

## DAFTAR PUSTAKA

- [1] Joshua John Henrik. Utilizing *NDVI* and Remote Sensing Data to Identify Spatial Variability in Plant Stress as Influenced by Management. Crop Production and Physiology, Master of Science. Iowa State University, Iowa, 2012.
- [2] Mark N. Merzlyak, Olga B. Chivkunova, T. B. Melø, dan K. Razi Naqvi. “Does a Leaf Absorb Radiation in the Near Infrared (780–900 nm) Region? A New Approach to Quantifying Optical Reflection, Absorption and Transmission of Leaves”. *Photosynthesis Research*, 72: 263–270, 2002.
- [3] Roberta Paradisoa, Esther Meinen, Jan F. H. Snel, Pieter De Visser, Wim Van Ieperen, Sander W. Hogewoning, dan Leo F. M. Marcelis. “Spectral dependence of photosynthesis and light absorbance in single leaves and canopy in rose”. *Scientia Horticulturae*, 127: 548–554, 2011.
- [4] J. O. Payero, C. M. U. Neale, dan J. L. Wright. “Comparison of Eleven Vegetation Indices for Estimating Plant Height of Alfalfa and Grass”. *Applied Engineering in Agriculture*, 20:385–393, 2004.
- [5] Marek Mróz dan Anna Sobieraj. “Comparison of Several Vegetation Indices Calculated on the Basis of a Seasonal Spot Xs Time Series, and Their Suitability for Land Cover and Agricultural Crop Identification”. *University of Warmia and Mazury*, 7:39-66, 2004.
- [6] C. L. Jones, P. R. Weckler, N. O. Maness, R. Jayasekara, M. L. Stone, dan D. Chrz. “Remote Sensing to Estimate Chlorophyll Concentration in Spinach Using Multi-Spectral Plant Reflectance”. *Transactions of the ASABE*, 50: 2267-2273, 2007.
- [7] Davide Cammarano, Glenn J. Fitzgerald, Raffaele Casa, dan Bruno Basso. “Assessing the Robustness of Vegetation Indices to Estimate Wheat N in Mediterranean Environments”. *Remote Sensing*, 6, 2827-2844, 2014.
- [8] Kang Yu, Victoria Lenz-Wiedemann, Georg Leufen, dan Mauricio Hunsche Georg Noga, Xinping Chen, dan Georg Bareth. “Assessing Hyperspectral Vegetation Indices for Estimating Leaf Chlorophyll Concentration of

- Summer Barley”. *XXII ISPRS Congress*, hal 89-94, Melbourne, 25 Agustus – 01 September 2012.
- [9] Volker Dworak, Joern Selbeck, Karl-Heinz Dammer, Matthias Hoffmann, Ali Akbar Zarezadeh, dan Christophe Bobda. “Strategy for the Development of a Smart *NDVI* Camera System for Outdoor Plant Detection and Agricultural Embedded Systems”. *Sensors*, 13:1523-153, 2013.
- [10] Valentine Lebourgeois, Agnès Bégué, Sylvain Labbé, Benjamin Mallavan, Laurent Prévot, dan Bruno Roux. “Can Commercial Digital Cameras Be Used as Multispectral Sensors? A Crop Monitoring Test”. *Sensors*, 8: 7300-7322, 2008.
- [11] Marcelinus A. S. Adhiwibawa, Yonathan E. Setiawan, Kestrilia R. Prilianti, dan Tatas H.P. Brotosudarmo. “Web Camera as Low Cost Multispectral Sensor for Quantification of Chlorophyll in Soybeans Leaves”. *Prosiding Seminar Internasional Photonics, Optics, and Its Applications*, hal.23 - 29, Bali, 14 Oktober – 15 Oktober, 2014.
- [12] Daniel I. Arnon. “Copper Enzymes in Isolated Chloroplasts. Polyphenoloxidase in Beta Bulgaris”. *Plant Physiology*, 24: 1-14, 1949.
- [13] Dong ju Liu, JianYu. “Otsu method and K-means”. *IEEE*, 74: 344-349, 2009.
- [14] Warren. 2016. Multispectral Imaging. Diakses dari <https://publiclab.org/wiki/multispectral-imaging>.
- [15] Autar Kaw dan Ekwu E. Kalu. *Numerical Methods with Applications: Second Edition*. autarkaw.com. South Florida. 2011.
- [16] Kutner, M.H., C.J. Nachtsheim, dan J. Neter. *Applied Linear Regression Models: Fourth Edition*. McGraw-Hill/Irwin. New York. 2004.
- [17] David Präkel. *The Visual Dictionary of Photography*. AVA Publishing. England. 2009.
- [18] Michael Zhang. How to Turn a Piece of Paper Into a DIY \$0.01 Flash Diffuser. Diakses dari <https://petapixel.com/2016/04/02/turn-piece-paper-diy-0-01-flash-diffuser/>, 3 April 2017.

