

DAFTAR PUSTAKA

- [1] Yudhianto, 132 Juta Pengguna Internet Indonesia, 40% Penggila Medsos [Online]. Available : <https://inet.detik.com/cyberlife/d-3659956/132-juta-pengguna-internet-indonesia-40-penggila-medsos>. [Diakses 20 Desember].
- [2] <https://www.hubspot.com/hs-fs/hub/53/file-13206174-pdf/docs/marketingcharts-social-media-data-stacks-pdf.pdf>
- [3] [D. DeWitt and I. Gray. Parallel database systems: the future of high performance database systems. Commun. ACM, vol. 35, no. 6, pp. 85-98, Jun. 1992.](#)
- [4] [Peter Mell, Tim Grance. "The NIST Definition of Cloud Computing". National Institute of Science and Technology. Retrieved 24 July 2011.](#)
- [5] https://docs.oracle.com/cd/E17276_01/html/programmer_reference/transapp_throughput.html
- [6] [MongoDB document available at: http://info.mongodb.com/rs/mongodb/images/MongoDB_Architecture_Guide.pdf](#)
- [7] [Kristina Chodorow, Michael Dirolf. "MongoDB: The Definitive Guide". O'Reilly Media, September 2010. p135.](#)
- [8] [Xiaolin Wang, Haopeng Chen, Zhenhua Wang. Research on Improvement of Dynamic Load Balancing in MongoDB. IEEE 11th International Conference on Dependable, Autonomic and Secure Computing. DOI 10.1109/DASC.2013.49. 978-1-4799-3381-5/13. 2013.](#)
- [9] [F. Barse and P. Meastrini, "Error correction properties of redundant residue number systems", IEEE Transactions on Computers, Volume 22, No. 3, March 1973, pp 307-315](#)

- [10] [D. Mandelbaum, "Error correction in residue arithmetic", IEEE Transactions on Computers, Volume 21, No. 6, June 1972, pp 538-545.](#)
- [11] [L. Yang and L. Hano, "Redundant Residue Number System Based Error Correction Codes", IEE Electronics Letters, Volume 37, No. 4, April 2001, pp 247-248.](#)
- [12] [Alimuddin, dan Ashari, A., 2011, "Peningkatan Kinerja SIAKAD Menggunakan Metode Load balancing dan Fault Tolerance Di Jaringan Kampus Universitas Halu Oleo," Jurnal IJCCS, Vol.10 No.1.](#)
- [13] [J. Gantz and D. Reinsel, " The digital universe in 2020: Big data, bigger digital shadows, and biggest growth in the far east," IC iView: IC Analyze the Future, vol. 2007, pp. 1-16, 2012.](#)
- [14] [P Groves, B. Kay y ali, D. Knott, and S. Van Kuiken, " The 'big data'revolution in healthcare," McKinsey Quarterly. Center for US Health System Reform; Business Technology Office. 2013.](#)
- [15] [W.G. Aref, A.C. Catlin, A.K. Elmagarmid at all. A Distributed Database Server for Continuous Media. Department of Computer Sciences, Purdue University. West Lafayette IN 47907-1398. Proceedings of the 18th International Conference on Data Engineering \(ICDE'02\). 1063-6382/02. 2002](#)
- [16] [Pakorn Kookarinrat, Yaowadee Temtanapat. Analysis of Range-Based Key Properties for Sharded Cluster of MongoDB. 978-1-4673-8611-1/15/IEEE. 2015. 2nd International Conference on Information Science and Security \(ICISS\)](#)
- [17] [Xiao Mo, Hao Wang. Asynchronous Index Strategy For High Performance Real-Time Big Data Stream Storage. Proceedings of IC-NIDC 978-1-4673-2204-1/12/IEEE. 2012.](#)
- [18] [Tadeusz Pankowski. Consistency and Availability of Data in Replicated](#)

