

DAFTAR PUSAKA

- [1] Energy efficiency in smart buildings: IoT approaches | IEEE journals ..., <https://ieeexplore.ieee.org/document/9050775/> (accessed Aug. 16, 2023).
- [2] Bangunan Pintar Dan Penerapannya di indonesia smart buildings and its ..., https://www.researchgate.net/publication/370526459_Bangunan_Pintar_dan_Penerapannya_di_Indonesia_Smart_Buildings_and_Its_Application_in_Indonesia (accessed Aug. 16, 2023).
- [3] H. Chen, P. Chou, S. Duri, H. Lei, and J. Reason, “The design and implementation of a smart building control system,” 2009 IEEE International Conference on e-Business Engineering, 2009. doi:10.1109/icebe.2009.42
- [4] Ruoxi Jia and Baihong Jin Design Automation for Smart Building Systems . <https://ieeexplore.ieee.org/abstract/document/8466990/keywords> (Accessed: 19 July 2023).
- [5] BACnet provides an ideal Smart Building Backbone (2021). <https://www.ledsmagazine.com/connected-ssl-controls/article/14209985/bacnetprovides-an-ideal-smart-building-backbone-magazine> (Accessed: 19 July 2023).
- [6] G. Vieira, J. Barbosa, P. Leitao, and L. Sakurada, “Low-cost industrial controller based on the Raspberry Pi Platform,” 2020 IEEE International Conference on Industrial Technology (ICIT), 2020. doi:10.1109/icit45562.2020.9067148
- [7] Amrullah, A., Al Rasyid, M.U. and Winarno, I. (2022) ‘Implementasi Dan Analisis Protokol komunikasi IOT untuk Crowdsensing Pada Bidang kesehatan’, INOVTEK Polbeng - Seri Informatika, 7(1), p. 122. doi:10.35314/isi.v7i1.2365.
- [8] B. Mishra and A. Kertesz, “The use of MQTT in M2M and IOT Systems: A survey,” IEEE Access, vol. 8, pp. 201071–201086, 2020. doi:10.1109/access.2020.3035849 80
- [9] J. MSV, “Get to know MQTT: The messaging protocol for the internet of things,” The New Stack, <https://thenewstack.io/mqtt-protocol-iot/> (accessed Aug. 16, 2023).

- [10] T. Yokotani and Y. Sasaki, “Comparison with HTTP and MQTT on required network resources for IOT,” 2016 International Conference on Control, Electronics, Renewable Energy and Communications (ICCEREC), 2016. doi:10.1109/iccerec.2016.7814989
- [11] J. E. Luzuriaga et al., “A comparative evaluation of AMQP and MQTT protocols over unstable and mobile networks,” 2015 12th Annual IEEE Consumer Communications and Networking Conference (CCNC), 2015. doi:10.1109/ccnc.2015.7158101
- [12] B. Kaushik, V. Malik, and V. Saroha, “A review paper on data encryption and decryption,” International Journal for Research in Applied Science and Engineering Technology, vol. 11, no. 4, pp. 1986–1992, 2023. doi:10.22214/ijraset.2023.50101
- [13] H. D. Utami, R. Arifudin, and A. Alamsyah, “Security login system on mobile application with implementation of advanced encryption standard (AES) using 3 keys variation 128-bit, 192-bit, and 256-bit,” Scientific Journal of Informatics, vol. 6, no. 1, pp. 34–44, 2019. doi:10.15294/sji.v6i1.17589
- [14] M. S. de Alencar, “Network security,” Cryptography and Network Security, pp. 159–187, 2022. doi:10.1201/9781003337768-9
- [15] G. G. Putri, W. Setyorini, and R. D. Rahayani, “Analisis Kriptografi simetris aes Dan Kriptografi ASIMETRIS RSA pada Enkripsi Citra Digital,” ETHOS (Jurnal Penelitian dan Pengabdian), vol. 6, no. 2, pp. 197–207, 2018. doi:10.29313/ethos.v6i2.2909 81
- [16] M. J. Dworkin, Recommendation for block cipher modes of operation :, 2001. doi:10.6028/nist.sp.800-38a
- [17] S. Mister and R. Zuccherato, “An attack on CFB mode encryption as used by openpgp,” Selected Areas in Cryptography, pp. 82–94, 2006. doi:10.1007/11693383_6
- [18] Y. Winawang, “Implementasi Keamanan Jalur internet menggunakan IP tunneling pada openvpn access server dengan protokol OpenVPN Dan Protokol DNS over HTTPS,” Jurnal Health Sains, vol. 2, no. 4, pp. 712–730, 2021. doi:10.46799/jsa.v2i4.207

