



## **DAFTAR PUSTAKA**

- Abderrahmane, A.K., Sylvain, J., Didier, M., and Anne, L. (2016). Discrimination Of Beef Muscle Based On Vis-Nir Multispectral Features: Textural And Spectral Analysis. *International Journal Of Food Properties* , 1-30.
- Abouelatta, O.B. (2013). Classification Of Copper Alloys Microstructure Using Image Processing And Neural Network, *Journal Of American Science*, 9 (6), 213-223.
- Ali, H., Badshah, N., Chen, K., and Khan, G. A. (2016). A Variational Model With Hybrid Images Data fitting Energies For Segmentation Of Images With Intensity Inhomogeneity, *Pattern Recognition*, 51, 27-42.
- Argyri, A., Panagou, E., Tarantilisp.A., Polysiou, M., and Nychas, G. J. (2010). Rapid Qualitative And Quantitative Detection Of Beef fillets Spoilage Based On Fourier Transform Infrared Spectroscopy Data And Artificial Neural Networks. *Sensors And Actuators B* , 145, 146-154.
- Arockia, G., Saroja, S. and Helen, C. S. (2013). Texture Analysis of Non-Uniform Images using GLCM. Proceedings of 2013 IEEE Conference on Information and Communication Technologies (ICT 2013), pp. 1319-1322, IEEE.
- Ayu, 2012., Cegah Daging Oplosan Masuk Pasar .<http://www.padangekspres.co.id>, diakses 13 Pebruari 2014.
- Balage, J. M., Silva, S. D., Gomide, C. A., Bonin, M. D., & Figueira, A. C. (2015). Predicting Pork Quality Using Vis/Nir Spectroscopy. *Meat Science* , 108, 37-43.
- Baochang, Z., Gao, Y. and Qiao, Y. (2008). Face Recognition Based On Gradient Gabor Feature. *ICIP*, 1904-1907.
- Charalampidis, D. (2001). Novel Textural Features And Techniques For Image Egmentation And Classification. -: UMI.
- Chen, X.W., Liu, Z. H., and Zhang, Z. K. (2010). The Measurement Of Planning Surface Roughness By Neural Networks Based On Image . *Sixth International Conference On Natural Computation (Icnc 2010)* (Pp. 705-708). -: Ieee.
- Cheng, F., Zhang, J., Wen, C., Liu, Z., and Li, Z. (2017). Large Cost-Sensitive Margin Distribution Machine For Imbalanced Data Classification. *Neurocomputing* , 224, 45-57.



- Cheng, W., Sun, D.-W., Pu, H., and Liu, Y. (2016). Integration Of Spectral And Textural Data For Enhancing Hyperspectral Prediction Of K Value In Pork Meat. *Lwt - Food Science And Technology* , 72, 322-329.
- Chen, Y., Li, X., Dick, A. and Hill, R. (2014). Ranking Consistency For Image Matching And Object Retrieval, *Pattern Recognition*, 1349–1360.
- Cheng, J.H., Sun, D.-W., Qu, J.-H., Pu, H.-B., Zhang, X.-C., Song, Z., Et Al. (2016). Developing A Multispectral Imaging For Simultaneous Prediction Of Freshness Indicators During Chemical Spoilage Of Grass Carp fish fillet. *Journal Of Food Engineering*, 182, 9-17.
- Crosier, M. and Griffin, L. (2010). Using Basic Image Features for Texture Classification. *Int J Comput Vis*, 88, 447–460.
- Ding, J., Wen, C., Li, G., and Chua, C. S. (2016). Locality Sensitive Batch Feature Extraction For High-Dimensional Data. *Neurocomputing* (171), 664–672.
- Doak, A., 2011, *wp-content*. [www.meateater.co.zn](http://www.meateater.co.zn), diakses 4 November 2014.
- Domenec, P., Miguel, A. G. and Jaime, M. (2010). Application-Independent Feature Selection For Texture Classification, *Pattern Recognition*, 3282-3297.
- El-Henawy, I., El-Bakry, H. M., El-Hadad, H. M., and Mastorakis, N. (2016). Muzzle Feature Extraction Based On Gray Level Co-Occurrence Matrix. *International Journal Of Veterinary Medicine* , 1, 1-24.
- Feifei, T., Yankun, and Peng. (2014). A Method For Nondestructive Prediction Of Pork Meat Quality And Safety Attributes By Hyperspectral Imaging Technique. *Journal Of Food Engineering* , 126, 98-106.
- Feng, G., Guo, J., Jing, B.-Y., and Sun, T. (2015 ). Feature Subset Selection Using Naive Bayes For Text Classification. *Pattern Recognition Letters* , 109–115.
- Hamouchene, I., Aouat, S. and Lacheheb, H. (2013). A New Segmentation Architecture For Texture Matching Using The LBP Method, *Science and Information Conference*, pp. 411-415, London.
- Hongbin, P., Da-Wen, S., Ji, M., and Jun-Hu, C. (2015). Classification Of Fresh And Frozen-Thawed Pork Muscles Using Visible And Near Infrared Hyperspectral Imaging And Textural Analysis. *Meat Science* , 99, 81–88.
- Hossain, S. and Serikawa, S. (2012). Features for Texture Analysis, *SICE Annual Conference 2012* (pp. 1739-1744). Akita, Japan: SICE.
- Huang, H., Liu, L., Ngadi, M., and Gariépy, C. (2014). Rapid And Non-Invasive Quantification Of Intramuscular Fat Content Of Intact Pork Cuts. *Talanta* , 119, 385–395.