- [NoSQL Databases. Institute of Control and Information Engineering, Poznan University of Technology, Poznan, Poland/IEEE. 2015 International Conference on Evaluation of Novel Approaches to Software Engineering \(ENASE\). 2015.](#)
- [19] [Makoto Misaki, Tomio Tsuda, Shinji Inoue, Shintaro Sato, Akihiro Kayahara, and Shin-Ichi Imai. Distributed Database and Application Architecture for Big Data Solutions. IEEE TRANSACTIONS ON SEMICONDUCTOR MANUFACTURING, VOL. 30, NO. 4/0894-6507/IEEE. 2017.](#)
- [20] [D. Borthakur, I. Gray, I. S. Sarma, K. Muthukkaruppan, N. Spiegelberg, H. Kuang, K. Ranganathan, D. Molkov, A. Menon, S. Rash, R. Schmidt, and A. Aiyer. Apache hadoop goes realtime at facebook. Proceedings of the 2011 international conference on Management of data, ser. SIGMOD '11. New York, NY, USA: ACM, 2011, pp. 1071-1080.](#)
- [21] L. T. Mikael Ronstrom. Mysql cluster architecture overview - high availability features of mysql cluster. MySQL AB, April 2004.
- [22] Terry, D. B., Prabhakaran, V., Kotla, R., Balakrishnan, M., and et al. (2013). Consistency-based service level agreements for cloud storage. In ACM SIGOPS, SOSP'13, pages 309–324.
- [23] Abadi, D. (2012). Consistency tradeoffs in modern distributed database system design. IEEE Computer, 45(2):37–42.
- [24] Ongaro, D. and Ousterhout, J. (2014). In Search of an Understandable Consensus Algorithm. In USENIX Annual Technical Conference, pages 305–319.
- [25] Asynchronous Programming with Async and Await (2014). <http://msdn.microsoft.com/en-us/library/ hh191443.aspx>.
- [26] Cattell, R. (2010). Scalable SQL and NoSQL data stores. SIGMOD Record, 39(4):12–27.

- [27] Bernstein, P.A, Hadzilacos, V, and Goodman, N. (1987). Concurrency Control and Recovery in Database Systems. Addison Wesley Publishing Company.
- [28] M. Kitabata et al., "Stabilization of etching oxide thickness using VM-APC of polymer wet etching," in Proc. AEC/APC Symp. Asia, Nov. 2011.
- [29] T. Tsuda et al., "Advanced semiconductor manufacturing using big data," in Proc. Int. Symp. Semicond. Manuf., Dec. 2014.
- [30] E.Mit, N. H. Borhan, and M. A. Khairuddin, "Need Analysis of Culture-based Genealogy Software for Indigenous Communities," 2012 IEEE Symp. E-Learning, E-Management, E-Services, IS3e 2012, pp. 61-65, 2012.
- [31] Obar, Jonathan A., Wildman, Steve (2015). "Social media definition and the governance challenge: An introduction to the special issue". Telecommunications policy. 39 (9): 745–750.
- [32] Haryadi, M. F. (2010). Analisa dan Perancangan Aplikasi Chatting berbasis Web menggunakan Adobe Flash CS3. 1-2.
- [33] D. Henriyan, D. P. Subiyanti, R. Fauzian, D. Anggraini, and M. V. G. Aziz, "Design and Implementation of Web Based Real Time Chat Interfacing server," pp. 83-87, 2016.
- [34] Hadeel Saleh Haj Aliwi, Putra Sumari, Nasser K. A. Alajmi, Kamal Alieyan. "The Effect of Packet Loss in the Homogeneous and Heterogeneous Protocol media Exchange Environment : A Comparison," pp. 649-654, 2016.
- [35] Stefano-Niko Orzen, Sorin Babii, "Network Events in the Dynamic Selection of Real-Time Session Fault Tolerant Routes". INES - IEEE, 2017.
- [36] Cereghetti, A.N.P, 2012. Global Evaluation of CDNs Performance Using Planet Lab. Thesis Master in Science in Telecommunication Engineering and Management. Universitat Politecnica Catalunya. 2012.

