

BAB V

KESIMPULAN DAN SARAN

5.1 Kesimpulan

Berikut ini hasil dari penelitian yang telah dilakukan. Berdasarkan hasil penelitian yang sudah dilakukan, maka dapat diambil kesimpulan sebagai berikut. *Framework EAP (Enterprise Architecture Planning)* digunakan sebagai metode untuk merancang arsitektur di PDAM Tirta Sembada Kabupaten Sleman. Hasil rancangannya berupa 7 usulan sistem informasi baru untuk mendukung aktivitas pada organisasi, yaitu : Sistem Informasi rekrutmen pegawai berbasis *website*, Aplikasi *smartpresence* berbasis *mobile application* , Sistem Informasi GIS (*Geographic Information System*) berbasis *desktop application*, Sistem Informasi *Logger* berbasis *website*, Sistem Informasi Pendaftaran Pelanggan PDAM berbasis *website*, Aplikasi Aduan Pelanggan Berbasis *mobile application*, Aplikasi Tagihan Rekening Berbasis *mobile application*. Dan 1 usulan struktur organisasi bagian TI yang bertanggung jawab untuk menangani pengembangan dan pemeliharaan TI.

5.2 Saran

Hasil dari penelitian ini dapat menjadi bahan pertimbangan dalam menyusun *cooperate plan* perusahaan dalam jangka waktu 5 tahun kedepan.

DAFTAR PUSTAKA

- [1] A. . G. S. Utama, “The implementation of e-government in indonesia,” *Int. J. Res. Bus. Soc. Sci.* (2147- 4478), vol. 9, no. 7, pp. 190–196, 2020, doi: 10.20525/ijrbs.v9i7.929.
- [2] E. Dewi and P. Sari, “the Critical Success Factors Model for Implementation of Enterprise Architecture in Pdam Tirta Raharja,” no. September, pp. 1–11, 2018.
- [3] L. Urbaczewski and S. Mrdalj, “a Comparison of Enterprise Architecture Frameworks,” *Issues Inf. Syst.*, vol. VII, no. 2, pp. 18–23, 2006, doi: 10.48009/2_iis_2006_18-23.
- [4] Dwi Nurwata, “Tentang PDAM,” 2017. <https://pdamsleman.co.id/tentang-pdam>
- [5] I. N. Farida, A. Rosidi, and S. A. Syahdan, “Perencanaan Enterprise Architecture di Rumah Sakit Umum Muhammadiyah Surya Melati Kediri,” *Creat. Inf. Technol. J.*, vol. 1, no. 1, p. 25, 2015, doi: 10.24076/citec.2013v1i1.7.
- [6] W. Arya and C. Fibriani, “Perencanaan Strategis Sistem Informasi menggunakan Metode Enterprise Architecture Planning Framework,” *J. Locus Penelit. dan Pengabd.*, vol. 1, no. 03, pp. 169–178, 2022, doi: 10.36418/locus.v1i03.28.
- [7] W. Witanti, A. I. Hadiana, and R. F. Ramadhan, “Arsitektur Teknologi Informasi Berbasis Enterprise Architecture Planning (EAP) di Badan Meteorologi Klimatologi Geofisika (BMKG),” *Annu. Res. Semin.* 2016, vol. 2, no. 1, pp. 256–267, 2016, [Online]. Available: <http://ars.ilkom.unsri.ac.id>
- [8] N. S. Sasue and A. F. Wijaya, “Perencanaan Strategis Sistem Informasi Menggunakan Enterprise Architecture Planning (Eap) Framework,” *J. Bina Komput.*, vol. 2, no. 2, pp. 79–87, 2020, doi: 10.33557/binakomputer.v2i2.919.
- [9] H. D. Yunita, “PERENCANAAN ARSITEKTUR SISTEM INFORMASI MENGGUNAKAN MODEL ENTERPRISE ARCHITECTURE PLANNING (EAP) di DIREKTORAT RESERSE KRIMINAL UMUM POLDA,” *Expert J. Manaj. Sist. Inf. dan Teknol.*, vol. 8, no. 1, 2018, doi: 10.36448/jmsit.v8i1.1047.
- [10] R. Trisminingsih and S. N. Putra, “Perancangan Arsitektur Enterprise untuk Koperasi Pertanian Menggunakan Enterprise Architecture Planning,” *JSI J. Sist. Inf.*, vol. 9, no. 1, pp. 1138–1148, 2017, doi: 10.36706/jsi.v9i1.3937.

