

## DAFTAR PUSTAKA

- [1] Anonim, *Buildings and Climate Change: Status, Challenges and Opportunities*. United Nations Environment Programme (UNEP), 2007.
- [2] M. H. Chung and E. K. Rhee, "Potential opportunities for energy conservation in existing buildings on university campus: A field survey in Korea," *Energy Build.*, vol. 78, pp. 176–182, Aug. 2014.
- [3] J. Page, D. Robinson, N. Morel, and J.-L. Scartezzini, "A Generalised Stochastic Model for The Simulation of Occupant Presence," *Energy Build.*, vol. 40, no. 2, pp. 83–98, 2008.
- [4] T. A. Nguyen and M. Aiello, "Energy intelligent buildings based on user activity: A survey," *Energy Build.*, vol. 56, pp. 244–257, Jan. 2013.
- [5] M. S. Gul and S. Patidar, "Understanding the energy consumption and occupancy of a multi-purpose academic building," *Energy Build.*, vol. 87, pp. 155–165, Jan. 2015.
- [6] O. T. Masoso and L. J. Grobler, "The dark side of occupants' behaviour on building energy use," *Energy Build.*, vol. 42, no. 2, pp. 173–177, Feb. 2010.
- [7] T. Hong and H.-W. Lin, "Occupant Behavior: Impact on Energy Use of Private Offices," in *In ASim 2012 - 1st Asia conference of International Building Performance Simulation Association*, 2013.
- [8] T. Yokomizo, I. Takano, and M. Kobayashi, "Effective Energy-saving on The Campus Classroom Lighting by Scheduling Management," in *TENCON 2009 - 2009 IEEE Region 10 Conference*, 2009, pp. 1–6.
- [9] A. Syahrani, "Pengembangan Purwarupa Sistem Pengendalian Perangkat Elektronik Memanfaatkan WSN untuk Efisiensi Energi pada Gedung Perkantoran," Tesis, Universitas Gadjah Mada, Yogyakarta, 2015.
- [10] H. Pratyaksa, "Perancangan Sistem Penjadwalan Otomatis Memanfaatkan Google Calendar Berbasis Perangkat Plugwise," Skripsi, Universitas Gadjah Mada, Yogyakarta, 2014.
- [11] Mukhtar, "Implementasi Sistem Penjadwalan Berbasis Google Calendar Untuk Penjadwalan Peralatan Listrik Dalam Ruangan," Tesis, Universitas Gadjah Mada, Yogyakarta, 2016.
- [12] I. Georgievski, V. Degeler, G. A. Pagani, T. A. Nguyen, A. Lazovik, and M. Aiello, "Optimizing Energy Costs for Offices Connected to the Smart Grid," *IEEE Trans. Smart Grid*, vol. 3, no. 4, pp. 2273–2285, Dec. 2012.
- [13] S. Hidayat and S. F. Firmanda, "Scheduler and voice recognition on home automation control system," in *2015 3rd International Conference on Information and Communication Technology (ICoICT)*, 2015, pp. 150–155.

- [14] R. G. Satriaji, “Perancangan Sistem Penjadwalan Perangkat Elektronik Berbasis Web Memanfaatkan Wireless Sensor Network,” Skripsi, Universitas Gadjah Mada, Yogyakarta, 2015.
- [15] J. Jennings, N. Colak, and F. Rubinstein, “Occupancy and Time-Based Lighting Controls in Open Offices,” *J. Illum. Eng. Soc.*, vol. 31, pp. 86–100, 2001.
- [16] P. Rashmi, S. RN Reddy, and R. M. Mehra, “Occupancy-Based Energy Management and Campus Monitoring using Wireless Sensor Network,” *Int. J. Eng. Technol.*, vol. 15, no. 1, pp. 56–70, 2015.
- [17] O. G. Santin, L. Itard, and H. Visscher, “The effect of occupancy and building characteristics on energy use for space and water heating in Dutch residential stock,” *Energy Build.*, vol. 41, no. 11, pp. 1223–1232, Nov. 2009.
- [18] A. Williams, B. Atkinson, K. Garbesi, E. Page, and F. Rubinstein, “Lighting Controls in Commercial Buildings,” *J. Illum. Eng. Soc.*, vol. 8, no. 3, pp. 161–180, 2012.
- [19] F. Haldi and D. Robinson, “On the unification of thermal perception and adaptive actions,” *Build. Environ.*, vol. 45, no. 11, pp. 2440–2457, Nov. 2010.
- [20] J. Seryak and K. Kisson, “Occupancy and behavioral affects on residential energy use,” in *Proceedings of the Solar conference*, 2003, pp. 717–722.
- [21] S. Lorente, “Key issues regarding Domotic applications,” in *2004 International Conference on Information and Communication Technologies: From Theory to Applications, 2004. Proceedings*, 2004, pp. 121–122.
- [22] F. Kazmierzak, “Smart Home Environment - Concepts and Solutions,” *SNET Proj.*, 2011.
- [23] A. H. Kazmi, M. J. O’grady, D. T. Delaney, A. G. Ruzzelli, and G. M. O’hare, “A Review of Wireless Sensor Network Enabled Building Energy Management Systems,” *ACM Trans. Sens. Netw. TOSN*, vol. 10, no. 4, p. 66, 2014.
- [24] A. Saad al-sumaiti, M. H. Ahmed, and M. M. Salama, “Smart Home Activities: a Literature Review,” *Electr. Power Compon. Syst.*, vol. 42, no. 3–4, pp. 294–305, 2014.
- [25] C. Bădică, M. Brezovan, and A. Bădică, “An Overview of Smart Home Environments: Architectures, Technologies and Applications,” *BCI Local CEUR-WSorg*, 2013.
- [26] I. F. Akyildiz and I. H. Kasimoglu, “Wireless sensor and actor networks: research challenges,” *Ad Hoc Netw.*, vol. 2, no. 4, pp. 351–367, Oct. 2004.
- [27] K. Padmanabh, A. Malikarjuna V., S. Sen, S. P. Katru, A. Kumar, S. P. C., S. K. Vuppala, and S. Paul, “iSense: A Wireless Sensor Network Based Conference Room Management System,” in *Proceedings of the First ACM*

