

DAFTAR PUSTAKA

- [1] Y. Zhu, L. Xie, and T. Yuan, “Monitoring system for forest fire based on wireless sensor network,” *Proc. 10th World Congr. Intell. Control Autom.*, pp. 4245–4248, 2012.
- [2] P. Tiwari, V. P. Saxena, R. G. Mishra, D. Bhavsar, P. Tiwari, V. P. Saxena, R. G. Mishra, and D. Bhavsar, “Wireless Sensor Networks : Introduction , Advantages , Applications and Research Challenges,” vol. 14, no. April, pp. 1–11, 2015.
- [3] W. Dargie and C. Poellabauer, *Fundamentals of Wireless Sensor Networks: Theory and Practice*. 2010.
- [4] Firdaus, “Pengantar Wireless Sensor Network.” [Online]. Available: <http://telekom.ee.uii.ac.id/index.php/berita/22-pengantar-wireless-sensor-network-bagian-2>. [Accessed: 06-Apr-2016].
- [5] G. J. Pottie, “Wireless sensor networks,” *1998 Inf. Theory Work. (Cat. No.98EX131)*, vol. 14, no. 5, pp. 139–140, 1998.
- [6] I. Hidayat and E. M. Saputra, “Perancangan Dan Realisasi Wireless Device Reminder Multi User Menggunakan Teknik Modulasi Digital Pada Modul Xbee Design And Realization Wireless Device Reminder Multi User Using Digital Modulation Techniques On The Xbee Module,” vol. 1, pp. 1–9.
- [7] J.-S. Lee, “Performance evaluation of IEEE 802.15.4 for low-rate wireless personal area networks,” *IEEE Trans. Consum. Electron.*, vol. 52, no. 3, pp. 742–749, 2006.
- [8] J. S. Lee, Y. W. Su, and C. C. Shen, “A comparative study of wireless protocols: Bluetooth, UWB, ZigBee, and Wi-Fi,” in *IECON Proceedings (Industrial Electronics Conference)*, 2007, pp. 46–51.
- [9] N. A. Somani and Y. Patel, “Zigbee : a Low Power Wireless Technology for Industrial,” *Int. J. Control Theory Comput. Model.*, vol. 2, no. May, pp. 27–33, 2012.
- [10] D. I. Inc., “XBee/XBee-Pro ZB RF Modules Product Manual,” 2014. [Online]. Available: <http://www.digi.com>. [Accessed: 06-Apr-2016].

- [11] D. I. Inc., “XBEE / XBEE-PRO ZB (S2B) MODULES.” [Online]. Available: <http://www.digi.com/support/productdetail?pid=4549>. [Accessed: 07-Apr-2016].
- [12] D. Kurniawan, “Perancangan Sistem Jaringan Sensor Nirkabel Berbasis Arduino dan Zigbee untuk Mendeteksi Penebangan Liar,” universitas Gadjah Mada, 2016.
- [13] “Compare Board Specs.” [Online]. Available: <https://www.arduino.cc/en/Products/Compare>. [Accessed: 07-Nov-2016].
- [14] A. Harun, M. F. Ramli, L. M. Kamarudin, D. L. Ndzi, A. Y. M. Shakaff, A. Zakaria, and M. N. Jaafar, “Comparative performance analysis of wireless RSSI in wireless sensor networks motes in tropical mixed-crop precision farm,” *Proc. - 3rd Int. Conf. Intell. Syst. Model. Simulation, ISMS 2012*, pp. 606–610, 2012.
- [15] V. Mayalarp, “Wireless mesh networking with XBee,” *2nd ECTI-Conference ...*, no. July, 2010.
- [16] T. De Sales Bezerra, J. A. R. De Sousa, S. A. Da Silva Eleuterio, and J. S. Rocha, “Accuracy of propagation models to power prediction in WSN ZigBee applied in outdoor environment,” *2015 6th Argentine Conf. Embed. Syst. CASE 2015*, pp. 19–24, 2015.
- [17] T. Stoyanova, F. Kerasiotis, A. Prayati, and G. Papadopoulos, “A practical RF propagation model for wireless network sensors,” in *Proceedings - 2009 3rd International Conference on Sensor Technologies and Applications, SENSORCOMM 2009*, 2009, pp. 194–199.
- [18] A. Fanimokun and J. Frolik, “Effects of natural propagation environments on wireless sensor network coverage area,” in *Proceedings of the Annual Southeastern Symposium on System Theory*, 2003, vol. 2003-Janua, pp. 16–20.
- [19] U. G. Mada, “Laboratorium Kehutanan(Wanagama).” [Online]. Available: <http://www.ugm.ac.id/id/p2m/3533-laboratorium.kehutanan>. [Accessed: 01-Jan-2016].
- [20] Y. S. Meng, Y. H. Lee, and B. C. Ng, “Empirical near ground path loss

modeling in a forest at VHF and UHF bands,” *IEEE Trans. Antennas Propag.*, vol. 57, no. 5, pp. 1461–1468, 2009.