- [37] "E.800: Terms and definitions related to quality of service and network performance including dependability". ITU-T Recommendation. August 1994. Retrieved October 14, 2011. Updated September 2008 as Definitions of terms related to quality of service. 2008.
- [38] "Teletraffic Engineering Handbook", Archived January 11, 2007, at the Wayback Machine. ITU-T Study Group 2 (350 pages, 4•48MiB)(It uses abbreviation GoS instead of QoS).
- [39] "Real-time reconfiguration for guaranteeing QoS provisioning levels in Grid environments Future Generation Computer Systems", Volume 25, Issue 7, July 2009, Pages 779–784, Elsevier.
- [40] "MySQL Load Balancing with HAProxy". Severalnines AB. 2011. Retrieved 19 February 2013.
- [41] <http://www.haproxy.org/>. 2017.
- [42] "YU SHENGSHENG, YANG LIHUI, LU SONG, ZHOU JINGLI", College of Computer Science, Huazhong University of Science & Technology. Retrieved 2015.
- [43] Ellrod, C. (2010). Load Balancing – Round Robin. Retrieved 2015, from <http://blogs.citrix.com: http://blogs.citrix.com/2010/09/03/load-balancing-round-robin>.
- [44] H.Schulzrinne, RTP Profile for Audio and Video Conferences with Minimal Control, Internet Draft, draft-ietf-avt-profile-new-01.ps, Internet Engineering Task Force, Jan., 1998, Work in Progress.
- [45] C.Reummler & D.Wilkes, An Introduction to Disk Drive Modeling IEEE Computer Vol.27, No.3 March, 1994, pp17-29.
- [46] Haproxy. Retrieved from <https://www.haproxy.org>. Diakses November 2018
- [47] E.Shriver, Performance Modeling for Realistic Storage Devices, PhD Thesis , May, 1997, Univ. New York.

- [48] Thamrin, D., 2008. Implementasi dan Evaluasi Kinerja Load Balancing pada Server-Server Proxy di IPB. Skripsi. Institute Pertanian Bogor.
- [49] D.M.Jacobson & J.Wilkes, Disk Scheduling Algorithms Based on Rotational Position technical Report , HPL-CSP-91-7,Rev1,HP.
- [50] Keepalived. Retrieved from <https://www.keepalived.org>. (2015, November).
- [51] Cardellini, V., Colajanni, M., dan Yu, P.S., 1999. Dynamic Load balancing on Web-server Systems. IEEE Internet Computing, vol. 3, no. 3, pp. 28-39. USA.
- [52] Keepalived. Retrieved from <https://www.keepalived.org>. (2015, November)
- [53] Bourke, T., 2001. Server Load balancing. Published by O'Reilly & Associates, Inc. United States of America.
- [54] Madalina,M., dan Bucharest, 2007. Analyzing the Network Response Time and Load balancing. Journal Revista Informatica Economica, nr.
- [55] Cereghetti, A.N.P, 2012. Global evaluation of CDNs performance using PlanetLab. Thesis. Master in Science in Telecommunication Engineering and Management. Universitat Politecnica Catalunya.
- [56] Brownlee N, dan Loosley, C. 2001. Fundamental of Internet Measurement: A Tutorial. CGM Journal of Computer Resource Management 102.
- [57] Forouzan, B.A., 2007. Data Communications And Networking, Fourth Edition. The McGraw-HillCompanies, Inc. ISBN-13 978-0-07-296775-3. New York. America.
- [58] Stallings, W. 2007. Data And Computer Communications, Eighth Edition. Pearson Education, Inc. ISBN: 0-13-243310-9. United States of America.
- [59] Kopparapu, C., 2002. Load balancing Servers, Firewalls, and Caches. Wiley Computer Publishing.John Wiley & Sons, Inc.New York Chichester Weinheim Brisbane Singapore Toronto.
- [60] Lopez, T.S., 2004. Analisis on Linux Server Clustering. Thesis. Faculty of Computer Science. Polytechnic University of Valencia.

- [61] Jalote, P. 1994. Fault Tolerance in Distributed Systems. Prentice Hall, Englewood Cliffs, NJ.
- [62] Ferdinando, 2004. Fault Tolerance in Real-time Distributed System Using the CT Library. Master's Thesis. Department of Electrical Engineering, Faculty EE-Math-CS. University of Twente. Belanda.
- [63] Ray, S dan Sarkar, A.D., 2012. Execution Analysis Of Load balancing Algorithms In Cloud Computing Environment. International. Journal on Cloud Computing: Services and Architecture (IJCCSA), Vol.2, No.5. Department of Computer Science and Engineering, Birla Institute of Technology, Mesra, Kolkata.
- [64] Rao, G. P., Brueggemann, E. R., Rodriguez, R. A., "Method for maintaining transaction integrity across multiple remote access servers". US 11/626,334, 2010.
- [65] Chao, H.J. dan Guo , X., 2002 Quality of Service Control in High-Speed Network, John Wiley & Sons, Inc, New York.
- [66] Rasian, R. & Mursanto, P., 2009. Perbandingan Kinerja Pendekatan Virtualisasi, Jurnal Ilmu Komputer, pp.90-99.