



DAFTAR PUSTAKA

- Aggarwal, N.; R. K. Agrawal, "First and Second Order Statistics Features for Classification of Magnetic Resonance Brain Images," *Journal of Signal and Information Processing*, 2012, 3, 146-153.
- Abd-Elmageed, W.; Davis, L., "Human detection using iterative feature selection and logistic principal component analysis," *Robotics and Automation, 2008. ICRA 2008. IEEE International Conference on*, vol., no., pp.1691,1697, 19-23 May 2008
- Beckmann, N, H. Kriegel, R. Schneider, & B. Seeger. 1990, *The R*-tree: An efficient and robust access method for points and rectangles*. In Proceeding of the ACM SIGMM International Conference on Management of Data (pp. 322 – 331).
- Brown, M. S, L. S. Wilson, B. D. Doust, R. W. Gill, C. Sun. 1998. *Knowledge-based Method for Segmentation and Analysis of Lung Boundaries in Chest X-Ray Images*. In Computerized Medical Imaging and Graphics 22, 463 – 477.
- Chakraborty, J.; Midya, A.; Mukhopadhyay, S.; Sadhu, A., "Automatic characterization of masses in mammograms," *Biomedical Engineering and Informatics (BMEI), 2013 6th International Conference on*, vol., no., pp.111,115, 16-18 Dec. 2013
- Candemir, S., et.al, 2014. *Lung Segmentation in Chest Radiographs Using Anatomical Atlases With Nonrigid Registration*. In IEEE Transactions on Medical Imaging, Vol. 33, No.2, pp. 577 – 590, February, 2014.
- Depkes, 2011. *Strategi Nasional Pengendalian TB di Indonesia 2010 – 2014*.
- Depkes, 2013. *Riset Kesehatan Dasar Riskesdas 2013*, 2013.
- El-Naqa, I., Y. Yang, N. P Galatsanos, N. P., R. M. Nishikawa, & M. N. Wernick, 2004. *A similarity learning approach to content-based image retrieval: Application to digital mammography*. In IEEE Transaction on Medical Imaging, 23(10), 1233 – 1244.
- Feng, D., W. C. Siu, & H. J. Zhang (Eds.), 2003. *Multimedia information retrieval and management: Technological fundamentals and applications*. Berlin:Springer.
- Faisal A., 2004. *Radiologi dapat Digunakan untuk Terapi Belum Semua RS Miliki Alat Radiologi*, Pusat Data & Informasi PERSI, <http://www.pdpersi.co.id>, di akses tanggal 17 Oktober 2011, pukul



09.55 WIB.

- Fawcett, Tom, 2003, *ROC Graphs: Notes and Practical Considerations for Data Mining Researchers*. http://www.purl.org/NET/tfawcett/software/ROC_algs.tar.gz, January 2003.
- Fonseca, M. J. & J. A. Jorge, 2003. *Indexing high-dimensional data for content-based retrieval in large database*. In Proceeding of the Eighth International Conference on Database Systems for Advanced Applications (pp. 267 – 274).
- Gonzalez, R. C. and R. E. Woods, 2008, *Digital Image Processing, 3rd ed.*, Pearson Education, New Jersey.
- Grevers, T., Stockman. 2003. *Classifying color edges in video into shadow-geometry, highlight, or material transitions*. In IEEE Transactions on Multimedia, 5(2), 237 – 243.
- Gutierrez, R.: *L10: linear discriminants analysis*. http://research.cs.tamu.edu/prism/lectures/pr/pr_110.pdf
- Guttman, A. 1984. *R-trees: A dynamic index structure for spatial searching*. In Proceeding of the ACM SIGMM International Conference on Management of Data (pp. 47 – 54).
- Hardjosoekanta, L. B. N. P. 2009, *Chest X-ray Image Registration Using Mutual Information Criterion for Supporting Lung Diseases Analysis*, In Proceeding of International Conference on Rural Information and Communication Technology 2009, pp. 173–179, July 2009.
- Jaeger, S., et.al, 2012, *Detecting Tuberculosis in Radiographs Using Combined Lung Masks*, In Proceeding of 34th Annual International Conference of the IEEE EMBS, pp. 4978 – 4981, August – September, 2012.
- Jaeger, S., et.al, 2013, *Automatic Screening for Tuberculosis in Chest Radiographs: a survey*, Quantitative Imaging in Medicine and Surgery, v. 3(2), pp.: 88 - 99. April, 2013.
- Jaeger, S., et.al, 2014, *Automatic Tuberculosis Screening using Chest Radiographs*, In IEEE Transactions on Medical Imaging, Vol. 33, No.2, pp. 233 - 245, February, 2014.
- Kanazawa, K., Y. Kawata, N. Niki, H. Satoh, H. Ohmatsu, R. Kakinuma, M. Kaneko, N. Moriyama, K. Eguchi. 1998, *Computer-Aided Diagnosis for Pulmonary Nodules Based On Helical CT Images*. In Computerized Medical Imaging and Graphics 22 , pp.157 – 167.
- Kachanubal, T., Udomhunsakul, S., 2008, *Rock Textures Classification Based*



