

## DAFTAR PUSTAKA

- Akbi, D. R., Saifuddin & Efendi, G., 2017. Redudancy Email Server dengan Cluster Load Balancing untuk Mekanisme Disaster Recovery pada Studi Kasus PT. Jawa Pos Koran. Seminar Nasional Teknologi dan Rekayasa (SENTRA), pp. 1-9.
- Al Fatta, H. & Marco, R., 2015. ANALISIS PENGEMBANGAN DAN PERANCANGAN SISTEM INFORMASI AKADEMIK SMART BERBASIS CLOUD COMPUTING PADA SEKOLAH MENENGAH UMUM NEGERI (SMUN) DI DAERAH ISTIMEWA YOGYAKARTA. Jurnal Telematika, 8(2), pp. 63-91.
- Anggito, A. & Setiawan, J., 2018. Karakteristik Penelitian Kualitatif. Dalam: E. D. Lestari, penyunt. Metodologi Penelitian Kualitatif. Sukabumi: CV. Jejak, pp. 9-13.
- Anon., 2015. Memahami Pentingnya Load Balancing. [Online] Available at: <https://idcloudhost.com/memahami-pentingnya-load-balancing/> [Diakses 22 October 2020].
- Anon., 2017. IdCloudHouse. [Online] Available at: <https://idcloudhost.com/mengenal-apa-itu-progressive-web-app-pwa/> [Diakses 22 Agustus 2020].
- Anon., 2019. OASIS: MQTT version 5.0. [Online] Available at: <https://docs.oasis-open.org/mqtt/mqtt/v5.0/mqtt-v5.0.html> [Diakses 10 September 2021].
- Anon., t.thn. The History of The Web. [Online] Available at: [http://www.w3.org/community/webed/wiki/The\\_history\\_of\\_the\\_Web](http://www.w3.org/community/webed/wiki/The_history_of_the_Web) [Diakses 19 Agustus 2020].
- Ariata, 2019. [Online] Available at: <https://www.hostinger.co.id/tutorial/apa-itu-nginx/> [Diakses 20 Januari 2021].
- Artono, B. & Putra, R. G., 2017. Penerapan Internet Of Things (IoT) Untuk Kontrol Lampu Menggunakan Arduino Berbasis Web. Jurnal Teknologi Informatika dan Terapan, 05(01), pp. 9-16.

- Ashton, K., 2010. The 'Internet of Things' Thing. RFID Journal, p. 1.
- Boyke, D., 2016. Lebih Jauh Tentang Load Balancer (L3/4 dan L7). [Online] Available at: <https://indosystem.com/blog/lebih-jauh-tentang-load-balancer/> [Diakses 26 Agustus 2021].
- Byung-Keun, K., 2005. The Invention of Packet Switching Technologies. Dalam: Internationalising the Internet the Co-evolution of Influence and Technology. s.l.:Edward Edgar Publishing, Inc, pp. 51-55.
- Chanthakit, S. & Rattanapoka, C., 2018. MQTT Based Air Quality Monitoring System using NodeMCU and Node-RED. Seventh ICT International Student Project Conference (ICT-ISPC).
- Charlie, K., Primananda, R. & Data, M., 2018. Analisis Performa Load Balancing pada Broker MQTT Menggunakan Algoritma Round Robin. Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer, II(9), pp. 2902-2908.
- Desikan, S. & Ramesh, G., 2008. Software Testing : Principles and Practices. India: Dorling Kindersley (India) Pvt. Ltd..
- Habibi, M. W., Bhawiyuga, A. & Basuki, A., 2018. Rancang Bangun IOT Cloud Platform Berbasis Protokol Komunikasi MQTT. Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer, pp. 479-485.
- Hunkeler, U., Truong, H. L. & Stanford-Clark, A., 2008. MQTT-S – A Publish/Subscribe Protocol For Wireless Sensor Networks. Bangalore, India, IEEE, pp. 791-798.
- Janto, C., 2020. Apa itu Docker dan Mengapa Docker Sangat Populer?. [Online] Available at: <https://www.exabytes.co.id/blog/apa-itu-docker-dan-mengapa-docker-sangat-populer/> [Diakses 20 Januari 2021].
- Juliarto, R., 2021. Dicoding. [Online] Available at: <https://www.dicoding.com/blog/apa-itu-web-server-dan-fungsinya/> [Diakses 26 Agustus 2021].

