 2022).
- [9] A. Y. SuryyaSurya“Enkripsi Asimetris Pada Transfer Data Antar Perangkat IoT Menggunakan Protokol HTTP dan MQTT - PDF Download Gratis,” Docplayer.info, 2020. <https://docplayer.info/153413361-Enkripsi-asimetris-pada-transfer-data-antar-perangkat-iot-menggunakan-protokol-http-dan-mqtt.html> (accessed Feb. 19, 2022).
- [10] Noprianto, V. N. Wijyaningrum,“End To End Enkripsi Menggunakan Advanced Encryption Standard Pada Perangkat Internet Of Things”,Agst 2021,Jurnal Sistem Informasi Dan Bisnis Cerdas (SIBC) Vol. 14, No. 2.
- [11] Hendro FJ Lami, Kalvein Rantelobo, Jani FM Mandala, and A. S. Sampeallo, “IMPLEMENTASI TEKNIK ENKRIPSI TRANSAKSI DATA PERANGKATIOT,” SAINSTEK, vol. 5, no. 1, pp. 74–82, 2021, Accessed: Feb. 19, 2022.
- [12] B. M. Susanto, E. S. J. Atmadji, and W. L. Brenkman, “IMPLEMENTASI MQTT PROTOCOL PADA SMART HOME SECURITY BERBASIS WEB,” *Jurnal Informatika Polinema*, vol. 4, no. 3, p. 201, May 2018, doi: 10.33795/jip.v4i3.207.

- [13] Muhammad Rafi'i and Jazi Eko Istiyanto, "Implementasi Algoritma ECDH dan AES untuk Pengamanan Pesan SMS pada Telepon Seluler," *BIMIPA*, vol. 24, no. 1, pp. 39–50, 2014, Accessed: May 07, 2022. [Online]. Available: <https://jurnal.ugm.ac.id/bimipa/article/view/13844>
- [14] Aditia Rahmat Tulloh, Yurika Permanasari, and E. Harahap, "Kriptografi Advanced Encryption Standard (AES) untuk Penyandian File Dokumen," *Prosiding Matematika*, vol. 0, no. 0, pp. 118–125, 2016, Accessed: May 07, 2022. [Online]. Available: <https://karyailmiah.unisba.ac.id/index.php/matematika/article/view/4580/pdf>
- [15] G. Y. Saputra, A. D. Afrizal, F. K. R. Mahfud, F. A. Pribadi, and F. J. Pamungkas, "Penerapan Protokol MQTT Pada Teknologi Wan (Studi Kasus Sistem Parkir Univeristas Brawijaya)," *Informatika Mulawarman: Jurnal Ilmiah Ilmu Komputer*, vol. 12, no. 2, p. 69, Aug. 2017, doi: 10.30872/jim.v12i2.653.
- [16] T. A. Kurniawan, "Pemodelan Use Case (UML): Evaluasi Terhadap beberapa Kesalahan dalam Praktik," *Jurnal Teknologi Informasi dan Ilmu Komputer*, vol. 5, no. 1, p. 77, Mar. 2018, doi: 10.25126/jtiik.201851610.
- [17] "View of Implementasi Diagram UML (Unified Modelling Language) dalam Perancangan Aplikasi Data Pasien Rawat Inap pada Puskesmas Lubuk Buaya," *Polgan.ac.id*, 2022. <https://jurnal.polgan.ac.id/index.php/sinkron/article/view/130/69> (accessed May 07, 2022).

[18] T. Bayu Kurniawan and Syarifuddin, “PERANCANGAN SISTEM APLIKASI PEMESANAN MAKANAN DAN MINUMAN PADA CAFETARIA NO CAFFE DI TANJUNG BALAI KARIMUN MENGGUNAKAN BAHASA PEMROGRAMAN PHP DAN MYSQL,” *JURNAL TIKAR*, vol. 1, no. 2, pp. 192–206, 2020, doi: 10.1234/teknik_informatika.v1i2.153.

[19] RACHMAT FAJRIN, “Pengembangan Sistem Informasi Geografis Berbasis Node.JS untuk Pemetaan Mesin dan Tracking Engineer dengan...,” *ResearchGate*, Sep.26,2017.https://www.researchgate.net/publication/321714333_Pengembangan_Sistem_Informasi_Geografis_Berbasis_NodeJS_untuk_Pemetaan_Mesin_dan_Tracking_Engineer_dengan_Pemanfaatan_Geolocation_pada_PT_IBM_Indonesia (accessed May 07, 2022).