- Huang, L., Zhao, J., Chen, Q., and Zhang, Y. (2013). Rapid Detection Of Total Viable Count (Tvc) In Pork Meat By Hyperspectral Imaging. *Food Research International*, 54, 821–828.
- Huang, J., Huang, N., Zhang, L. and Xu, H. (2012). A Method For Feature Selection Based On The Correlation Analysis, *International Conference on Measurement, Information and Control (MIC)*, pp. 529-532, IEEE.
- Iis, S. (2011). *Kandungan Gizi Dalam Daging Sapi*. Retrieved Pebruari 18, 2014, from <http://www.unida.ac.id/>
- Imam Santoso, Christyono Yuli, and Indriani Mita. "Kinerja Pengenalan Citra Tekstur Menggunakan Analisis Tekstur Metode Run Length." *Seminar Nasional Aplikasi Teknologi Informasi 2007 (SNATI 2007)*. Yogyakarta, 2007. F9-F25.
- Jambawalikar, S. (2005). *Application o f Texture Analysis to Dynamic Contrast Enhanced Breast Magnetic Resonance Imaging*. -: UMI.
- Ji, Z., Xia, Y., Sun, Q., Cao, G., and Chen, Q. (2015). Active Contours Driven By Local Likelihood Image fitting Energy For Image Segmentation. *Information Sciences*, 301, 285–304.
- Jing, W., Zhijie, X. and Ying, L. (2013). Texture-based Segmentation for Extractin Image Shape Features. *Proceedings of the 19th Internation Conference on Automation and Computing*, Brunel University, London.
- Jorge, R. V., and Pablo, A. E. (2014). A Review Of Feature Selection Methods Based On Mutual Information. *Neural Comput and Applic*, 24, 175–186.
- Jose Antonio, S., Armando M., F., Edurne, B., Severiano, S., Virginia, S., Norberto, G., Et Al. (2016). Lamb Muscle Discrimination Using Hyperspectral Imaging: Comparison Of Various Machine Learning Algorithms. *Journal Of Food Engineering*, 174 , 92-100.
- Kamruzzaman, M., Gamal, E., Da-Wen, S., and Paul, A. (2012). Prediction Of Sum Quality Attributs Of Lam Meat Using Near Infrare Hyperspectral Imaging And Multivarded Analysis. *Analytica Chimica Acta* , 714, 57–67.
- Kamruzzaman, M., Makino, Y., and Oshita, S. (2016). Rapid And Non-Destructive Detection Of Chiken Adulteration In Minced Beef Using Visible Near-Infrared Hyperspectral Imaging And Machine Learning. *Journal Of Food Engineering* , 170, 8-15.