- [19] Neil A. Campbell, Jane B. Reece, Lisa A. Urry, Michael L. Clain, Steven A. Wasserman, Peter V. Minorsky, Robert B. Jackson. *Biology: Eighth edition*. Pearson Benjamin Cummings. England. 2008. 328-329.
- [20] A. Huete, K. Didan, T. Miur, E.P. Rodriguez, X. Gao, L.G. Ferreira. "Overview of the radiometric and biophysical performance of the MODIS vegetation indices". *Remote sensing of Environment*, 83: 195-213. 2002.
- [21] Jan U. H. Eitel, Robert F. Keefe, Dan S. Long, Anthony S. Davis dan Lee A. Vierling. "Active Ground Optical Remote Sensing for Improved Monitoring of Seedling Stress in Nurseries". *Sensors*, 10: 2843-2850. 2010.
- [22] Elena Tamburini, Giuseppe Ferrari, Maria G. Marchetti, Paola Pedrini, dan Sergio Ferro. "Development of FT-NIR Models for the Simultaneous Estimation of Chlorophyll and Nitrogen Content in Fresh Apple (*Malus Domestica*) Leaves". *Sensors*, 15:2662-2672. 2015.
- [23] Raphael Diez. *The Difference between Chlorophyll A & B and Photosynthesis Overview*. Diakses dari <http://dyna-gro-blog.com/the-difference-between-chlorophyll-a-b-and-photosynthesis-overview/>, 26 Desember 2016.
- [24] Ilya Gregorik. *Image Optimization*. Diakses dari <https://developers.google.com/web/fundamentals/performance/optimizing-content-efficiency/image-optimization>, 24 Desember 2016.
- [25] The Data Visualisation Catalogue. *Box and Whisker Plot*. Diakses dari [http://www.datavizcatalogue.com/methods/box\\_plot.html](http://www.datavizcatalogue.com/methods/box_plot.html), 30 Desember 2016.
- [26] Renato Turchetta, Kenneth R. Spring, dan Michael W. Davidson. *Introduction to CMOS Image Sensors*. Diakses dari <http://olympus.magnet.fsu.edu/primer/digitalimaging/cmosimagesensors.html>, 3 Januari 2017.
- [27] Uni Azza Aunillah. *Statistics for Managers Using Microsoft Excel 4th Edition*. Diakses dari <https://www.slideshare.net/UniSrikandi/chap03-numerical-descriptive-measures>, 2 Januari 2017.



- [28] Rosco. *Roscolux Catalog*. Diakses dari <http://us.rosco.com/en/products/catalog/roscolux>, 15 Desember 2016.
- [29] Warren. *White balancing a Canon camera for Infragram photography*. Diakses dari <https://publiclab.org/notes/warren/08-15-2013/white-balancing-a-canon-camera-for-infragram-photography>, 14 Desember 2016.
- [30] Chris Fastie. *New NDVI colormap*. Diakses dari <https://publiclab.org/notes/cfastie/08-26-2014/new-NDVI-colormap>, 17 Desember 2016.
- [31] Mark Steele, Anatoly A. Gitelson, dan Donald Rundquist. "Nondestructive Estimation of Leaf Chlorophyll Content in Grapes". 2008.
- [32] Richard P. Feynman, Robert B. Leighton, dan Matthew Sands. *The Feynman Lectures on Physics: Volume I*. First Trade Paper Edition. 2011. California.
- [33] Andrew Greensted. *Otsu Thresholding*. Diakses dari <http://www.labbookpages.co.uk/software/imgProc/otsuThreshold.html>, 10 September 2016.