DAFTAR PUSTAKA

[1]   W. P. Nel and C. J. Cooper, "Implications of fossil fuel constraints on economic growth and global warming," *Energy Policy*, vol. 37, no. 1, pp. 166–180, Jan. 2009.

[2]   S.-Y. Park and S.-H. Yoo, "The dynamics of oil consumption and economic growth in Malaysia," *Energy Policy*, vol. 66, no. 0, pp. 218–223, Mar. 2014.

[3]   Y. Xing, E. W. M. Ma, K. L. Tsui, and M. Pecht, "Battery Management Systems in Electric and Hybrid Vehicles," *Energies*, vol. 4, pp. 1840–1857, 2011.

[4]   L. Lu, X. Han, J. Li, J. Hua, and M. Ouyang, "A review on the key issues for lithium-ion battery management in electric vehicles," *J. Power Sources*, vol. 226, pp. 272–288, 2013.

[5]   J. Chiasson and B. Vairamohan, "Estimating the State of Charge of a Battery," *IEEE Trans. Control Syst. Technol.*, vol. 13, no. 3, pp. 465–470, 2005.

[6]   K. Soon, C. Moo, Y. Chen, and Y. Hsieh, "Enhanced coulomb counting method for estimating state-of-charge and state-of-health of lithium-ion batteries," *Appl. Energy*, vol. 86, no. 9, pp. 1506–1511, 2009.

[7]   X. Hu, F. Sun, and Y. Zou, "Estimation of State of Charge of a Lithium-Ion Battery Pack for Electric Vehicles Using an Adaptive Luenberger Observer," *Energies*, vol. 3, pp. 1586–1603, 2010.

[8]   G. L. Plett, "Extended Kalman filtering for battery management systems of LiPB-based HEV battery packs Part 1 . Background," *J. Power Sources*, vol. 134, pp. 252–261, 2004.

[9]   S. Yuan, H. Wu, and C. Yin, "State of Charge Estimation Using the Extended Kalman Filter for Battery Management Systems Based on the ARX Battery Model," *Energies*, vol. 6, pp. 444–470, 2013.

[10]   R. Xiong, X. Gong, C. Chris, and F. Sun, "A robust state-of-charge estimator for multiple types of lithium-ion batteries using adaptive extended Kalman fi lter," *J. Power Sources*, vol. 243, pp. 805–816, 2013.

[11]   H. Wu, S. Yuan, and C. Yin, "Online state of charge estimation based on adaptive extended kalman filter and linear parameter-varying model with recursive least square technique," *IEEE Trans. Veh. Technol.*, pp. 1–34.

[12] V. G. Asutkar, B. M. Patre, and T. K. Basu, "Kalman filter approach for identification of linear fast Time-Varying processes," *Control, Automation, Communication and Energy Conservation, 2009. INCACEC 2009. 2009 International Conference on*. pp. 1–5, 2009.

[13] R. Xiong, F. Sun, Z. Chen, and H. He, "A data-driven multi-scale extended Kalman filtering based parameter and state estimation approach of lithium-ion polymer battery in electric vehicles," *Appl. Energy*, vol. 113, pp. 463–476, 2014.

[14] F. Codeca, S. M. Savaresi, and V. Manzoni, "The mix estimation algorithm for battery State-of-Charge estimator- Analysis of the sensitivity to measurement errors.," *Decision and Control, 2009 held jointly with the 2009 28th Chinese Control Conference. CDC/CCC 2009. Proceedings of the 48th IEEE Conference on*. pp. 8083–8088, 2009.

[15] F. Codeca, S. M. Savaresi, and G. Rizzoni, "On battery State of Charge estimation: A new mixed algorithm," *Control Applications, 2008. CCA 2008. IEEE International Conference on*. pp. 102–107, 2008.

[16] J. Xu, C. C. Mi, B. Cao, J. Deng, Z. Chen, and S. Li, "The State of Charge Estimation of Lithium-Ion Batteries Based on a Proportional-Integral Observer," *Vehicular Technology, IEEE Transactions on*, vol. 63, no. 4. pp. 1614–1621, 2014.

[17] Valer Pop, *Battery Management Systems: Accurate State-of-Charge Indication for Battery-Powered Applications*, 9th ed. Eindhoven: Springer, 2008.

[18] S. Barrett, P. W. D. Bishop, and G. R. Johnson, "Management of battery charging through coulomb counting." Google Patents, 2011.

[19] I. Buchman, *Batteries in a Portable World*. Cadex Electronics, 1997.

[20] A. Nugroho, "Purwarupa Charger Baterai Multi Tegangan Berbasis Mikrokontroler AT Mega 16," Gadjah Mada University, 2011.

[21] H. J. Bergveld, *Battery Management Systems Design by Modelling*. Eindhoven: Philip Research, 2001.

[22] G. J. Silva and A. Datta, *PID Controller for Time-Delay System*. Boston: Birkhauser, 2004.

[23] R. P. Canale and S. C. Chapra, *Numerical Methods for Engineers*, 6th ed. New York: McGraw-Hill, 2010.

[24]   Y. Zhang, C. Zhang, and N. Cui, "An Adaptive Estimation Scheme for Open-Circuit Voltage of Power Lithium-Ion Battery," *Hindawi - Appl. Anal.*, vol. 4, 2013.

[25]   H. Rahimi-eichi, F. Baronti, "Online Adaptive Parameter Identification and State-of-Charge Coestimation for Lithium-Polymer Battery Cells," *IEEE Trans. Ind. Electron.*, vol. 61, no. 4, pp. 2053–2061, 2014.

[26]   Hongwen He, R. Xiong, and Jinxin Fan, "Evaluation of Lithium-Ion Battery Equivalent Circuit Models for State of Charge Estimation by an Experimental Approach," *Energies.*, vol. 4, no. 1, pp. 582-598, 2011.

[27]   H. He, X. Zhang, R. Xiong, Y. Xu, and H. Guo, "Online model-based estimation of state-of-charge and open-circuit voltage of lithium-ion batteries in electric vehicles," *Energy*, vol. 39, no. 1, pp. 310–318, 2012.