

DAFTAR PUSTAKA

- [1] O. Energi, *BPPT- Outlook Energi Indonesia 2017*. 2017.
- [2] V. Bostan, T. Tudorache, and G. Colt, "Improvement of solar radiation absorption of a PV panel using a Plane low concentration system," *2017 10th Int. Symp. Adv. Top. Electr. Eng. ATEE 2017*, pp. 778–781, 2017.
- [3] A. F. Morgera and V. Lughì, "Frontiers of photovoltaic technology: A Review," *IEEE*, pp. 115–121, 2015.
- [4] H. S. Kim, N. Okada, and K. Takigawa, "Advanced grid connected PV system with functions to suppress disturbance by PV output variation and customer load change," *Sol. Energy Mater. Sol. Cells*, vol. 67, no. 1–4, pp. 559–569, 2001.
- [5] A. S. Rodrigo, K. H. E. Perera, H. M. S. Priyadharshana, V. G. C. Priyanka, and R. A. R. A. Ranasinghe, "Cloud Images Capturing System for Solar Power Level Prediction," *Moratuwa Eng. Res. Conf. (MERCCon), 2015*, no. APRIL, pp. 301–305, 2015.
- [6] A. M. Foley, P. G. Leahy, A. Marvuglia, and E. J. McKeogh, "Current methods and advances in forecasting of wind power generation," *Renew. Energy*, vol. 37, no. 1, pp. 1–8, 2012.
- [7] T. P. Chang, "Output energy of a photovoltaic module mounted on a single-axis tracking system," *Appl. Energy*, vol. 86, no. 10, pp. 2071–2078, 2009.
- [8] S. Dev, S. Member, Y. H. Lee, and S. Member, "Color-Based Segmentation of Sky / Cloud Images From Ground-Based Cameras," vol. 10, no. 1, pp. 231–242, 2017.
- [9] V. Kostylev and A. Pavlovski, "Solar Power Forecasting Performance - Towards Industry Standards," *1st Int. Work. Integr. Sol. Power into Power Syst. Aarhus, Denmark*, 2011.

- [10] Z. El Jaouhari and Y. Zaz, “Cloud Tracking from Whole-Sky Ground-based Images,” 2015.
- [11] K. Stefferud, J. Kleissl, and J. Schoene, “Solar forecasting and variability analyses using sky camera cloud detection & motion vectors,” *IEEE Power Energy Soc. Gen. Meet.*, pp. 1–6, 2012.
- [12] R. W. Saunders and K. T. Kriebel, “An improved method for detecting clear sky and cloudy radiances from AVHRR data,” *Int. J. Remote Sens.*, vol. 9, no. 1, pp. 123–150, 1988.
- [13] H. Y. Cheng and C. C. Yu, “Solar irradiance now-casting with ramp-down event prediction via enhanced cloud detection and tracking,” *Proc. - IEEE Int. Conf. Multimed. Expo*, vol. 2016–August, 2016.
- [14] R. A. Frey *et al.*, “Cloud detection with MODIS. Part I: Improvements in the MODIS cloud mask for Collection 5,” *J. Atmos. Ocean. Technol.*, vol. 25, no. 7, pp. 1057–1072, 2008.
- [15] C. Kanan and G. W. Cottrell, “Color-to-grayscale: Does the method matter in image recognition?,” *PLoS One*, vol. 7, no. 1, 2012.
- [16] S. Dutta and B. B. Chaudhuri, “A Color Edge Detection Algorithm in RGB Color Space,” *2009 Int. Conf. Adv. Recent Technol. Commun. Comput.*, pp. 337–340, 2009.
- [17] K. Tadjine and D. Rekioua, “Photovoltaic panels characteristics under shadows,” *Proc. 2016 Int. Renew. Sustain. Energy Conf. IRSEC 2016*, pp. 873–878, 2017.
- [18] B. N. Kusuma, D. B. Santoso, S. Shaddiq, F. D. Wijaya, I. Ardiyanto, and Y. Indonesia, “An Optimal Design of Solar Water Pump System with Considering Cost and Effectiveness: Indonesian Perspective,” *Int. Conf. Syst. Eng. Innov.*, vol. 1, no. 2016, pp. 96–107, 2017.
- [19] Z. Zhen, F. Wang, Z. Mi, Y. Sun, and H. Sun, “Cloud tracking and forecasting method based on optimization model for PV power forecasting,” *2015*