- Kiswanto, Eko, S. and Suhartono. (2011). Identifikasi Citra Untuk Mengidentifikasi Jenis Daging Sapi Menggunakan Transformasi Wavelet Haar. *Jurnal Sistem Informasi Bisnis*, 74-80.
- Kobayashi, T., Higuchi, T., Miyajima, T. and Otsu, N. (2009). Recognition of Dynamic Texture Patterns Using CHLAC Features. *Symposium on Bio-inspired Learning and Intelligent Systems for Security*, pp. 58-60, Edinburgh: IEEE.
- Kondo, T. (2014). Gradient Orientation Pattern Matching With The Hamming Distance, *Pattern Recognition*, 3387–3404.
- Kodogiannis, V. S., Kontogianni, E., and Lygouras, J. N. (2014). Neural Network Based Identification Of Meat Spoilage Using Fourier-Transform Infrared Spectra. *Journal Of Food Engineering* , 142, 118-131.
- Kotsiantis, S. B. (2007). Supervised Machine Learning: A Review Of Classification Techniques. *Informatics* , 31, 249-268.
- Lee, Y. S. (2007). *Perception, Measurement, And Prediction Of Tenderness In Poultry Breast Meat*. Seoul: UMI.
- Lestari, I., Riana, A. W., and Taftarzani, B. M. (2016). Pengaruh Gadget Pada Interaksi Sosial Dalam Keluarga. *Prosiding Ks: Riset & Pkm* , 2 (2), 147-300.
- Le-qing, Z. and Zhen, Z. (2010). Auto-Classification Of Insect Images Based On Color Histogram And GLCM, *Seventh International Conference Fuzzy Systems and Knowledge Discovery (JFSKD)* (pp. 2589 - 2593). Yantai, Shandong: IEEE.
- Liu, D., Pu, H., Sun, D.-W., Wang, L., and Zeng, X.-A. (2014). Combination Of Spectra And Texture Data Of Hyperspectral Imaging For Prediction Of Ph In Salted Meat. *Food Chemistry* , 160, 330–337.
- Lukashevich, M. and Rauf, S. (2012). Texture Analysis: Algorithm for Texture Teatures Computation. *IV International Conference “Problems of Cybernetics and Informatics” (PCI2012)*, September 12-14, 2012, pp. 161-163, Baku, Azerbaijan: IEEE.
- Malik, J., Belongie, S. and Leung, T. (2001). Contour and Texture Analysis for Image Segmentation. *nternational Journal of Computer Vision*, 7-27.
- Mathur, A., and Foody, G. M., 2008, Multiclass And Binary SVM Classification: Implications For Training And Classification Users. *Geoscience And Remote Sensing Letters*, 241-245.



- Matthias, S. A., and Christian, W. H. (2015). Methods For Detection Of Pork Adulteration In Veal Product Based On Ft-Nir Spectroscopy For Laboratory, Industrial And On-Site Analysis. *Food Control* , 57, 258-267.
- Mitra, M., and Samanta, R. K. (2013). Cardiac Arrhythmia Classification Using Neural Networks With Selected Features. *Procedia Technology* , X, 76 – 84.
- Mohanaiah, P., Sathyanarayana, P. and Garuk, L. (2013). Image Texture Feature Extraction Using GLCM Approach. *International Journal of Scientific and Research Publications.III*, pp. 1-5, India: IJSRP.
- Montiel, E., Alberto, S. and Mark S. N. (2005). Texture classification via conditional histograms. *Pattern Recognition Letters*, 1740–1751.
- Muhammed, K., Makino, Y., and Oshita, S. (2015). Non-Invasive Analytical Technology For The Detection Of Contamination, Adulteration,And fish: A Review. *Analytica Chimica Acta* , 853, 19-29.
- Murru, N., and Rossini, R. (2010). A Bayesian Approach For Initialization Of Weights In Backpropagation Neural Net With Application To Character Recognition. *Neurocomputing* 92–105, 193, 92–105.
- Ngan, H. Y. and Pang, G. K. (2009). Regularity Analysis for Patterned Texture Inspection. *Transactions On Automation Science And Engineering*, 131-144.
- Nixon, M. and Alberto, S. (2012). *Feature Extraction and Image Processing for Computer Vision*. London: Elsevier Ltd.
- Noor, A. R. (2016). *Smartphone Murah Pupus Kesenjangan Digital*. Retrieved April Senin, 2017, From Detikinet.
- Patel, R., Patel, C. I. and Ankit, T. (2012). Aggregate Features Approach for Texture Analysis. *Nirma University International Conference On Engineering* (pp. 1-5). NUICONE: IEEE.
- Petrou, M. and Sevilla, P. G. (2006). *Image Processing Dealing with Texture*. England: John Wiley and Sons Ltd.
- Pendi. (2014, Juli 03). ekonomi: *artikel-54517-hatihati-daging-celeng-ini-circirinya*. Retrieved September 14, 2016, from saibumi.com: <http://www.saibumi.com/>
- Pu, H., Sun, D.W., Ma, J., and Cheng, J.H. (2015). Classification Of Fresh And Frozen-Thawed Pork Muscles Using Visible And Near Infrared Hyperspectral Imaging And Textural Analysis. *Meat Science* , 99, 81–88.
- Puig, D. Garcia, M. A., and Jaime, M. (2010). Application Independent Feature Selection For Texture Classification, *Pattern Recognition*, XXXIII, 3282–3297.