- Workshop on Embedded Sensing Systems for Energy-Efficiency in Buildings*, New York, NY, USA, 2009, pp. 37–42.
- [28] H. Chen, P. Chou, S. Duri, H. Lei, and J. Reason, “The Design and Implementation of a Smart Building Control System,” in *IEEE International Conference on e-Business Engineering, 2009. ICEBE '09*, 2009, pp. 255–262.
- [29] H. Yang and H. Lee, “Lighting Scheduling for Energy Saving in Smart House Based on Life Log Data,” *Procedia Environ. Sci.*, vol. 22, pp. 403–413, 2014.
- [30] T. A. Nguyen and M. Aiello, “Beyond indoor presence monitoring with simple sensors,” in *International Conference on Pervasive and Embedded Computing and Communication Systems*, 2012, pp. 5–14.
- [31] V. Riquebourg, D. Menga, D. Durand, B. Marhic, L. Delahoche, and C. Loge, “The Smart Home Concept: Our Immediate Future,” in *2006 1ST IEEE International Conference on E-Learning in Industrial Electronics*, 2006, pp. 23–28.
- [32] A. Z. Alkar, H. S. Gecim, and M. Guney, “Web Based ZigBee Enabled Home Automation System,” in *2010 13th International Conference on Network-Based Information Systems (NBIS)*, 2010, pp. 290–296.
- [33] Q. Gong, G. Li, and Y. Pang, “Design and Implementation of Smart Home System Based on ZigBee Technology,” *Int. J. Smart Home*, vol. 8, no. 6, 2014.
- [34] P. T. R. F. Widiarsini, “Zigbee: Komunikasi Wireless Berdaya Rendah,” *Semin. Nas. Apl. Teknol. Inf. SNATI*, 2005.
- [35] A. A. Hopgood, Ed., *Intelligent Systems for Engineers and Scientists (2Nd Ed.)*. Boca Raton, FL, USA: CRC Press, Inc., 2001.
- [36] M. Negnevitsky, *Artificial Intelligence: A Guide to Intelligent Systems*, 1st ed. Boston, MA, USA: Addison-Wesley Longman Publishing Co., Inc., 2001.
- [37] T. Sharma, N. Tiwari, and D. Kelkar, “Study of Difference Between Forward and Backward Reasoning,” *Int. J. Emerg. Technol. Adv. Eng.*, vol. 2, no. 10, Oct. 2012.
- [38] A. Al-Ajlan, “The Comparison between Forward and Backward Chaining,” *Int. J. Mach. Learn. Comput.*, vol. 5, no. 2, pp. 106–113, Apr. 2015.
- [39] K. R. Baker and D. Trietsch, *Principles of Sequencing and Scheduling*, 1 edition. Hoboken, N.J: Wiley, 2009.
- [40] M. L. Pinedo, *Scheduling: Theory, Algorithms, and Systems*, 3rd ed. Springer Publishing Company, Incorporated, 2008.
- [41] Google, “Overview: Google Calendar API,” *Google Developers*. [Online]. Available: <https://developers.google.com/google-apps/calendar/>. [Accessed:

- 16-Nov-2015].
- [42] D. H. <dick.hardt@gmail.com>, “The OAuth 2.0 Authorization Framework.” [Online]. Available: <https://tools.ietf.org/html/rfc6749>. [Accessed: 16-Nov-2015].
- [43] “Using OAuth 2.0 to Access Google APIs,” *Google Developers*. [Online]. Available: <https://developers.google.com/identity/protocols/OAuth2>. [Accessed: 11-Dec-2015].
- [44] I. Sommerville, *Software Engineering*, 9 edition. Boston: Pearson, 2010.
- [45] “XAMPP Installers and Downloads for Apache Friends.” [Online]. Available: <https://www.apachefriends.org/index.html>. [Accessed: 07-Dec-2015].
- [46] “MySQL: MySQL 5.6 Reference Manual.” [Online]. Available: <http://dev.mysql.com/doc/refman/5.6/en/>. [Accessed: 08-Dec-2015].
- [47] “PHP: PHP Manual - Manual.” [Online]. Available: <https://secure.php.net/manual/en/>. [Accessed: 08-Dec-2015].
- [48] “Sublime Text - Download.” [Online]. Available: <http://www.sublimetext.com/3>. [Accessed: 08-Dec-2015].
- [49] “PHP Quickstart,” *Google Developers*. [Online]. Available: <https://developers.google.com/google-apps/calendar/quickstart/php>. [Accessed: 08-Dec-2015].