



DAFTAR PUSTAKA

- [1] BPPT, *Outlook Energi Indonesia 2015 Pengembangan Energi untuk Mendukung Pembangunan Berkelanjutan*. Jakarta: Pusat Teknologi Pengembangan Sumber Daya Energi (PTPSE) BPPT, 2015.
- [2] D. A. Susanto and B. B. Louhenapessy, “Ketersediaan Standar Dalam Mendukung Penerapan Sistem Smart Grid Di Indonesia,” *J. Stand.*, vol. 16, no. 2, pp. 147–158, 2014.
- [3] K. sari Aziza, “Jeritan Masyarakat atas Tarif Listrik yang Kian Mencekik..,” *KOMPAS*, 2017. [Online]. Available: <https://ekonomi.kompas.com/read/2017/06/14/205100626/jeritan.masyarakat.at.atas.tarif.listrik.yang.kian.mencekik>. [Accessed: 22-Dec-2017].
- [4] Menteri ESDM, “Permen ESDM No. 31 Tahun 2014,” 2014. [Online]. Available: [http://jdih.esdm.go.id/peraturan/Permen ESDM 31 Tahun 2014.pdf](http://jdih.esdm.go.id/peraturan/Permen%20ESDM%2031%20Tahun%202014.pdf). [Accessed: 04-Feb-2018].
- [5] SMB Smart Grid Strategic Group (SG3), “IEC Smart Grid Standardization Roadmap,” 2010.
- [6] S. Mohanty and B. N. Panda, “Implementation of a Web of Things based Smart Grid to remotely monitor and control Renewable Energy Sources,” in *Conference on Electrical, Electronics and Computer Science Implementation*, 2014, pp. 1–5.
- [7] M. Ferreira, “Energy management application for smart grids aiming at mobile device,” in *PES Conference On Innovative Smart Grid Technologies Latin America (ISGT LA)*, 2013, pp. 1–8.
- [8] A. S. Patttanayak, B. S. Pattnaik, and B. N. Panda, “Implementation of a Smart Grid System to Remotely Monitor, Control and Schedule Energy Sources Using Android Based Mobile Devices,” in *9th International Conference on Industrial and Information Systems (ICIIS)*, 2014, pp. 1–5.
- [9] RISTEKDIKTI, “Smartphone Rakyat Indonesia,” *SIARAN PERS*, 2017. [Online]. Available: <https://ristekdikti.go.id/smartphone-rakyat-indonesia-2/>. [Accessed: 22-Dec-2017].
- [10] K. Kuusinen and A. M. A. Development, “On Designing UX for Mobile Enterprise Apps,” in *40th Euromicro Conference on Software Engineering and Advanced Applications On*, 2014, pp. 221–228.
- [11] N. Nwiabu, I. Allison, P. Holt, P. Lowit, and B. Oyeneiyin, “User Interface Design for Situation-aware Decision Support Systems,” in *International Multi-Disciplinary Conference on Cognitive Methods in Situation*



- Awareness and Decision Support, New Orleans, LA User*, 2012, pp. 332–339.
- [12] E. Susilo, B. Soedijono WA, and H. Al Fatta, “Evaluasi Aplikasi Mobile SSP (Secure System Of Payment) Menggunakan Prinsip Usability (Studi Kasus: PT Sydeco),” in *Seminar Nasional Teknologi Informasi dan Multimedia 2017*, 2017, vol. 2.6, pp. 7–12.
- [13] R. S. Pressman, *Rekayasa Perangkat Lunak Pendekatan Praktisi Edisi 7*, Buku 1. Yogyakarta: Penerbit ANDI, 2012.
- [14] Y. Nurhadryani, S. K. Sianturi, and I. Hermadi, “Penguujian Usability untuk Meningkatkan Antarmuka Aplikasi Mobile,” *J. Ilmu Komput. Agri-Informatika*, vol. 2, no. 2, pp. 83–93, 2013.
- [15] T. Vaughan, *Multimedia: Making It Work*, 6th ed. Yogyakarta: Penerbit ANDI, 2006.
- [16] V. Barnes, T. K. Collins, and G. A. Mills, “Design and Implementation of Home Energy and Power Management and Control System,” in *60th International Midwest Symposium on Circuits and Systems (MWSCAS)*, 2017, pp. 241–244.
- [17] J. De Los Reyes, A. N. Rodriguez, E. D. Umali, R. Solamo, and R. Feria, “Evaluation of a mobile AAC application for Filipino language,” in *5th International Conference on Information, Intelligence, Systems and Applications*, 2014, pp. 137–142.
- [18] S.-M. Chung and C.-T. Wu, “Creating a teaching and learning experience for designing interactive applications: Digital musical instruments,” *Glob. Eng. Educ. Conf.*, no. April, pp. 448–452, 2017.
- [19] H. Noprisson, N. Husin, and M. Utami, “The Use of a Mixed Method Approach to Evaluate m-Government Implementation,” in *International Conference on Information Technology Systems and Innovation (ICITSI) Bandung*, 2016, pp. 1–5.
- [20] D. S. Pradana and R. Ferdiana, “Mobile applications rating assessments based on users experience perception,” in *Proceeding - Makassar International Conference on Electrical Engineering and Informatics, MICEEI 2014*, 2014, no. November, pp. 175–179.
- [21] N. Ibrahim, W. Fatimah, W. Ahmad, and A. Shafie, “User Experience Study on Folktales Mobile Application for Children’s Education,” in *9th International Conference on Next Generation Mobile Applications, Services and Technologies*, 2015, pp. 353–358.
- [22] S. Ehsan, S. Taba, I. Keivanloo, Y. Zou, and S. Wang, “An exploratory