- Ramalho, G. L., Ferreira, D. S., Filho, P. P., and Medeiros, F. N. (2016). Rotation-Invariant Feature Extraction Using A Structural Co-Occurrence Matrix. *Measurement*, 94, 406–415.
- Ropodi, A., Pavlidis, D., Mohareb, F., Panagou, E., and Nychas, G. (2015). Multispectral Image Analysis Approach To Detect Adulteration Of Beef And Pork In Raw Meats. *Food Research International*, 67, 12–18.
- Saláková, A. (2012). *Instrumental measurement of texture and color of meat and meat products*. Czech Republic: University of Veterinary and Pharmaceutical Sciences Brno.
- Santoso, I., Christyono, Y. and Indriani, M. (2007). Kinerja Pengenalan Citra Tekstur Menggunakan Analisis Tekstur Metode Run Length. *Seminar Nasional Aplikasi Teknologi Informasi 2007 (SNATI 2007)*, pp. F9-F25, Yogyakarta.
- Saroja, G., Arockia, S. and Sulochana, C. (2013). Texture Analysis of Non-Uniform Images using GLCM. *Proceedings of 2013 IEEE Conference on Information and Communication Technologies (ICT 2013)*, pp. 1319-1322. IEEE.
- Sengur, A., Ibrahim, T. and Cevdet, I. M. (2007). Wavelet Packet Neural Networks For Texture Classification, *Expert Systems with Applications*, 527–533.
- Shi, B.Q., and Liang, J. (2016). An Integration Method For Scanned Multi-View Range Images (Mris) Based On Local Weighted Least Squares (LWLS) Surface fitting. *Optics And Lasers In Engineering*, 77, 64–78.
- Shima, K., and Mahdi, E. (2016). Feature Selection Using Multimodal Optimization Techniques. *Neurocomputing*, 171, 586–597.
- Singh, B. K., Verma, K., and S.Thoke, A. (2015). Adaptive Gradient Descent Backpropagation For Classification Of Breast Tumors In Ultrasound Imaging . *Procedia Computer Science*, 46, 1601 – 1609.
- Shiranita, K., Miyajima, T. and Takiyama, R. (1998) Determination Of Meat Quality By Texture Analysis, *Pattern Recognition Letters*, 1319-1324.
- Shukla, P., Basu, I., Graupe, D., Tuninetti, D., Slavin, K. V., Metman, L., Et Al. (2013). A Decision Tree Classifier For Postural And Movement Conditions In Essential Tremor Patients. *6th Annual International Ieee Embs Conference On Neural Engineering* (Pp. 117-120). San Diego, California: Ieee.
- Sidorova, V. S. (2008). Unsupervised Classification of Image Texture. *Pattern Recognition and Image Analysis*, Vol. 18, 693–699.