- Australas. Univ. Power Eng. Conf.*, pp. 1–4, 2015.
- [20] T. Sharma, “Performance Comparison Of Edge Detection Algorithms For Satellite Images Using Bigdata Platform Spark,” no. 1, 2016.
- [21] G. Saravanan, G. Yamuna, and S. Nandhini, “Real time implementation of RGB to HSV / HSI / HSL and its reverse color space models,” pp. 462–466, 2016.
- [22] Q. Zhang and C. Xiao, “Cloud detection of RGB color aerial photographs by progressive refinement scheme,” *IEEE Trans. Geosci. Remote Sens.*, vol. 52, no. 11, pp. 7264–7275, 2014.
- [23] J. Zhao and M. Liu, “A Color HSV Image Edge Detection Method Based on Gradient Extreme Value,” *2008 Second Int. Symp. Intell. Inf. Technol. Appl.*, pp. 381–384, 2008.
- [24] A. Radovan and Z. Ban, “Predictions of cloud movements and the sun cover duration,” *2014 37th Int. Conv. Inf. Commun. Technol. Electron. Microelectron. MIPRO 2014 - Proc.*, no. May, pp. 1210–1215, 2014.
- [25] T. Sharma, V. Shokeen, and S. Mathur, “Performance comparison of edge detection algorithms for satellite images using bigdata platform spark,” *India Int. Conf. Inf. Process. IICIP 2016 - Proc.*, no. 1, 2017.
- [26] A. Kadir and A. Susanto, *Teori dan Aplikasi Pengolahan Citra*, 1st ed. Yogyakarta: Penerbit Andi, 2013.
- [27] D. Putra, *Pengolahan Citra Digital*, 1st ed. Yogyakarta: ANDI OFFSET, 2010.
- [28] A. Kumar and F. Shaik, “Image processing in diabetic related causes,” *Image Process. Diabet. Relat. Causes*, pp. 1–56, 2015.
- [29] A. Division, “The Basis of RGB image composites.”
- [30] K. Jack, *Video Demystified*, 4th Editio. United Kingdom: Elsevier Ltd, 2005.
- [31] B. K. Joshi, “The Inversion of a Convolution Transform,” 1973.

- [32] R. Crane, *A Simplified Approach to Image Processing: Classical and Modern Techniques in C*. Prentice Hall PTR, 1997.
- [33] B. Jahne, *Digital Image Processing 6th revised and extended edition*. Berlin ,Heidelberg: Springer Publishing, 2005.
- [34] M. Petrou and C. Petrou, *Image Processing : The Fundamentals Image Processing* .United Kingdom: John Wiley & Sons Ltd, 2010.
- [35] A. R. Smith, *Gamma Correction*. Wasington DC: Microsoft Technology,1995.
- [36] D. Bradley and G. Roth, “Adaptive Thresholding using the Integral Image,” *J. Graph. Tools*, vol. 12, no. 2, pp. 13–21, 2007.
- [37] P. D. Wellner, “Adaptive thresholding for the Digital Desk,” *Xerox, EPC1993-110*, pp. 1–19, 1993.
- [38] T. Padova and K. L. Murdock, *Adobe Creative Suite 4 Bible*. Wiley, 2009.
- [39] A.-V. Diaconu and I. Sima, “Simple, XOR Based, Image Edge Detection,” *2013 Int. Conf. Electron. Comput. Artif. Intell. ECAI 2013*, no. ii, 2013.
- [40] N. Kumar, I. Hussain, B. Singh, and B. K. Panigrahi, “Rapid MPPT for Uniformly and Partial Shaded PV System by Using JayaDE Algorithm in Highly Fluctuating Atmospheric Conditions,” *IEEE Trans. Ind. Informatics*, vol. 13, no. 5, pp. 2406–2416, 2017.
- [41] S. Liu and R. A. Dougal, “Dynamic Multi-Physics Model for Solar Array,” *IEEE Power Eng. Rev.*, vol. 22, no. 5, p. 66, 2002.
- [42] T. O. Ting, K. L. Man, S. U. Guan, J. K. Seon, T. T. Jeong, and P. W. H. Wong, “Maximum Power Point Tracking (MPPT) via Weightless Swarm Algorithm (WSA) on cloudy days,” *IEEE Asia-Pacific Conf. Circuits Syst. Proceedings, APCCAS*, pp. 336–339, 2012.
- [43] S. Dev, Y. H. Lee, and S. Winkler, “Color-Based Segmentation of Sky/Cloud Images from Ground-Based Cameras,” *IEEE J. Sel. Top. Appl. Earth Obs. Remote Sens.*, vol. 10, no. 1, pp. 231–242, 2017.