

DAFTAR PUSTAKA

- Abu Bakar, R., & Kijisirikul, B. (2023). Enhancing Network Visibility and Security with Advanced Port Scanning Techniques. *Sensors*, 23(17), 1–27. <https://doi.org/10.3390/s23177541>
- Aijen, L. T., & Dewi Indahsari, R. (2023). Pemanfaatan Ansible dalam Sistem Otomatisasi Dan Monitoring Jaringan Komputer. *JISKOMSIA Jurnal Sistem Komputer Asia*, 1(1).
- Amanda Indira Azmi, Z., & Dahliyusmanto. (2024). Implementation of a Network Security System Using the Port Knocking Method at Taruna Satria Vocational School Pekanbaru. 9(2), 904–915.
- Arbi Murad, F., Kurniawan, A., & Yusuf Bagus Rasyiidin, M. (2025). Port Knocking pada MikroTik untuk Meningkatkan Keamanan WiFi di Era Industri 4.0. *Jurnal Review Pendidikan Dan Pengajaran*, 2115–2122.
- Bellamkonda, S. (2023). Automating Network Security with Ansible: A Guide to Secure Network Automation. *International Journal Of Multidisciplinary Research In Science, Engineering and Technology*, 06(09). <https://doi.org/10.15680/IJMRSET.2023.0609021>
- Bou-Harb, E., Debbabi, M., & Assi, C. (2014). Cyber scanning: A comprehensive survey. *IEEE Communications Surveys and Tutorials*, 16(3), 1496–1519. <https://doi.org/10.1109/SURV.2013.102913.00020>
- Bringhenti, D., Pizzato, F., Sisto, R., & Valenza, F. (2024, January 1). Autonomous Attack Mitigation Through Firewall Reconfiguration. *International Journal of Network Management*. <https://doi.org/10.1002/nem.2307>
- Dwi Putra, A., & Thorriq Ridho Bey Alghozy, M. (2022). Analisis dan Implementasi Keamanan Jaringan File Transfer Protocol (FTP) Menggunakan Intrusion Prevention System (IPS) pada Mikrotik. *Smart Comp: Jurnalnya Orang Pintar Komputer*, 762–775.
- Dwipayoga, D. M. W., Saskara, G. A. J., & Sunarya, I. M. G. (2025). Pengembangan Website Network Automation untuk Manajemen Bandwidth MikroTik dengan Metode Hierarchical Token Bucket (HTB) di SMPN 8 Singaraja. *Kumpulan Artikel Mahasiswa Pendidikan Teknik Informatika (KARMAPATI)*, 14(2), 236–248.
- Elradi, M. D. (2023). Ansible: A Reliable Tool for Automation. *Electr. Comput. Eng. Stud.* <https://www.sandermanpub.net/uploads/20230801/1bed84d124606aaf9539846a92290c1d.pdf>
- Fahmi, M., Maisyarah, M., Ishak, K., Faizah, S., & Fadhillah, I. (2021). Otomatisasi Jaringan Menggunakan Script Python Untuk Penyediaan Konfigurasi Internet Dan Manajemen Mikrotik. *Bina Insani ICT Journal*, 8(1), 53–62.