- Kumar, M., 2016. Cloud IoT: A Combination of Cloud Computing and Internet of Things. International Journal of Emerging Trends in Engineering and Development, pp. 344-349.
- Mishra, B. & Mishra, B., 2020. Evaluating and Analyzing MQTT Brokers with Stress-testing.
- Moniuzzaman, Waliullah & Rahman, S., 2014. High Availability Clusters Model Combined with Load Balancing and Shared Storage Technologies for Web Servers. International Journal of Scientific & Engineering Research, 5(12).
- MQTT, t.thn. Frequently Asked Questions. [Online] Available at: <http://mqtt.org/faq> [Diakses 26 Desember 2019].
- Naik, N., 2017. Choice of effective messaging protocols for IoT systems: MQTT, CoAP, AMQP and HTTP. IEEE International Systems Engineering Symposium, pp. 1-7.
- Nugroho, A. & Mustofa, K., 2012. IMPLEMENTASI KOMPUTASI AWAN MENGGUNAKAN TEKNOLOGI GOOGLE APP ENGINE (GAE) DAN AMAZON WEB SERVICES (AWS). JURNAL INFORMATIKA, VI(1), pp. 576-588.
- Pratama, P., 2018. IMPLEMENTASI HIGH AVAILABILITY DAN LOAD BALANCING PADA REMOTE DESKTOP GATEWAY DI PT. MITRA AKSES GLOBALINDO MENGGUNAKAN PFSENSE. <http://doi.org/10.5281/zenodo>.
- Pribadi, Y., Bijaksana PN, A. & Irwansyah, M. A., 2020. Analysis of the Use of the Failover Clustering Method to Achieve High Availability on Web Server (Case Study: Informatics Department Building). JUSTIN, VIII(2), pp. 218-229.
- Qamal, M., Hamdhana, D. & Pratomo, R., 2019. Website Media Pembelajaran Online Amazon Web Services. TECHSI, XI(2), pp. 319-327.
- Ramadhan, H. K. & Wardhana, S., 2021. Optimalisasi Jaringan Komputer Menggunakan Algoritma Load Balancing di Virtual Server Citrix ADC. Seminar Nasional Pengaplikasian Telematika (SINAPTIKA), I(1), pp. 135-148.
- Rijayana, I., 2005. Teknologi Load Balancing Untuk Mengatasi Beban Server. pp. 35-39.

- Rina & Sanjay, T., 2013. Comparative study of performance testing tools. *International Journal of Advanced Research in Computer Science and Software Engineering*.
- Rosalia, M., Mudai, R. & R, M., 2016. LOAD BALANCING DAN FAILOVER PADA VIRTUAL WEB SERVER CLUSTER IMPLEMENTATION OF HIGH AVAILABILITY SERVER USING LOAD BALANCING. *Processing of Engineering*, 3(3).
- Sarojadevi, H., 2011. Performance Testing: Methodologies and Tools. *Journal of Information Engineering and Applications*, I(5), pp. 5-12.
- Sepriano, Suryani, V. & Jaded, E. M., 2021. Analisis Performasi Metode Load Balancing pada Broker Protokol MQTT Menggunakan Algoritma Least Connection. *e-Proceeding of Engineering*, VIII(2), pp. 2936-2951.
- Shahzadi, S., Iqbal, M., Qayyum, Z. U. & Dagiuklas, T., 2017. Infrastructure as a Service (IaaS): A Comparative Performance Analysis of Open-Source Cloud Platforms. Lund, Sweden, s.n., pp. 1-6.
- Simpson & Us, 2019. United States Patent, 2(12), p. 12.
- Sulaiman, O. K. & Widarma, A., 2017. SISTEM INTERNET OF THINGS (IOT) BERBASIS CLOUD COMPUTING DALAM CAMPUS AREA NETWORK. *UISU-Medan*, s.n., pp. 9-12.
- Supramana & Prisma, 2016. Implementasi Load Balancing Pada Web Server Dengan Menggunakan Apache. Volume 5, pp. 117-125.
- Syahroni & Hadidjaja, D., 2014. MENDETEKSI KESADAHAN AIR ISI ULANG DENGAN MIKROKONTROLLER. *DINAMIKA INFORMATIKA*, VI(2), pp. 126-130.
- Totty, B. et al., 2009. *HTTP: The Definitive Guide*. California: O'Reilly & Associates.
- Xia, F., Yang, L. T., Wang, L. & Vinel, A., 2012. Internet of Things. *International Journal Of Communication Systems*, pp. 1101-1102.

Yasin, 2018. Niagahoster. [Online]  
Available at: <https://www.niagahoster.co.id/blog/apa-itu-vps/>  
[Diakses 19 Januari 2021].

Yasin, 2018. Niagahoster Blog. [Online]  
Available at: <https://www.niagahoster.co.id/blog/protokol-komunikasi/>  
[Diakses 17 Agustus 2020].