- study on the usage of common interface elements in android applications,” *J. Syst. Softw.*, vol. 131, pp. 491–504, 2017.
- [23] M. Pratama, N. A. Setiawan, and S. Wibirama, “User Interface Design for Android-based Family Genealogy Social Media,” in *7th International Annual Engineering Seminar (InAES), Yogyakarta, Indonesia, 2017*, pp. 1–5.
- [24] H. Almakky, R. Sahandi, and J. Taylor, “The Effect of Culture on User Interface Design of Social Media - A Case Study on Preferences of Saudi Arabians on the Arabic User Interface of Facebook,” *Int. J. Soc. Behav. Educ. Econ. Bus. Ind. Eng.*, vol. 9, no. 1, pp. 107–111, 2015.
- [25] M. Pratama, “Desain Antarmuka Pengguna Grafis Pada Media Sosial Silsilah Keluarga Dengan Fitur Gamification Berbasis Android,” Universitas Gadjah Mada, 2017.
- [26] J. Gong and P. Tarasewich, “Guidelines for handheld mobile device interface design,” *Proc. DSI 2004 Annu. Meet.*, pp. 3751–3756, 2004.
- [27] H. B. Santoso, R. Y. K. Isal, T. Basaruddin, L. Sadita, and M. Schrepp, “Research-in-progress: User Experience Evaluation of Student Centered E-Learning Environment for Computer Science Program,” in *3rd International Conference on User Science and Engineering (i-USEr)*, 2014, pp. 52–55.
- [28] T. W. Oktaviani, “Perancangan User Interface Berbasis Web untuk Home Automation Gateway Berbasis IQRF TR53B,” *JNTETI*, vol. 03, no. 03, pp. 179–186, 2014.
- [29] I. Santosa, *Interaksi Manusia dan Komputer*. Yogyakarta: Penerbit ANDI, 2010.
- [30] T. S. Tullis and J. N. Stetson, “A Comparison of Questionnaires for Assessing Website Usability,” in *Usability Professional Association Conference*, 2004, pp. 1–12.
- [31] A. Garcia, “UX Research | Standardized Usability Questionnaire,” 2013. [Online]. Available: <https://chaione.com/blog/ux-research-standardizing-usability-questionnaires/>. [Accessed: 06-Jan-2018].
- [32] B. Laugwitz, T. Held, and M. Schrepp, “Construction and Evaluation of a User Experience Questionnaire,” *HCI Usability Educ. Work*, vol. 5298, pp. 63–76, 2008.
- [33] D. Mardian, M. Sibarani, and T. Susila, “Analisis Desain Implementasi Teknologi Komunikasi VSAT Dan Long Term Evolution (LTE) Pada Sistem Smart Grid,” *J. Tesla*, vol. 16, no. 1, pp. 81–89, 2014.



- [34] K. Y. Zamri and N. N. Al Subhi, “10 User Interface Elements for Mobile Learning Application Development,” in *International Conference on Interactive Mobile Communication Technologies and Learning (IMCL)*, 2015, pp. 44–50.
- [35] R. Harrison, D. Flood, and D. Duce, “Usability of mobile applications: literature review and rationale for a new usability model,” *J. Interact. Sci.*, vol. 1, no. 1, pp. 1–16, 2013.
- [36] Android Developers, “Material Design for Developers.” [Online]. Available: <https://developer.android.com/training/material/index.html>. [Accessed: 18-Feb-2018].
- [37] A. Chammas, M. Quaresma, and C. Mont’Alvão, “A Closer Look on the User Centred Design,” in *6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE*, 2015, vol. 3, pp. 5397–5404.
- [38] H. Grebe, “Ux Process And Skills Diagrams,” 2015. [Online]. Available: <http://www.hankgrebe.com/ux/ux-diagrams/>. [Accessed: 02-Jun-2018].
- [39] M. Song, H. Song, and F. Xiangling, “Methodology of User Interfaces Design Based On Android,” in *International Conference on Multimedia Technology (ICMT)*, 2011, pp. 408–411.
- [40] J. Brooke, “SUS - A quick and dirty usability scale,” *Usability Eval. Ind.*, vol. 189, no. 194, pp. 4–7, 1996.
- [41] A. Bangor, P. Kortum, and J. Miller, “Determining what individual SUS scores mean: Adding an adjective rating scale,” *J. Usability Stud.*, vol. 4, no. 3, pp. 114–123, 2009.
- [42] Z. Sharfina and H. B. Santoso, “An Indonesian adaptation of the System Usability Scale (SUS),” in *International Conference on Advanced Computer Science and Information Systems, ICACISIS 2016*, 2017, pp. 145–148.
- [43] M. Schrepp, “User Experience Questionnaire Handbook,” pp. 1–11, 2017.
- [44] H. B. Santoso, M. Schrepp, R. Yugo Kartono Isal, Y. Utomo, and B. Priyogi, “Measuring User Experience of the Student-Centered e-Learning Environment,” *J. Educ. Online-JEO*, vol. 13, no. 1, pp. 142–166, 2016.
- [45] B. Saidani and S. Arifin, “Pengaruh Kualitas Produk Dan Kualitas Layanan Terhadap Kepuasan Konsumen Dan Minat Beli Pada Ranch Market,” *J. Ris. Manaj. Sains Indones.*, vol. 3, no. 1, pp. 1–22, 2012.
- [46] J. Tarigan, “User Satisfaction Using Webqual Instrument: A Research on



