

## Daftar Pustaka

- [1] ZAINURI, Fuad; APRIANA, Asep; HARYADI, Dedi Dwi. Optimalisasi Rancang Bangun Mobil Listrik Sebuah Studi Kendaraan Hemat Energi Sebagai Bagian Solusi Alternatif Krisis Energi Dunia. *Jurnal Poli-Teknologi*, 2015, 14.3.
- [2] Pusat Teknologi Material. 2018. Teknologi Baterai Isi Ulang (<https://ptm.bppt.go.id/publikasi/ulasan/250-teknologi-baterai-isi-ulang>, diakses 23 Agustus 2020)
- [3] HUO, Yutao, et al. Investigation of power battery thermal management by using mini-channel cold plate. *Energy Conversion and Management*, 2015, 89: 387-395..
- [4] KEIL, Peter; JOSSEN, Andreas. Charging protocols for lithium-ion batteries and their impact on cycle life—An experimental study with different 18650 high-power cells. *Journal of Energy Storage*, 2016, 6: 125-141.
- [5] VO, Thanh Tu, et al. New charging strategy for lithium-ion batteries based on the integration of Taguchi method and state of charge estimation. *Journal of Power Sources*, 2015, 273: 413-422.
- [6] VAN DONGEN, R. C. Li-Ion Charger for Implantable Devices-Selection of optimal charge algorithm and implementation. 2012.
- [7] HE, Yao, et al. A new model for State-of-Charge (SOC) estimation for high-power Li-ion batteries. *Applied Energy*, 2013, 101: 808-814.
- [8] TOMASZEWSKA, Anna, et al. Lithium-ion battery fast charging: a review. *ETransportation*, 2019, 1: 100011.

- [9] SUSANTI, Indah. ANALISA PENENTUAN KAPASITAS BATERAI DAN PENGISIANNYA PADA MOBIL LISTRIK. *Jurnal Elektra*, 2019, 4.2: 29-37.
- [10] ANSEÁN, D., et al. Fast charging technique for high power lithium iron phosphate batteries: A cycle life analysis. *Journal of Power Sources*, 2013, 239: 9-15.
- [11] MUHAMMAD, Rizki Rifano. MODIFIKASI ALGORITMA TEKNIK CONSTANT CURRENT—CONSTANT VOLTAGE DENGAN PENAMBAHAN TEMPERATURE FEEDBACK UNTUK PENINGKATAN PERFORMA FAST CHARGING BATERAI LITHIUM-ION. 2020. PhD Thesis. Universitas Andalas.
- [12] SIHOMBING, Jeremiah Andreas Bargain; YUWONO, Sigit; EKAPUTRI, Cahyantari. Multicharger Menggunakan Input Ac Dan Dc Dengan Output Dc. *eProceedings of Engineering*, 2018, 5.3.
- [13] KOES INDRAKOESOEMA, K. I.; ADIN SUDIRMAN, A. S. M.; EDISON, Edison. EVALUASI RIPPLE TEGANGAN PADA PENYEARAH GELOMBANG BTU11 DAN BTU31 RSG GA. SIWABESSY. In: *Prosiding Seminar Nasional Teknologi dan Aplikasi Reaktor Nuklir. PRSG-BATAN*, 2016.
- [14] ANDRI, Helly. Rancang A Bangun System Battery Charging Automatic. *Skripsi Jurusan Teknik Elektro. Depok. Universitas Indonesia*, 2010.
- [15] ATMAM, Atmam. PENGGUNAAN FILTER KAPASITIF PADA RECTIFIER SATU PHASA DAN TIGA PHASA MENGGUNAKAN POWER SIMULATOR (PSIM). *SainETIn*, 2017, 2.1: 18-26.
- [16] HIDAYAT, SAHRUL, et al. Sintesis polianilin dan karakteristik kerjanya sebagai anoda pada sistem baterai asam sulfat. *Jurnal Material dan Energi Indonesia*, 2016, 6.01: 20-26.