- Fauzi, A., Firmansyah., & Alfian Armawan Sandi, T. (2024a). Perancangan Keamanan Router Mikrotik Dari Serangan FTP Dan SSH Brute Force. *Jurnal*, 6(1). <http://ejournal.bsi.ac.id/ejurnal/index.php/infortech9>
- Fauzi, A., Firmansyah., & Alfian Armawan Sandi, T. (2024b). Perancangan Keamanan Router Mikrotik Dari Serangan FTP Dan SSH Brute Force. *Jurnal Infortech*, 6(1), 9–14. <http://ejournal.bsi.ac.id/ejurnal/index.php/infortech9>
- Fitrian, H. P., Dani, F., Fadilah, I., Fauzan, R. D., & Ardhyansyah, M. R. (2025). Implementasi MikroTik Firewall sebagai Solusi Filtering Situs Judi Online dalam Jaringan. *Jurnal Mahasiswa Teknik Informatika*, 9(1).
- Greator, H., Mastella, M., Richter, O., Cotteret, M., Girão, W. S., Janotte, E., & Chicca, E. (2025). A scalable event-driven spatiotemporal feature extraction circuit. <http://arxiv.org/abs/2501.10155>
- Islami, M. F., Musa, P., & Lamsani, M. (2020). Implementation of Network Automation Using Ansible to Configure Routing Protocol in Cisco and Mikrotik Router with Raspberry PI. *Jurnal Ilmiah KOMPUTASI*, 127–134. <https://doi.org/10.32409/jikstik.19.2.2766>
- Jeanquier, S. (2006). An Analysis of Port Knocking and Single Packet Authorization.
- Kamel Zidan, A., Amin, K., & Fathy Ghanem, T. (2021). Enhanced User Authentication Based on Dynamic Port Knocking Technique. 115–124.
- Kaur, K. (2024). Network Security: Goals, Emerging Trends and Future Perspectives.
- Listartha, I. M. E., & Saskara, G. A. J. (2024). Security Testing with Penetration Testing Execution Standard (PTES) Methods to Find Misconfigurations Vulnerabilities in Network Devices. *Jurnal Elektro Luceat (JELC)*, 10(2).
- Loureiro, S. (2021). Security misconfigurations and how to prevent them. *Netw. Secur.*, 2021, 13–16. [https://doi.org/10.1016/S1353-4858\(21\)00053-2](https://doi.org/10.1016/S1353-4858(21)00053-2)
- Malviya, R. K., Mandala, V., Lekkala, S., & Reddy, M. S. (2025). Event-Driven Integration in Multi-Cloud and Hybrid Architectures: Ensuring Data Consistency and Performance. *Social Science Research Network*. <https://doi.org/10.2139/ssrn.5080809>
- Mauboy, L. G., & Wellem, T. (2022). Studi Perbandingan Library Untuk Implementasi Network Automation Menggunakan Paramiko Dan Netmiko Pada Router Mikrotik. *JURIKOM (Jurnal Riset Komputer)*, 790–799.
- Menteng, C., Setyanto, A., & Al Fatta, H. (2023). Model Deteksi Serangan SSH-Brute Force Berdasarkan Deep Belief Network. *Jurnal Teknologi Informasi: Jurnal Keilmuan Dan Aplikasi Bidang Teknik Informatika*, 17(2), 101–110. <https://doi.org/10.47111/JTI>
- Miracle, N. O. (2024). The Importance of Network Security in Protecting Sensitive Data and Information. *International Journal of Research and Innovation in*

