













- [4] N. C. Bantayan, "Integrating Radio-Frequency Identification (RFID) and Geomatics Towards Precision Forestry Integrating Radio-Frequency Identification (RFID) and," *Wulfenia J.*, vol. 22, no. May 2015, pp. 241–252, 2015.
- [5] D. P. Dykstra, G. Kuru, R. Taylor, R. Nussbaum, W. B. Magrath, and J. Story, "Technologies for Wood Tracking," *Environ. Soc. Dev. East Asia Pacific Reg. Discuss. Pap.*, p. 78, 2002.
- [6] S. Aboussaid, H. Benbihi, and Y. S. Alj, "RFID-based tracking system preventing trees extinction and deforestation," *Proc. - Int. Conf. Intell. Syst. Model. Simulation, ISMS*, pp. 610–614, 2013.
- [7] L. Czúni and P. Z. Varga, "Lightweight Acoustic Detection of Logging in Wireless Sensor Networks," pp. 120–125, 2014.
- [8] S. Mohdiwale, "Abnormal Activity Detection in Forest Reserve using Cumulative Short Time Fourier Transform Features," 2017 *Int. Conf. Intell. Sustain. Syst.*, no. Iciss, pp. 685–689, 2017.
- [9] P. G. Kalhara, V. D. Jayasinghearachchi, A. H. A. T. Dias, V. C. Ratnayake, C. Jayawardena, and N. Kuruwitaarachchi, "TreeSpirit: Illegal logging detection and alerting system using audio identification over an IoT network," 2017 11th *Int. Conf. Software, Knowledge, Inf. Manag. Appl.*, pp. 1–7, 2017.
- [10] W. C. Tsai, Y. J. Shih, T. M. Tsai, and J. J. Liaw, "An audio character recognition system for environmental monitoring message transmission over narrow band cellular network," *Proc. 2017 Int. Conf. Mach. Learn. Cybern. ICMLC 2017*, vol. 2, pp. 461–466, 2017.
- [11] P. Kocharoen, S. Nuanloy, and P. Nantivatana, "Designing Wireless Sensor Network for Detecting Chainsaw Noise in a Forested Watershed," 30th *Int. Tech. Conf. Circuits/Systems, Comput. Commun.*, 2015.
- [12] A. Dalvi and M. Dautapure, "'Undetected Detective to Protect the Forest Trees Against Poaching Using WSN Technology,'" vol. 3, no. 6, pp. 47–52, 2018.
- [13] M. R. M. Kassim and A. N. Harun, "Applications of WSN in agricultural environment monitoring systems," 2016 *Int. Conf. Inf. Commun. Technol. Converg. ICTC 2016*, pp. 344–349, 2016.
- [14] M. R. M. Kassim and A. N. Harun, "Using Wireless Sensor Network to determine pollination readiness of oil palm flower," *Proc. Int. Conf. Sens. Technol. ICST*, vol. 2016–March, pp. 59–64, 2016.
- [15] J. Liaw, C. Peng, Y. Chen, and W. Tsai, "A Novel Vibration-Based Real-Time Monitoring," *Mob. Wirel. Technol.*, pp. 581–588, 2018.
- [16] S. Hevner, Alan Chatterjee, "Design Research in Information System: Theory and Practice," in *Integrated Series in Information Systems, Integrated.*, Springer, 2012, p. 350.