- Stock Exchange of Thailand (SET),” *J. Akunt. dan Keuang.*, vol. 10, pp. 34–47, 2008.
- [47] Z. A. Hasibuan, *Metodologi Penelitian Pada Bidang Ilmu Komputer Dan Teknologi Informasi*. Fasilkom Universitas Indonesia, 2007.
- [48] Sugiyono, *Metode Penelitian Pendidikan (Pendekatan Kuantitatif, Kualitatif, dan R&D)*. Bandung: Alfabeta, 2012.
- [49] L. Faulkner, “Beyond the five-user assumption: Benefits of increased sample sizes in usability testing,” *Behav. Res. Methods, Instruments, Comput.*, vol. 35, no. 3, pp. 379–383, 2003.
- [50] B. P. Statistik, “Pelanggan Perusahaan Listrik Negara (PLN), 1995-2015.” [Online]. Available: <https://www.bps.go.id/linkTableDinamis/view/id/1106>. [Accessed: 19-Jan-2018].
- [51] Presiden and D. RI, “UU No. 23 Tahun 2002 tentang Perlindungan Anak,” 2002. [Online]. Available: <http://pih.kemlu.go.id/files/UUNo23tahun2003PERLINDUNGANANAK.pdf>. [Accessed: 30-Jan-2018].
- [52] A. Azizi, “Peran Gender Dalam Pengambilan Keputusan Rumah Tangga Nelayan Di Kota Semarang Utara, Provinsi Jawa Tengah,” *J. Sos. Ekon. Kelaut. dan Perikan.*, vol. 7, no. 1, pp. 113–125, 2012.
- [53] J. Sauro, “Measuring Usability With The System Usability Scale (SUS),” 2011. [Online]. Available: <https://measuringu.com/sus/>. [Accessed: 07-Jan-2018].
- [54] UEQ-Online, “User Experience Questionnaire (UEQ).” [Online]. Available: <http://www.ueq-online.org/>. [Accessed: 10-Jan-2018].
- [55] Direksi PT PLN (Persero), “Peraturan Direksi PT PLN (Persero) No 0733.K/DIR/2013 Tentang Pemanfaatan Energi Listrik dari FOTOVOLTAIK Oleh Pelanggan PT PLN (Persero),” 2015. [Online]. Available: https://www.tmlenergy.co.id/wp-content/uploads/2017/10/PERATURAN-DIREKSI-0773.K.DIR_.2013-FOTOVOLTAIK.pdf. [Accessed: 02-Apr-2018].
- [56] Menteri ESDM, “Permen ESDM No 10 Tahun 2017,” 2017. [Online]. Available: [http://jdih.esdm.go.id/peraturan/Permen ESDM Nomor 10 Tahun 2017.pdf](http://jdih.esdm.go.id/peraturan/Permen%20ESDM%20Nomor%2010%20Tahun%202017.pdf). [Accessed: 02-Apr-2018].
- [57] Menteri ESDM, “Permen ESDM No 12 Tahun 2017,” 2017. [Online]. Available: [http://jdih.esdm.go.id/peraturan/Permen ESDM Nomor 12 Tahun 2017.pdf](http://jdih.esdm.go.id/peraturan/Permen%20ESDM%20Nomor%2012%20Tahun%202017.pdf). [Accessed: 02-Apr-2018].



- [58] Menteri ESDM, “Permen ESDM No 43 Tahun 2017,” 2017. [Online]. Available: [http://jdih.esdm.go.id/peraturan/Permen ESDM Nomor 43 Tahun 2017.pdf](http://jdih.esdm.go.id/peraturan/Permen%20ESDM%20Nomor%2043%20Tahun%202017.pdf). [Accessed: 02-Apr-2018].
- [59] Google Play, “Gratis Teratas di Belanja.” [Online]. Available: https://play.google.com/store/apps/category/SHOPPING/collection/topselling_free. [Accessed: 19-Jan-2018].