[20] Arvy Arizano,Ahmad Fajar “Penggunaan Raspberry Pi sebagai alternatif Microcontroller pada Robot Sederhana”,*Rekayasa Teknologi* Vol. 6, No. 2,2013

[21] “Apa Itu Arduino Uno Jurusan Elektro Terbaik di SUMUT,” *Jurusan Elektro Terbaik di SUMUT*, Nov. 30, 2020. <https://elektro.uma.ac.id/2020/11/30/apa-itu-arduino-uno/> (accessed May 10, 2022).

[22] “Vol 14 No 2 (2019): Jurnal Isu Teknologi | Jurnal Online Sekolah Tinggi Teknologi Mandala,” *Sttmandalabdg.ac.id*, 2019. <https://www.ejournal.sttmandalabdg.ac.id/index.php/JIT/issue/view/14> (accessed May 29, 2022).

[23] Panduardi, F., & Haq, E. S. (2016). “Wireless Smart Home System Menggunakan Raspberry Pi.” *Jurnal Teknologi Informasi Dan Terapan*, 3(1), 320–325.

[24] Vorachet Jaroensawas, “Extending the McCumber Cube to Model Software System Maintenance Tasks,” *ResearchGate*, Feb. 27, 2013. [‘https://www.researchgate.net/publication/324068738_Extending_the_McCumber_Cube_to_Model_Software_System_Maintenance_Tasks](https://www.researchgate.net/publication/324068738_Extending_the_McCumber_Cube_to_Model_Software_System_Maintenance_Tasks) (accessed May 29, 2022).

[25] W. Victor Maconachy, C. D. Schou, D. Ragsdale, and D. Welch, “A Model for Information Assurance: An Integrated Approach,” *ResearchGate*, 2001. https://www.researchgate.net/publication/235470635_A_Model_for_Information_AssuranceAn_Integrated_Approach/download (accessed May 29, 2022).

[26] H. Wong and T. T. Luo, “Man-in-the-Middle Attacks on MQTT-based IoT Using BERT Based Adversarial Message Generation,” *ResearchGate*, Aug. 2020. https://www.researchgate.net/publication/345890033_Man-in-the-Middle_Attacks_on_MQTT_based_IoT_Using_BERT_Based_Adversarial_Message_Generation (accessed Aug. 29, 2022).

[27] S. Suguna, V. Dhanakoti, and R. Manjupriya, “A STUDY ON SYMMETRIC AND ASYMMETRIC KEY ENCRYPTION ALGORITHMS.” [Online]. Available: <https://www.irjet.net/archives/V3/i4/IRJET-V3I407.pdf>

[28] I. Bhargavi, D. Veeraiah, and T. Maruthi Padmaja, “Securing BIG DATA: A Comparative Study Across RSA, AES, DES, EC and ECDH,” *Lecture Notes in Networks and Systems*, pp. 355–362, 2017, doi: 10.1007/978-981-10-3226-4_36.

[29]Y. Kurniawan, "PERBANDINGAN ANALISIS SANDI LINEAR TERHADAP AES, DES, DAN AE1," *ResearchGate*, Jul. 2007. https://www.researchgate.net/publication/287543653_PERBANDINGAN_ANALISIS_SANDI_LINEAR_TERHADAP_AES_DES_DAN_AE1?_sg=Blhy2ljmJX XIZlg79NF0yjThsZ2N8p9rhQeDYk9fBWxNNb1m3CKHvgsh3E1OBUOGh4cfeEzaZXQMK84 (accessed Jul. 10, 2022).

[30]R. K. Kodali and A. Naikoti, "ECDH based security model for IoT using ESP8266," *2016 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT)*, Dec. 2016, doi: 10.1109/iccicct.2016.7988026.

[31]C. Varma, "A Study of the ECC, RSA and the Diffie-Hellman Algorithms in Network Security," *2018 International Conference on Current Trends towards Converging Technologies (ICCTCT)*, Mar. 2018, doi: 10.1109/icctct.2018.8551161.