

DAFTAR PUSTAKA

- Abioye, A., M., Ani, F., N., 2015, 'Recent development in the production of activated carbon electrodes from agricultural waste biomass for supercapacitors: A review', *Renewable and Sustainable Energy Reviews*, Vol.52, pp. 1282–1293
- Carriedo, G., A., 'The use of Cyclic Voltammetry In the Study Of the Chemistry of Metal Carbonil. An Introductory Experiment'. *Chem.edu*
- Chen, T., Dai, L., 2013, 'Carbon nano materials for high performance supercapacitors', *Materials Today*, Vol.16, pp.272-280
- Das, R., Sarkar, S., 2015, 'X-ray diffraction analysis of synthesized silver nano hexagon for the study of their mechanical properties', *Materials Chemistry and Physics*, Vol.167, pp.97-102
- Farma, R., Deraman, M., Awitdrus, A., Talib, A., Taer, E., Basri, N., H., Manjunatha, J., G., Ishak, M., M., Dollah, B., N., M., Hashmi, S., A., 2013, 'Preparation of highly porous binderless activated carbon electrodes from fibres of oil palm empty fruit bunches for application in supercapacitors', *Bioresource Technology*, Vol.132, pp. 254–261
- Frackowiak, E., Abbas, Q., Beguin, F., 2013, 'Carbon/carbon supercapacitors', *Journal of Energy Chemistry*, Vol.22, pp. 226–240
- Fujishige, M., Yoshida, I., Toya, Y., Banba, Y., Oshida, K., Tanaka, Y., Dulyaseree, P., Wongwiriyan, W., Takeuchi, K., 2017, 'Preparation of activated carbon from Bamboo-cellulose fiber and its use for EDLC electrode material', *Environmental Chemical Engineering*.

García, P., G., 2017, 'Activated carbon from lignocellulosics precursors: A review of the synthesis methods, characterization techniques and applications', *Renewable and Sustainable Energy Reviews*

Guerrero, M.A., Romero, E., Barrero, F., Milanes, M.I., Gonzales, E., "Power Electronics & Electric Systems (PE&ES)", School of Industrial Engineering (University of Extremadura)

Hidayu, A.R., Mohamad, N.F., Matali, S., Sharifah, A.S.A.K., 2013, 'Characterization of activated carbon prepared from oil palm empty fruit bunch using BET and FT-IR techniques', *Procedia Engineering* 68,379-384.

Kamikuri, N., Hamasuna, Y., Tashima, D., Fukuma, M., Kumagai S., Madden J., D., W., 2014, 'Low-cost Activated Carbon Materials Produced from Used Coffee Grounds for Electric Double-layer Capacitors', *International Journal of Engineering Science and Innovative Technology (IJESIT)*, Vol.3, hh. 492-501

Kang, X., Zhu, H., Wang, C., Sun, K., Yin, J., 2018, 'Biomass derived hierarchically porous and heteroatom-doped carbons for supercapacitors', *Journal of Colloid and Interface Science*, Vol.509, hh.369–383

Kerdsuwan, Somrat., Laohalidanond, Krongkaew. 2011. 'The Waste Incineration Research Center'. Department of Mechanical and Aerospace Engineering. King Mongkut's University of Technology North Bangkok.

Kwiatkowski, M., Broniek, E., 2017, 'An Analysis Of The Porous Structure Of Activated Carbons Obtained From Hazelnut Shells By Various Physical And Chemical Methods Of Activation', *Colloids and Surfaces A*

Lee, K., S., Park, M., Park, C., W., Kim, J., 2017, 'Sustainable fabrication of nitrogen activated carbon from chlorella vulgaris for energy storage devices', *Colloids and Surfaces A*

Li, X., Wei, B., 2013, 'Supercapacitors based on nanostructured carbon', *Nano Energy*, Vol. 2, hh. 159–173

Mison, I.I., Khairiyah, N., Radhiyah, M.Z., Baiju, A.A., Jose, V.R., 2015, 'Electrochemical properties of carbon from oil palm kernel shell for high performance supercapacitors', *Electrochimica Acta*, vol.174 no.1, pp.78-86

Momodu, D., Madito, M., Barzegar, F., Bello, A., Khaleed, A., Olaniyan, O., Dangbegnon J., Manyala N., 2016, Activated carbon derived from tree bark biomass with promising material properties for supercapacitors, *J Solid State Electrochem*

Mutalib, M., A., Rahman, M., A., Othman, M., H., D., Ismail, A., F., Jaafar, J., 2017, 'Scanning Electron Microscopy (SEM) and Energy-Dispersive X-Ray (EDX) Spectroscopy', *Elsevier*, Chapter 9, Malaysia

