

DAFTAR PUSTAKA

- Appels, R., Muthirayan, B., Beerten, A., Paesen, R., Driesen, P. J., 2012. *The effect of dust deposition on photovoltaic modules*. Texas: 38th IEEE Photovoltaic Specialists Conference (PVSC), 3–8 June.
- Brophy, B., Abrams, Z. R., Gonsalves, P., Christy, K., 2015. *Field performance and persistence of anti-soiling coatings on photovoltaic glass*. United States of America : Enki Technology.
- Cuddihy, E.F., 1983. *Surface soiling: theoretical mechanisms and evaluation of low soiling coatings*.
- Cuddihy, E. F., 1980. *Theoretical considerations of soil retention*. United States of America: Jet Propulsion Laboratory, California Institute of Technology, Pasadena.
- Drelich, J dan Chibowski, E., 2010. *Superhydrophilic and Superwetting Surfaces: Definition and Mechanisms of Control*. Washington : American Chemical Society.
- El-Nashar, A. M., 1994. *The effect of dust accumulation on the performance of evacuated tube collectors*. United Arab Emirates: International Solar Energy Society.
- Gupta, V., Sharma, M., Pachauria, R. K., dan Dinesh B. K.N., 2019. *Comprehensive review on effect of dust on solar photovoltaic system and mitigation techniques*. India : EED, School of Engineering, University of Petroleum and Energy Studies, Dehradun.

Haeberlin, H., Graf, J. D., 1998. *Gradual reduction of PV generator yield due to pollution*. Australia: Proceedings of the 2nd World Conference on Photovoltaic Solar Energy Conversion 1998.

Handini, W., 2008. *Performa Sel Surya*. Indonesia: Fakultas Teknik Universitas Indonesia.

He, G., Zhou, C., Li, Z., 2011. *Review of Self-Cleaning Method for Solar Cell Array*. China : School of Mechanical and Power Engineering, Chongqing University of Science and Technology.

Helioscope, 2020, Project

Available at: <https://www.helioscope.com/projects/1359713> [Accessed 20 Juli 2020].

Jamil, W. J., Rahman, H.A., Shaari, S., Salam, Z., 2017. *Performance degradation of photovoltaic power system: Review on mitigation methods*. Malaysia: Centre of Electrical Energy System (CEES), Institute of Future Energy (IFE), Universiti Teknologi Malaysia (UTM).

Ju, F., Fu, X., 2011. *Research on impact of dust on solar photovoltaic (PV) performance*. China: *International Conference on Electrical and Control Engineering (ICECE)*, Yichang.

Karassik, I. J., Messina, J. P., Cooper, P., Heald, C. C., 2001. *Pump Handbook, 3rd Edition*. United States of America : The McGraw-Hill Companies, Inc.

- Khoo, Y. S., Nobre, A., Malhotra, R., Yang, R., Rüther, R., Reindl, T., Aberle, A. G.,
2014. *Optimal Orientation and Tilt Angle for Maximizing in-Plane Solar
Irradiation for PV Applications in Singapore*. Singapore : IEEE.
- Kimber, A., 2007. *The effect of soiling on photovoltaic systems located in arid climates*.
Jerman : Proceedings of the 22nd European PV Solar Energy.
- Lynn, P. A., 2010. *Electricity from Sunlight: An Introduction to Photovoltaics*.
United Kingdom : John Wiley & Sons, Ltd., Publication.
- Mazumder, M., Horenstein, M. N., Stark, J.W., Girouard, P., Sumner, R., Sadler, O.,
Hidetaka, I., Biris, A. S., 2007. *Characterization of Electrodynamic Screen
Performance for Dust Removal from Solar Panels and Solar Hydrogen
Generators*. United States of America : IEEE Transactions on Industry
Applications.
- Mohamed, A.O dan Hasan, A., 2012. *Effect of dust accumulation on performance of
photovoltaic solar modules in Sahara environment*. Libya: Scopus.
- Moharram, K. A., Abd-Elhady, M. S., Kandil, H. A., El-Sherif, H., 2013. *Influence of
cleaning using water and surfactants on the performance of photovoltaic
panels*. Mesir : Elsevier Ltd.
- Mott, R. L., 1990. *Applied Fluid Mechanics, 3rd Edition*. New York : Merrill
Machimillan Publishing CO.
- Nesbitt, B., 2006. *Handbook of Pumps and Pumping*: Pumping Manual International.
United Kingdom : Elsevier Science Ltd.

Pavan, A. M., Mellit, A., Pieri, D. D., 2011. *The effect of soiling on energy production for large-scale photovoltaic plants*. Italia: Elsevier Ltd.

Plante, H., 2014. *Solar Energy, Photovoltaics, and Domestic Hot Water*.

San Diego : Academic Press.

Qasem, Hassan., Betts, T. R., Müllejans, H., AlBusairi, H., Gottschalg, R., 2012. *Dust-induced shading on photovoltaic modules*. Kuwait : John Wiley & Sons, Ltd.

SERBOT, 2020, Solar Panels Cleaning

Available at: <http://www.serbot.ch/en/solar-panels-cleaning/pvclean-robot>

[Accessed 3 Agustus 2020].

Shimizu, 2018, Pompa Sumur Dalam PC-503 BIT

Available at: <https://www.shimizu.co.id/product/pc-503-bit/>

[Accessed 28 Juli 2020].

Smith, M. K., Wamser, C. C., James, K. E., Moody, Seth., Sailor, D. J., Rosenstiel, T. N., 2013. *Effects of Natural and Manual Cleaning on Photovoltaic Output*. Portland : Solar Energy Division of ASME.

Solar Facts and Advice, 2010,

Available at: <https://www.solar-facts-and-advice.com/solar-panel-cleaning.html>07/01/2014

[Accessed 3 Agustus 2020].

Solargis, 2020, Solar resource maps of Indonesia

Available at: <https://solargis.com?maps-data-and-gis/download/indonesia>

[Accessed 28 Juli 2020].

Sularso, A dan Tahara, H., 2000. *Pompa & Kompresor*. Jakarta : PT Pradnya Paramita.

Tejwani, R., dan Solanki, C. S., 2010. *360° sun tracking with automated cleaning system for solar PV modules*. United States of America: 35th IEEE Photovoltaic Specialists Conference.

Ullah, A., Amin, A., Haider, T., Saleem, Murtaza., Zafar Butt, Nauman., 2020. *Investigation of soiling effect, dust chemistry and optimum cleaning schedule for PV modules in Lahore, Pakistan*. Pakistan : Lahore University.

Venkateswari, R. dan Sreejith, S., 2017. *Factors influencing the efficiency of photovoltaic system*. India : School of Electrical Engineering, Vellore Institute of Technology.

Wuxi Suntech, 2017, POLYCRYSTALLINE SOLAR MODULE STP 275

Available at: <http://suntech-power.com/webfile/upload/2019/01-25/14-51-2702721949380699.pdf>

[Accessed 28 Juli 2020].