- [19] ITU-T G.1010, “Series G: Transmission Systems And Media, Digital Systems And Networks Quality of service and performance,” 2001.
- [20] T. Turahyo and L. Tombilayuk, “Sistem Kendali Suhu-Kelembaban Pada Ruangan Budidaya Jamur Berbasis Mikrokontroller,” Jurnal Nasional Komputasi dan Teknologi Informasi (JNKTI), vol. 5, no. 3, pp. 583–591, 2022. doi:10.32672/jnkti.v5i3.4480
- [21] A. Y. Rangan, Amelia Yusnita, and Muhammad Awaludin, “Sistem Monitoring Berbasis Internet of Things Pada Suhu Dan Kelembaban Udara di Laboratorium Kimia XYZ,” Jurnal E-Komtek (Elektro-Komputer-Teknik), vol. 4, no. 2, pp. 168–183, 2020. doi:10.37339/e-komtek.v4i2.404
- [22] Raspberry Pi, Raspberry Pi, <https://www.raspberrypi.com/>
- [23] S. Rokhmanila, “Sistem Monitoring Keamanan Ruangan menggunakan raspberry pi berbasis aplikasi Android telegram,” EPIC Journal of Electrical Power Instrumentation and Control, vol. 3, no. 2, p. 166, 2021. doi:10.32493/epic.v3i2.7910
- [24] “Raspberry pi hardware,” Exploring Raspberry Pi, pp. 1–21, 2016. doi:10.1002/9781119211051.ch1 82
- [25] D.-A. ANDRIOAIA, G. CULEA, and P.-G. PUIU, “Environmental temperature and humidity monitoring system using Raspberry Pi 4 and THINGSPEACK,” Journal of Engineering Studies and Research, vol. 27, no. 3, pp. 20–23, 2022. doi:10.29081/jesr.v27i3.283
- [26] C. Shalini and I. V. Mr Prakash, “IOT based industrial sensor monitoring and alerting system using Raspberry Pi,” IOP Conference Series: Materials Science and Engineering, vol. 981, no. 4, p. 042010, 2020. doi:10.1088/1757-899x/981/4/042010
- [27] T. Hansemann and C. Hübner, “BACnet,” Gebäudeautomation, pp. 215–303, 2021. doi:10.3139/9783446463578.005
- [28] H. F. Lami, K. R. Rantelobo, J. F. Mandala, and A. S. Sampeallo, “Integrasi Protokol Mqtt Dan HTTP Untuk Otomasi Berbasis IOT Pada Pertanian Lahan Kering,” Jurnal Media Elektro, pp. 53–59, 2020. doi:10.35508/jme.v0i0.3008

[29] F. Schubert, “BACnet: Communication protocol for building automation and control networks,” Industrial Communication Technology Handbook, 2017. doi:10.1201/b17365-59

[30] M. Nast, B. Butzin, F. Golatowski, and D. Timmermann, “Performance analysis of a secured BACnet/IP network,” 2019 15th IEEE International Workshop on Factory Communication Systems (WFCS), 2019. doi:10.1109/wfcs.2019.8758009

[31] V. Boed, “A data communication protocol for building automation and Control Networks: BACnet,” Networking and Integration of Facilities Automation Systems, pp. 145–190, 1999. doi:10.1201/9781420050523-12