- on Textural and Spectral Features*. In World Academy of Science, Engineering and Technology 39, pp. 110 – 116.
- Kepmenkes RI, 2009. *Kepmenkes RI tentang pedoman penanggulangan tuberculosis (TB)*, 2009
- Kishore, V.V.; Satyanarayana, R.V.S., "Performance evaluation of edge detectors - morphology based ROI segmentation and nodule detection from DICOM lung images in the noisy environment," *Advance Computing Conference (IACC), 2013 IEEE 3rd International* , vol., no., pp.1131,1137, 22-23 Feb. 2013
- Kumar, S.S.; Moni, R.S.; Rajeesh, J., "Liver tumor diagnosis by gray level and contourlet coefficients texture analysis," *Computing, Electronics and Electrical Technologies (ICCEET), 2012 International Conference on* , vol., no., pp.557,562, 21-22 March 2012
- Kunio Doi, 2007, *Computer-aided diagnosis in medical imaging: Historical review, current status and future potential*. Computerized Medical Imaging and Graphics, No. 31, pp: 198-211.
- Lam, M., T. Disney, M. Pham, D. Raicu, J. First, R. Susomboon, 2007, *Content-Based Image Retrieval for Pulmonary Computed Tomography Nodule Images*, http://facweb.cti.depaul.edu/research/vc/publications/SPIE_Lam_January21_2007.pdf
- Le, Kim, 2006. *Automated Detection of Early Lung Cancer and Tuberculosis Based on X-Ray Image Analysis*. In Proceeding of the 6th WSEAS International Conference on Signal, Speech and Image Processing, pp. 1150 -1155.
- Li, C.-T. & P.C. Yuen. 2000. *Regularize color clustering in medical image database*. In IEEE Transaction on Medical Imaging, 19(11), 1150 - 1155.
- Lei, J., et.al, 2013, *An Image Reconstruction Algorithm for Electrical Capacitance Tomography Based on Robust Principle Component Analysis*. In Sensors 2013, 13, 2076-2092, www.mdpi.com/journal/sensors.
- Manikandan, S., V. Rajamani, 2008, *A Mathematical Approach for Feature Selection & Image Retrieval of Ultra Sound Kidney Image Databases*. In European Journal of Scientific Research, Vol. 24, No. 2, pp. 163 – 171.
- Melendez, J.; van Ginneken, B.; Maduskar, P.; Philipsen, R.H.H.M.; Reither, K.; Breuninger, M.; Adetifa, I.M.O.; Maane, R.; Ayles, H.; Sanchez, C.I., "A Novel Multiple-Instance Learning-Based Approach to



- Computer-Aided Detection of Tuberculosis on Chest X-Rays," *Medical Imaging, IEEE Transactions on*, vol.34, no.1, pp.179,192, Jan. 2015.
- Mitrea, D., S.Nedevschi, M.Lupsor, R.Badea, "Exploring the Textural Parameters obtained from Ultrasound Images for Modeling the Liver Pathological Stages in the Evolution towards Hepatocellular Carcinoma", *In IEEE Conference of Automation, Quality and Testing, Robotics*, vol. 3, no., pp.128-133, 22-25 May. 2008.
- Miller, F. J. W. 1982. *Tuberculosis in Children Evolution, Epidemiology, Treatment, Prevention*. Churchill Livingstone Inc., New York, 1982.
- Mohd Rijal, O.; Noor, Norliza Mohd.; Shaban, Hamidah; Shee Lee Ten., "A statistical measure for effects of treatment for MTB derived from comparison of digital x-ray images," *Computers, Communications, & Signal Processing with Special Track on Biomedical Engineering, 2005. CCSP 2005. 1st International Conference on*, vol., no., pp.316,319, 14-16 Nov. 2005
- Mohd Rijal, O.; Ebrahimian, H.; Noor, N.M., "Determining features for discriminating PTB and normal lungs using phase congruency model," *Biomedical and Health Informatics (BHI), 2012 IEEE*
- Müller, Michoux, Bandon, & Geissbuhler, 2004. *A Review of Content-based Image Retrieval Systems in Medical Application – Clinical Benefits and Future Direction*. In *International Journal of Medical Informatics*, 73(1), 1 – 23.
- Sekar, K.; Duraisamy, V.; Remimol, A.M., "An approach of image scaling using DWT and bicubic interpolation," *Green Computing Communication and Electrical Engineering (ICGCCEE), 2014 International Conference on*, vol., no., pp.1,5, 6-8 March 2014.
- Spiegel, M., R., 1988. *Statistika Edisi Kedua*, Penerbit Erlangga.
- Nishibori, M., Tsumura, N., & Miyake, Y., 2004. *Why multi-spectral imaging in medicine?* In *Journal of Imaging Science and Technology*, 48(2), 125 – 129.
- Nurhayati, O. D, Susanto, A. Widodo, T. S., Tjokronagoro, M., 2011, *Principle Component Analysis combined with First Order Statistical Method for Breast Thermal Images classification.*, *IJCST: Vol. 2*, (pp. 12 -18), www.IJCST.com
- Olfati, E.; Zarabadipour, H.; Shoorehdeli, M.A., "Feature subset selection and parameters optimization for support vector machine in breast cancer diagnosis," *Intelligent Systems (ICIS), 2014 Iranian Conference on*,