Applied Science, IX(VI), 259–270.
<https://doi.org/10.51584/ijrias.2024.906024>

- Muhammad Wildan Putra Pratama, N., Fatchurrohman, & Budi Susanto, I. (2024a). Optimalisasi Jaringan Internet dengan Menggunakan Simple Queue dan Firewall MikroTik di Sekolah Menengah Pertama Negeri Kota Malang. *Jurnal Mahasiswa Teknik Informatika*, 8(6).
- Muhammad Wildan Putra Pratama, N., Fatchurrohman, & Budi Susanto, I. (2024b). Optimalisasi Jaringan Internet dengan Menggunakan Simple Queue dan Firewall MikroTik di Sekolah Menengah Pertama Negeri Kota Malang. *Jurnal Mahasiswa Teknik Informatika*, 8(6), 12828–12835.
- Nur, M., Teguh, Waskito, W., Fathoni, A., Bagas, Yuda, Galih, R., Ainnun, A., Qoyum, & Samsoni. (2023). The Effectiveness of the Port Knocking Method in Computer Security. *International Journal of Integrative Sciences*, 2(6), 873–880. <https://doi.org/10.55927/ijis.v2i6.4526>
- Pradnyana, I. W. Y., Aryanto, K. Y. E., & Gunadi, I. G. A. (2024). Desain Data Center Perbankan dengan Metode Network Development Life Cycle (NDLC) (Studi Kasus PT. BPR XYZ). *Jurnal Pendidikan Teknologi dan Kejuruan*, 21(1).
- Prasetyo, P., Djumhadi, & Nur Alimyaningtias, W. (2024). Analisis Perbandingan Metode PTES dan ISSAF sebagai Uji Keamanan Router di Zurich Hotel Balikpapan. *Journal Forensic Business Information Systems*, 8–13.
- Putra, D. M. J., Anantra, I. N. N. Y., Kusuma, P. A., Pratama, P. D. J., Saskara, G. A. J., & Listartha, I. M. E. (2022). Analisis Perbandingan Serangan Hydra, Medusa dan Ncrack pada Password Attack. *JINTEKS (Jurnal Informatika Teknologi dan Sains)*, 4(4), 461–466.
- Putri Ayu Agita, I., & Soim, S. (2023). Implementasi Port Knocking, Port Blocking Pada Keamanan Jaringan Komputer Berbasis Mikrotik. *JURNAL RESISTOR*, 125–130. <https://s.id/jurnalresistor>
- Santyadiputra, G. S., Listartha, I. M. E., & Saskara, G. A. J. (2021). The effectiveness of Automatic Network Administration (ANA) in network automation simulation at Universitas Pendidikan Ganesha. *Journal of Physics: Conference Series*, 1810(1), 012028. <https://doi.org/10.1088/1742-6596/1810/1/012028>
- Saskara, G. A. J., Indrawan, I. P. O., & Putra, P. M. (2019). Keamanan Jaringan Komputer Nirkabel dengan Captive Portal dan WPA/WPA2 di Politeknik Ganesha Guru. *Jurnal Pendidikan Teknologi dan Kejuruan*, 16(2), 236–247.
- Shen, Q., & Shen, Y. (2024). Endpoint security reinforcement via integrated zero-trust systems: A collaborative approach. *Computers & Security*, 136, 103537. <https://doi.org/10.1016/j.cose.2023.103537>
- Singh Chauhan, J. (2025). Automated Security Configuration Management for Enterprise Networking Products. *International Journal of Scientific Research*

- in Computer Science, Engineering and Information Technology, 11(1), 2881–2888. <https://doi.org/10.32628/CSEIT251112296>
- Siswanto, D., Priyandoko, G., Tjahjono, N., Putri, R. S., Sabela, N. B., & Muzakki, M. I. (2021). Development of Information and Communication Technology Infrastructure in School using an Approach of the Network Development Life Cycle Method. *Journal of Physics: Conference Series*, 1908(1). <https://doi.org/10.1088/1742-6596/1908/1/012026>
- Tego, E., Attanasio, V., & Matera, F. (2022). GNS-3 Emulation Platform to Study Wide Area Network Performance in Contexts Close to Reality. 2022 AEIT International Annual Conference (AEIT), 1–6. <https://doi.org/10.23919/AEIT56783.2022.9951844>
- Wicahyanto, A. (2024). Rancang Bangun Firewall Router Mikrotik Berbasis Data Plugin Wordfence. *Jurnal Sistem Dan Teknologi Informasi (JustIN)*, 12(3), 559. <https://doi.org/10.26418/justin.v12i3.80045>
- Yalestia Chandrawaty, N. M. A., & Hariyadi, I. P. (2021). Implementasi Ansible Playbook Untuk Mengotomatisasi Manajemen Konfigurasi VLAN Berbasis VTP Dan Layanan DHCP. *Jurnal Bumigora Information Technology (BITe)*, 3(2), 107–122. <https://doi.org/10.30812/bite.v3i2.1577>
- Yogantara, K. M., Saskara, G. A. J., & Pascima, I. B. N. (2025). Pengembangan Sistem Network Automation Berbasis Django dan GenieACS pada Layanan RT/RW Net. *Jurnal Pendidikan Sains dan Komputer*, 5(2), 282–291. <https://doi.org/10.47709/jpsk.v5i02.7056>
- Zulfikar, A., & Akbar, Y. (2024). Otomasi Backup Konfigurasi Settingan Router Mikrotik Menggunakan Ansible dengan Metode Network DevOps. *MALCOM: Indonesian Journal of Machine Learning and Computer Science*, 5(1), 57–66. <https://doi.org/10.57152/malcom.v5i1.1591>