- [11] M. N. Altas, L. Junaedi, and M. Sulaiman, "Jurnal Teknologi Sistem Informasi dan Sistem Komputer TGD Desain Arsitektur Sistem Informasi Menggunakan Enterprise Architecture Planning (EAP) Jurnal Teknologi Sistem Informasi dan Sistem Komputer TGD," vol. 5, pp. 193–204, 2022.
- [12] A. Yudhana, R. Umar, and F. Alameka, "Perancangan Sistem Informasi Menggunakan Enterprise Architecture Planning (Studi Kasus Pada Kecamatan di Kota Samarinda)," *Khazanah Inform. J. Ilmu Komput. dan Inform.*, vol. 4, no. 2, p. 114, 2018, doi: 10.23917/khif.v4i2.7039.
- [13] R. R. Rerung, "Perencanaan Arsitektur Sistem Informasi Dinas Pariwisata Menggunakan Model Eap," *Simetris J. Tek. Mesin, Elektro dan Ilmu Komput.*, vol. 8, no. 1, pp. 327–338, 2017, doi: 10.24176/simet.v8i1.997.
- [14] M. Fauzi Rasul, M. N.N. Sitokdana, S.Kom., M.Eng, and P. Fiodinggo Tanaem, S.Kom., M.Cs., "Perencanaan Sistem Informasi Manajemen Rumah Sakit Menggunakan Enterprise Architecture Planning (EAP) Perencanaan Sistem Informasi Manajemen Rumah Sakit Menggunakan Enterprise Architecture Planning (EAP) Artikel Ilmiah Diajukan kepada Fakultas Teknolo," no. 682018708, 2020.
- [15] S. Rao Siriginidi, "Enterprise resource planning in reengineering business," *Bus. Process Manag. J.*, vol. 6, no. 5, pp. 376–391, 2000, doi: 10.1108/14637150010352390.
- [16] K. Hjort-Madsen, "Institutional patterns of enterprise architecture adoption in government," *Transform. Gov. People, Process Policy*, vol. 1, no. 4, pp. 333–349, 2007, doi: 10.1108/17506160710839169.
- [17] A. M. I. Purnama and M. Y. Alamsyah, "Enterprise Architecture Design Using Enterprise Architecture Planning (Eap) Method in Kelurahan Sindangjaya Office Mandalajati District Bandung City," pp. 517–531, 2021, doi: 10.32897/sobat3.2021.46.
- [18] B. Jahani, S. Reza Seyyed Javadein, and H. Abedi Jafari, "Measurement of enterprise architecture readiness within organizations," *Bus. Strateg. Ser.*, vol. 11, no. 3, pp. 177–191, 2010, doi: 10.1108/17515631011043840.
- [19] S. Gregor, D. Hart, and N. Martin, "Enterprise architectures: Enablers of business strategy and IS/IT alignment in government," *Inf. Technol. People*, vol. 20, no. 2, pp. 96–120, 2007, doi: 10.1108/09593840710758031.
- [20] T. Stobierski, "WHAT IS A VALUE CHAIN ANALYSIS? 3 STEPS," 2020. <https://online.hbs.edu/blog/post/what-is-value-chain-analysis> (accessed Dec. 03, 2020).
- [21] M. A. Khairusy, R. Hurriyati, P. D. Dirgantari, and ..., "The Correlation of

- Value Chain, Service Quality, and Web Quality on Consumer Satisfaction,” *J. Ad’ ...*, vol. 8, no. 2, pp. 347–358, 2021.
- [22] L. Haryani and I. Hidayah, “IT Balanced Scorecard dan Implementasinya Dalam Penyelarasan TI Dengan Strategi Bisnis,” *AMIKOM OJS J.*, pp. 7–12, 2014.
- [23] W. A. P. Dania, E. A. Nurfitriani, and R. Septifani, “Value Chain Analysis of Jackfruit Chips in Green Supply Chain Management Perspective Using the Value Chain Operations Reference Method,” *Ind. J. Teknol. dan Manaj. Agroindustri*, vol. 10, no. 2, pp. 125–134, 2021, doi: 10.21776/ub.industria.2021.010.02.4.
- [24] S. Buchanan, *Planning strategically, designing architecturally: A framework for digital library services*, vol. 32, no. 2010. Elsevier, 2010. doi: 10.1108/S0065-2830(2010)0000032010.
- [25] M. Nicho, “A process model for implementing information systems security governance,” *Inf. Comput. Secur.*, vol. 26, no. 1, pp. 10–38, 2018, doi: 10.1108/ICS-07-2016-0061.
- [26] S. M. Bang Nguyen, Dilip, “기사 (Article) 와 안내문 (Information) [,” *Eletronic Libr.*, vol. 34, no. 1, pp. 1–5, 2015.
- [27] D. Herlinudinkhaji, “Pengukuran Kinerja Layanan Akademik Dengan Maturity Level Dan Analisis It Balanced Scorecard Berdasarkan Perspektif Orientasi Pengguna,” *J. Tek. Inform.*, vol. 7, no. 2, pp. 57–62, 2021, doi: 10.51998/jti.v7i2.428.
- [28] K. Takamatsu *et al.*, “SWOT Analysis and Complex Network Analysis to Enhance Governance in Universities by Collaboration between Academic and Administrative Faculty,” in *2016 5th IIAI International Congress on Advanced Applied Informatics (IIAI-AAI)*, 2016, pp. 1188–1189. doi: 10.1109/IIAI-AAI.2016.207.
- [29] I. Factors, “——基于科技型企业新生代员工的实证研究 崔智淞 1 , 王弘钰 1 , 刘伯龙 2 (1.,” vol. 6, no. 2, 2021.
- [30] T. B. Addo, C. Chow, and K. Haddad, “Development of an IT Balanced Scorecard,” *J. Int. Technol. Inf. Manag.*, vol. 13, no. 4, p. 1, 2004.