vol., no., pp.1,6, 4-6 Feb. 2014

- Ouyang, A., & Tan, Y. P 2002. *A novel multi-scale spatial-color descriptor for content-based image retrieval*. In Proceeding of the 7th International Conference on Control, Automation, Robotics and Vision: Vol. 3 (pp. 1204 -1209).
- Partridge, M., & Calvo, R. A. 1998. *Fast dimensionality reduction and simple PCA*. In Intelligent Data Analysis, 2(1-4), 203-214.
- Pattichis, M. S., T. Cacoullous, Peter Soliz. 2009. *New Models for Region of Interest Reader Classification Analysis in Chest Radiographs*, In Pattern Recognition 42, 1058 – 1066. www.elsevier.com/locate/pr.
- PPTI, 2011, *TB di Indonesia Peringkat 5 Dunia*, <http://www.ppti.info>, di akses tanggal 17 Oktober 2011, pukul 09.55 wib.
- Pusponegoro, Hardiono D., dkk, 2005, *Standar Pelayanan Medis Kesehatan Anak*, Edisi I 2004, Badan Penerbit IDAI.
- Qian, G., Sural, S., Gu, Y., & Pramanik, S., 2004. *Similarity between Euclidean and cosine angle distance for nearest neighbor queries*. In Proceeding of 2004 ACM Symposium on Applied Computing (pp. 1232 – 1237).
- Ranjith, M., R. M. Balaji, K. M. Surjith, J. Dhyaneswaran, & A. Baskar, 2009. *Content based Image Retrieval for Medical Image (cerebrum intract) using PCA*. In Conference Proceedings, RTCSP (pp. 124 – 126)
- Research and Development Team Health Professional Education Quality (HPEQ) Project., 2010, *Potret Ketersediaan Dan Kebutuhan Tenaga Dokter*, Ditjen Dikti Kemendikbud, [http://hpeq.dikti.go.id/v2/images/Produk/Potret Ketersediaan Dan Kebutuhan Tenaga Dokter.pdf](http://hpeq.dikti.go.id/v2/images/Produk/Potret_Ketersediaan_Dan_Kebutuhan_Tenaga_Dokter.pdf), di akses tanggal 13 Juli 2013.
- Ristianiah, D., 2014.. *Teleradiologi Bisa Jadi Solusi Keterbatasan Sarana dan SDM Radiologi di Indonesia*, <http://www.unpad.ac.id/2014/01>.
- Rohmah, R. N, L. E. Nugroho, Th. S. Widodo, A. Susanto, Nurokhim, 2009. *Design and Preliminary Result on Content-Based Image Retrieval (CBIR) System for Osteoporosis X-Ray Image Database*, In Proceeding of International Conference on Rural Information and Communication Technology 2009, pp. 199–202.
- Shyu, C., Brodley, C., Kak, A., Kosaka, A., Aisen, A., & Broderick, L. 1999. *ASSERT: A physician-in-the-loop content-based image retrieval system for HCRT image databases*. In Computer Vision and Image



Understanding, 75 (1/2), 111 – 132.

Sinha, U., & Kangarloo, H. 2002. *Principal component analysis for content-based image retrieval*. In *RadioGraphics*, 22, 1271 – 1289.

Singh, S., Kumar, V., “SVM Based System for classification of Microcalcifications in Digital Mammograms,” In *Proceeding of the 28th IEEE EMBS Annual International Conference 2006*, pp. 4747 – 4750.

Tamai, S. 1999. *The color of digital imaging in pathology and cytology. Proceeding of the First Symposium of the “Color” of Digital Imaging in Medicine*.

Veenland, J. F., Grashuis, J. L., Weinans, H., Ding, M., & Vrooman, H. A. 2002. *Suitability of texture features to assess changes in trabecular bone architecture*. In *Pattern Recognition Letters*, 23(24), 395 – 403.

Xiao-Dong Wang; Jun Feng; Yao-lin Li; Zhan Li; Qiu-ping Wang, "Computer Aided Detection for breast calcification clusters based on improved instance selection and an adaptive neuro-fuzzy network," *Fuzzy Systems and Knowledge Discovery (FSKD), 2013 10th International Conference on*, vol., no., pp.184,189, 23-25 July 2013.

Xu, T., et. al, 2013, *Novel coarse-to-fine dual scale technique for Tuberculosis cavity detection in chest radiographs*. In *EURASIP Journal on Image and Video Processing* 2013:3, <http://jivp.urasipjournals.com/content/2013/1/3>.

Zou, J., et. al, 2012, *Multiscale saliency detection using principle component analysis*. In *WCCI 2012 IEEE World Congress on Computational Intelligence*, June, 10-15, 2012, Brisbane, Australia.