- Soh, L.K., and Tsatsoulis, C. (1999). Texture Analysis Of Sar Sea Ice Imagery Using Gray Level Co-Occurrence Matrices. *Ieee Transactions On Geoscience And Remote Sensing*, , 37 (2), 780-795.
- Soranamageswari, M., and Meena, C. (2011). A Novel Approach Towards Image Spam Classification. *International Journal Of Computer Theory And Engineering* , Iii (1), 84-88.
- Suganya, R., and Rajaram, S. (2013). Feature Extraction And Classification Of Ultrasound Liver Images Using Haralick Texture-Primitive Features: Application Of SVM Classifier, International Conference On Recent Trends In Information Technology (ICRTIT), pp. 596-602, IEEE.
- Sun, T.H., and Tien, F.-C. (2008). Using Backpropagation Neural Network For Face Recognition With 2d + 3d Hybrid Information. *Expert Systems With Applications* , 35, 361–372.
- Susan, S. and Hanmandlu, M. (2013). A Non-Extensive Entropy Feature And Its Application To Texture Classification, *Neurocomputing*, 215-225.
- Valliammal, N., and Geethalakshmi, S. (2012). An Optimal Feature Subset Selection For Leaf Analysis. *International Journal Of Computer, Elektornical, Automtion, Control And Information Engineering* , 6 (2), 191-196.
- Wang, J. and Zhou, G. M. (2010). The Research of Digital Image Quality Evaluation Method for Beef Tenderness. *Computational Intelligence and Software Engineering (CiSE), International Conference*, pp. 1 – 5, Wuhan: IEEE.
- Wang, X. and Nicolas, D. G. (2009). GLCM Texture Based Fractal Method For Evaluating Fabric Surface Roughness. *IEEE*, 104-107.
- Wang, D., Feiping, N., and Heng, H. (2015). Feature Selection Via Global Redundancy Minimization. *IEEE Transactions On Knowledge And Data Engineering*, 27 (10), 2743-2755.
- Wu, X., Zheng, J., Wu, C. and Cai, Y. (2013). Variational Structure–Texture Image Decomposition On Manifolds, *Signal Processing*, 1773–1784.
- Xie, X., Zhang, A., and Wang, C. (2016). Local Average Fitting Active Contour Mode With Tresholding For Noisy Image Segmentation. *Optik*, 126, 1021–1026.
- Yoshikawa, F., Ibaraki, J., Toraichi, K., Wada, K. and Otsu, N. (1999). Feature extraction algorithm for beef marbling. *Communications, Computers and Signal Processing, 1999 IEEE Pacific Rim Conference on*,pp. 209 – 212, Victoria, BC: IEEE.



- Zeng, Q.-S., Lai, J.-H. and Wang, C. D. (2014). Multi-Local Model Image Set Matching Base On Domain Description. *Pattren Recognition*, 694-704.
- Zhang, G., Yang, L. and Zhang, F. (2012). An Integrated Color and Texture Feature Extraction Algorithm. *2nd international Conference on Computer Science and Network Technology* (pp. 733-737). Changchun, China: IEEE.
- Zhang, L., Jiang, L., Li, C., and Kong, G. (2015). Two Feature Weighting Approaches For Naive Bayes Text Classifiers. *Knowle Dge-Base D Systems* , 137–144.
- Zhang, M.L., and Zhou, Z.H. (2012). Multi-Label Neural Networks With Applications To Functional Genomics And Text Categorization. *Ieee Transactions On Knowledge And Data Engineering* , 1-14.
- Zhang, J., Zhao, H. and Liang, J. (2013). Continuous Rotation Invariant Local Descriptors For Texton Dictionary-Based Texture Classification. *Computer Vision and Image Understanding*, 56–75.
- Zhao, Y., Jia, W., Hu, R.-X. and Min, H. (2013). Completed Robust Local Binary Pattern For Texture Classification. *Neurocomputing*, 68–76.
- Zhou, D., Zhou, H., and Shao, Y. (2016) An Improved Chan–Vese Model By Regional fitting For Infrared Image Segmentation. *Infrared Physics & Technology*, 74, 81-88.
- Zhou, Y., Shi, W.-R., Chen, W., Chen, Y.-L., Li, Y., Tan, L.-W., Et Al. (2015) Active Contours Driven By Localizing Region And Edge-Based Intensity fitting Energy With Application To Segmentation Of The Left Ventricle In Cardiac CT Images. *Neurocomputing*, 156, 199–210.