Natalia, M., Sudhakar, Y., N., Selvakumar, M., 2013, 'Activated carbon derived from natural sources and electrochemical capacitance of double layer capacitor', *Indian Journal of Chemical Technology*, Vol. 20, hh.392-399

Pagketananga, T., Artanaseawa, A., Wongwichaa, P., Thabuota, M., 2015, 'Microporous Activated Carbon from KOH-Activation of Rubber Seed-Shells for Application in Capacitor Electrode', *Energy Procedia*, Vol.79, hh.651 – 656

Pandolfo, A., G., Hollenkamp, A., F., 2006, 'Carbon properties and their role in supercapacitors', *Journal of Power Sources*, Vol.157, hh.11–27

Rawal, S., Joshi, B., dan Kumar, Y., 2018 'Synthesis and characterization of activated carbon from the biomass of *Saccharum bengalense* for electrochemical supercapacitors', *Journal of Energy Storage*. Elsevier vol.20, pp.418–426

- Revoa, S., L., Budzulyak, I., M., Rachiy, B., I., and Kuzishin, M., M., 2013 'Electrode Material for Supercapacitors Based on Nanostructured Carbon', *Surface Engineering and Applied Electrochemistry*, Vol. 49, hh. 68–72
- Staafn, L., G., H., Lundgren, P., Enoksson, P., 2014, 'Present and future supercapacitor carbon electrode materials for improved energy storage used in intelligent wireless sensor systems', *Nano Energy*, Vol. 9, hh.128–141
- Sun, F., Gao, J., Liu, X., Pi, X., Yang, Y., Wu, S., 2016, 'Porous carbon with a large surface area and an ultrahigh carbon purity via templating carbonization coupling with KOH activation as excellent supercapacitor electrode materials', *Applied Surface Science*, Vol.387, hh. 857–863
- Taer, E., Sugianto, M.A Sumantre, Taslim, R., Iwantono., Dahlan, D., Deraman, M. 2014. Egg Shell Membrane as Natural Separator For Supercapacitor Applications. *Advanced Materials Research* Vol 896.
- Taer, E., Taslim, R., Aini, Z., Hartati, S D., Mustika, W S. 2017. Activated Carbon Electrode From Banana-peel Waste For Supercapacitor Application. *AIP Conference Proceedings* 1801,040004.
- Taer, E., Dewi, P., Sugianto, R., Syech, R., Taslim, Salomo, Purnama, Apriwandi, Agustino, Setiadi. 2018. The Synthesis of Carbon Electrode Supercapacitor From Durian Shell Based on variations in the Activation Time. *AIP Conference Proceeding* 1927.
- Tagreed, M.A.S., dan Mustafa, A., K., J., 2015, 'Preparation and Characterization of Graphene / PMMA Composite', *Chemical Engineering* vol., no.10, pp.902–909
- Tetra, O., N., Aziz, H., Emriadi, Wahyuni, H., Alif, A., 2016 'Performance of TiO₂-Carbon on Ceramic Template with Sodium Hydroxide Activation as Supercapacitor Electrode Materials', *Der Pharma Chemica*, Vol.8, hh.26-30

Wei, L., Yushin, G., 2012, 'Nanostructured activated carbons from natural precursors for electrical double layer capacitors', *Nano Energy*, Vol.1, hh.552-565

Whitten, K. W., Davis, R. E., Peck, M. L., Stanley, G. G., *General Chemistry, 7th edition*, Thompson Brooks/Cole, 2004, USA.

Yang, I., Kim, S., G., Kwon, S., H., Lee, J., H., Kim, M., Jung, J., C., 2016, 'Pore size-controlled carbon aerogels for EDLC electrodes in organic electrolytes', *Current Applied Physics*, Vol. 16, 665-672

Zhi, M., Xiang, C., Li, J., Li, M., Wu, N., 2013, 'Nanostructured carbon-metal oxide composite electrodes for supercapacitors: a review', *Nanoscale*, Vol.5, hh.72-88

Zheng, K., Li, Y., Zhu, M., Yu, X., Zhang, M., Shi, L. 2017. The porous Carbon Derived From Water Hyacinth with Well Designed Hierarchical Structure For Supercapacitors. *Journal of Power Sources* 336 page 270-277.

Zhong, X., Tang, J., Cao, L., Kong, W., Sun, Z., Cheng, H., Lu, Z., Pan H., Xu, B., 2017, 'Cross-linking of polymer and ionic liquid as high-performance gel electrolyte for flexible solid-state supercapacitors', *Electrochimica Acta*