- [17] TARIQ, Mohd, et al. Aircraft batteries: current trend towards more electric aircraft. *IET Electrical Systems in Transportation*, 2016, 7.2: 93-103.
- [18] FEBRIANSYAH, M. Khafid. Analisis Rectifier pada generator sinkron permanen magnet (PMSG) tipe radial 3 fasa untuk pengisian baterai lithium-ion 3, 7 v. PhD Thesis. FAKULTAS TEKNIK.
- [19] FARIZY, Ahmad Faiz. Desain Sistem Monitoring State Of Charge Baterai Pada Charging Station Mobil Listrik Berbasis Fuzzy Logic Dengan Mempertimbangkan Temperature. 2016. PhD Thesis. Institut Teknologi Sepuluh Nopember.
- [20] ANSHORI, Amar; SISWOJO, Bambang; HASANAH, Rini Nur. Teknik Fast Charging Baterai Lithium-Ion Menggunakan Logika Fuzzy. *Jurnal Ecotipe (Electronic, Control, Telecommunication, Information, and Power Engineering)*, 2020, 7.1: 26-37.
- [21] LI, Jianchao, et al. The battery management system construction method study for the power lithium-ion battery pack. In: 2017 2nd International Conference on Robotics and Automation Engineering (ICRAE). IEEE, 2017. p. 285-289.
- [22] BOTSFORD, Charles; SZCZEPANEK, Adam. Fast charging vs. slow charging: Pros and cons for the new age of electric vehicles. In: *International Battery Hybrid Fuel Cell Electric Vehicle Symposium*. 2009.
- [23] DOUGHTY, Daniel H.; ROTH, E. Peter. A general discussion of Li ion battery safety. *Electrochemical Society Interface*, 2012, 21.2: 37.
- [24] BRAND, Martin, et al. Electrical safety of commercial Li-Ion cells based on NMC and NCA technology compared to LFP technology. *World Electric Vehicle Journal*, 2013, 6.3: 572-580.
- [25] OMARIBA, Zachary Bosire, et al. Parameter Identification and State

Estimation of Lithium-Ion Batteries for Electric Vehicles with Vibration and Temperature Dynamics. *World Electric Vehicle Journal*, 2020, 11.3: 50.

- [26] Battery University . 2019. “BU-502: Discharging at High and Low Temperatures”,(O),J2019  
([https://batteryuniversity.com/learn/article/discharging\\_at\\_high\\_and\\_low\\_temperatures](https://batteryuniversity.com/learn/article/discharging_at_high_and_low_temperatures), diakses 8 Maret 2020).
- [27] NOTTEN, Peter HL; HET VELD, JHG Op; VAN BEEK, J. R. G. Boostcharging Li-Ion batteries: A challenging new charging concept. *Journal of Power Sources*, 2005, 145.1: 89-94.
- [28] ZHANG, Caiping, et al. Charging optimization in lithium-ion batteries based on temperature rise and charge time. *Applied energy*, 2017, 194: 569-577.
- [29] AMRULLAH, Ahmad Afief; SETYANTO, Arief; SUDARMAWAN, Sudarmawan. Studi Komparatif Dua Model Skema Sistem Smart Charging Eksternal untuk Laptop. *Jurnal Dinamika Informatika*, 2020, 9.1: 15-27.
- [30] Aziz, Ibnu. 2019. Cara Mengatasi & Mencegah baterai Panas (Overheat). (<https://tirto.id/cara-mengatasi-mencegah-ponsel-panas-overheat-kasus-non-gaming-emgb>, diakses pada 2 juni 2020)
- [31] ARFIANTO, Diaz Ficry. Pemantauan, Proteksi, dan Ekualisasi Baterai Lithium-Ion Tersusun Seri Menggunakan Konverter Buck-Boost dan LC Seri dengan Kontrol Synchronous Phase Shift. 2016. PhD Thesis. Institut Teknologi Sepuluh Nopember.
- [32] FITRIANDI, Afrizal; KOMALASARI, Endah; GUSMEDI, Herri. Rancang Bangun Alat Monitoring Arus dan Tegangan Berbasis Mikrokontroler dengan SMS Gateway. *Jurnal Rekayasa dan Teknologi Elektro*, 2016, 10.2: 87-98.

- [33] Rudiantmadja, Iwan. RANCANG BANGUN DAN MONITORING CHARGER BATERAI DENGAN METODE CHARGING OTOMATIS MENGGUNAKAN RANGKAIAN SENSOR TEGANGAN DAN REGULATOR ARUS BERBASIS ARDUINO MEGA 2560. Diss. undip, 2018.
- [34] Lubis, Zulkarnain, et al. "ANALISA PERANCANGAN ALAT PENGAMAN LISTRIK PADA PENGUAT AUDIO MENGGUNAKAN SENSOR TEMPERATUR DAN SENSOR ARUS." Seminar Nasional Teknik (SEMNASSTEK) UISU. Vol. 2. No. 1. 2019.

