

BAB VI. PENUTUP

6.1. Kesimpulan

Berdasarkan hasil analisis, desain, implementasi, dan pengujian yang telah dilakukan terhadap perangkat lunak SIASMA, maka dapat diambil kesimpulan bahwa SIASMA dapat mempermudah proses pendaftaran dan seleksi asisten dosen dalam lingkup Prodi Informatika UAJY.

6.2. Saran

Saran yang diterima dari proses pengembangan dan pembangunan SIASMA adalah sebagai berikut:

1. Beberapa fitur masih belum sesuai dengan kebutuhan dalam proses pendaftaran dan penerimaan asdos
2. Mahasiswa juga perlu memasukkan nomor telepon saat mendaftar di seleksi administrasi
3. Beberapa tampilan antarmuka masih kurang menarik
4. Halaman *exception* perlu diimplementasikan
5. Data laporan masih belum sesuai dengan kebutuhan laboratorium

DAFTAR PUSTAKA

- [1] C. Chapelle, *Computer Applications in Second Language Acquisition: Foundation for Teaching Testing and Research*, London: Cambridge University Press, 2001.
- [2] R. R., Farretti, "Language Acquisition in Integrated Language Learning Environment," *The Prometheus Journal*, vol. 1, no. 4, hal. 1-10, 2001.
- [3] M. Gonzalez-Lloret, "Design Task-Based CALL to Promote Interaction," *Language Learning & Technology*, vol. 7, no. 1, hal. 86-104, 2003.
- [4] W. L. Tsou, W. H. Wang, & H. Y. Li, "How Computers Facilitate English Foreign Language Learners Acquire English Abstract Words," *Computers & Education*, vol. 39, no. 4, hal. 415-428, 2002.
- [5] A. Wibisono, "Pengembangan Sistem Informasi Akademik untuk Pelaporan Proses Akademik Mahasiswa Berbasis *web* (Studi Kasus SIATMA Universitas Atma Jaya Yogyakarta)," S1 thesis, UAJY, Yogyakarta, 2010.
- [6] H. W. Gellersen & M. Gaedke, "Object-Oriented *web* Application Development," *IEEE Internet Computing*, vol. 3, no. 1, hal. 60-68, 1999.
- [7] M. Aoyama, "Web-Based Agile Software Development," *IEEE Software*, vol. 15, no. 6, hal. 56-65, 1998.
- [8] N. Russo, B. Graham, "A First Step in Developing A *web* Application Design Methodology: Understanding the Environment," Dipresentasikan dalam *6th International Conference on Information Systems Methodology*, Salford University, Manchester, London, 1998, hal 24-33.
- [9] M. J. Taylor, S. Wade, & D. England, "Informing IT System *web* Site Design Through Normalization," *Internet Research*, vol. 13, no. 5, hal. 342-355, 2003.
- [10] K. Edwards & M. O'Mahony, *Restructuring the university: Universities and the challenge of new technologies*, Association of European Universities, 1996.

- [11] Y. R. Putri, "The Effect of Web-Based Academic Information System to Academic Service Quality at Communication Department of Telkom Institute of Management," *Jurnal Siosioteknologi*, vol. 28, no. 12, hal. 346-352, 2013.
- [12] N. H. Agustiani, "Pengaruh Pemanfaatan SIKADU terhadap Kinerja Individual dengan Kemudahan Penggunaan Variabel Moderating," S1 thesis, Universitas Diponegoro, Semarang, 2010.
- [13] Darmalaksana, Wahyudin dkk, "Strategic Design of Information System Implementation at University," *International Journal of Engineering & Technology (UEA) 7.29.19*, hal. 787-791, 2018.
- [14] N. A. Y. Ramadhani, "Pembangunan Sistem Informasi Penerimaan Siswa Baru di Sekolah Menengah Kejuruan Al-Irsyad Tegal" *Sentra Penelitian Engineering dan Edukasi*, vol. 3, no. 3, hal. 35-43, 2011.
- [15] F. H., Habibie, B. E. Purnama, & R. A. Triyono, "Pembangunan Sistem Informasi Penerimaan Calon Tenaga Kerja Secara Online Berbasis *web* Pada Bursa Kerja Khusus SMK Ganesha Tama Boyolali," *Jurnal Teknologi Informasi dan Komunikasi*, vol. 5, no. 2, hal. 77-83, 2014.
- [16] S. W. S. Wijaya, A. Mulyanto, & M. Mustakim, "Sistem Informasi Penerimaan Mahasiswa Baru Berbasis *web* dan WAP," dipresentasikan dalam *Seminar Nasional VI SDM Teknologi Nuklir*, Yogyakarta, Nov. 2010, hal. 305-402.
- [17] A. Mishra, "Critical Comparison of PHP and ASP.NET for *web* Development," *International Journal of Scientific & Technology Research*, vol. 3, no. 7, hal. 331-333, 2014.
- [18] Sutarman, *Pengantar Teknologi Informasi*. Jakarta: Bumi Aksara, 2012.
- [19] B. K. William & S. C. Sawyer, *Using information technology a practical introduction to computers & communications: Complete version*, 9th ed, New York: McGraw-Hill, 2011.
- [20] H. Jogyanto, *Analisis dan Desain, Sistem Informasi: Pendekatan Terstruktur*

Teori dan Praktek Aplikasi Bisnis. Yogyakarta: Andi, 2005.

[21] S. Al-Fedaghi, "Developing web Applications," *International Journal of Software Engineering and Its Applications*, vol. 5, no. 2, hal. 57-58, 2011.

[22] Mawardi, "Dosen dan Asisten Dosen dalam Pengelolaan Perkuliahan," *Jurnal Ilmiah Didaktika*, vol. 9, no. 2, hal. 221-238, 2011.

[23] Amadin IF & Nwelih E, "An Empirical Comparison Of: HTML, PHP, COLDFUSION, PERL, ASP .NET, JAVASCRIPT, VBSCRIPT, PYTHON AND JSP," *Global Journal of Computer Science and Technology*, 10.12, hal. 9-17, 2010.

[24] Odeh, Ayman Hussien. "Analytical and Comparison Study of Main Web Programming Languages–ASP and PHP," *TEM Journal* 8.4, hal. 1517-1522, 2019.

[25] Gurbaxani V, Whang S, "The impact of information systems on organizations and markets," *Communications of the ACM*, Jan 3;34(1), hal. 59-73, 1991.

[26] Al Shobaki, Mazen J., & Samy S. Abu-Naser, "The Requirements of Computerized Management Information Systems and Their Role in Improving the Quality of Administrative Decisions in the Palestinian Ministry of Education and Higher Education," *International Journal of Information Technology and Electrical Engineering*, vol. 6, no. 6, hal. 7-35, 2017.

[27] Anwar, Chairil, and H. L. Warnars. "Sistem Informasi Akademik Online Sebagai Penunjang Sistem Perkuliahan." *arXiv preprint arXiv:1006.2082*, 2010.

[28] Homaidi, Ahmad. "Sistem Informasi Akademik AMIK Ibrahimy Berbasis Web." *Jurnal Ilmiah Informatika* 1, no. 1, hal. 17-23, 2016.

[29] Dissanayake, N. R., G. Dias, "Web-based applications: extending the general perspective of the service of web," *10th International Research Conference of KDU (KDU-IRC 2017) on Changing Dynamics in the Global Environment: Challenges and*

Opportunities, Rathmalana, Sri Lanka, 2017.

