

## DAFTAR PUSTAKA

- Aksoy, S., 2012. Introduction to Pattern Recognition Human Perception. , pp.1–40.
- Arnold, G.E., 2015. Theory of voice production. <http://www.britannica.com/topic/speech-language/Theory-of-voice-production>, diakses 7 Maret 2016.
- Bhalke, D.G. et al., 2011. Spectrogram Based Musical Instrument Identification Using Hidden Markov Model (HMM) for Monophonic and Polyphonic Music Signals. *Acta Technica Napocensis*, 52(2), pp.1–9.
- Bishop, C.M., 2006. *Pattern Recognition and Machine Learning* M. Jordan, J. Kleinberg, & B. Schölkopf, eds., Springer.
- Camastra, F. & Vinciarelli, A., 2008. *Machine Learning for Audio, Image, and Video Analysis, Theory and Applications*, Springer-Verlag London Limited.
- Cockos, 2016. Up and Running : A REAPER User Guide v 5 . 01. , (August), pp.1–444.
- Cotton, S., 2007. *Voice Classification and Fach: Recent, Historical and Conflicting System of Voice Categorization*. University of North Carolina at Greensboro.
- Dillon, A.H., 1998. Female Voice Classification and the Choral Director. , pp.59–66.
- Dougherty, G., 2013. *Pattern Recognition and Classification, An Introduction*, California: Springer New York Heidelberg Dordrecht London.
- Dwifibrianti, R., Hidayat, B. & Wijayanto, I., 2013. *Analisis Deteksi Tipe Suara Pada Pria Dan Wanita Menggunakan Metode Mel-Frequency Cepstral Coefficient Dan Klasifikasi Support Vector Machine Multi-Kelas One-Against-All*. Telkom University.
- Eichner, M., Wolff, M. & Hoffmann, R., 2006. Musical Instrument Classification using Embedded Hidden Markov Models. *International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering*, 6(7), pp.678–683.
- Emmons, S. & Chase, C., 2006. *Prescriptions for Choral Excellence: Tone, Text, Dynamic Leadership*, New York: Oxford University Press, Inc.
- Eronen, A., 2001. Comparison of features for musical instrument recognition. *Proceedings of the 2001 IEEE Workshop on the Applications of Signal Processing to Audio and Acoustics (Cat. No.01TH8575)*, (October), pp.21–24.
- Eronen, A., 2003. Musical instrument recognition using ICA-based transform of features and discriminatively trained HMMs. In *Proceedings - 7th International Symposium on Signal Processing and Its Applications, ISSPA 2003*. pp. 133–136.
- Fawcett, T., 2006. An introduction to ROC analysis. *Pattern Recognition Letters*, 27(8), pp.861–874.
- Fink, G.A., 2003. *Markov Models for Pattern Recognition (From Theory to Applications)*, Berlin, Heidelberg: Springer Berlin Heidelberg.

- Forney Jr., G.D., 1973. The Viterbi Algorithm. *Proceedings of the IEEE*, 61(3), pp.302–309.
- Fosler-lussier, E., 1998. Markov Models and Hidden Markov Models: A Brief Tutorial. *Ca Tr-98-041*, 1198(510), pp.132–141.
- Francois, J., 2006. Jahmm v0.6.1 User Guide. , pp.0–22.
- Juang, B.-H. & Rabiner, L.R., 1990. The segmental K-means algorithm for estimating parameters of hidden Markov models. *IEEE Transactions on Audio, Speech and Language Processing*, 38(9), pp.1639–1641.
- Kostek, B. & Żwan, P., 2005. Automatic classification of singing voice quality. In *5th International Conference on Intelligent Systems Design and Applications, 2005. {ISDA '05.} Proceedings*. pp. 444–449.
- Lamb, G.H., 2010. Choral Techniques. *Music Educators Journal*, 62(5), p.424.
- Lee, J. & Chun, J., 2002. Musical instruments recognition using hidden markov model. *Signals, Systems and Computers, 2002. Conference Record of the Thirty-Sixth Asilomar*, 1, pp.196–199.
- Lee, K., 2008. A System for Automatic Chord Transcription from Audio Using Genre-Specific Hidden Markov Models. , pp.134–146.
- Logan, B., 2000. Mel Frequency Cepstral Coefficients for Music Modeling. *International Symposium on Music Information Retrieval*, 28, p.11p.
- Lutter, M., 2014. Mel-Frequency Cepstral Coefficients. *The Speech Recognition Wiki*. <http://recognize-speech.com/feature-extraction/mfcc#>, diakses 8 November 2016.
- MacKay, D.J.C., 2005. *Information Theory, Inference, and Learning Algorithms*, Cambridge University Press.
- MacQueen, J., 1967. Some Metods For Classification and Analysis of Multivariate Observations. In *Proc. 5th Berkeley Symp. Math. Stat., Prob.* pp. 281–297.
- McLeod, P., 2008. *Fast, Accurate Pitch Detection Tools for Music Analysis*. University of Otago.
- McLeod, P. & Wyvill, G., 2005. A Smarter Way to Find Pitch. In *ICMC Proceedings*. pp. 138–141.
- McLeod, P. & Wyvill, G., 2003. Visualization of musical pitch. In *Proceedings of Computer Graphics International Conference, CGI*. pp. 300–303.
- Nort, D. Van, 2004. *A Timbre Recognition System Using Hidden Markov Models*, Montreal.
- Powers, D.M.W., 2011. Evaluation: From Precision, Recall and F-Measure To Roc, Informedness, Markedness & Correlation. *Journal of Machine Learning Technologies*, 2(1), pp.37–63.
- Rabiner, L. & Juang, B.-H., 1993. *Fundamentals of Speech Recognition*, New Jersey: PTR Prentice-Hall, Inc.
- Rabiner, L.R., 1989. A Tutorial on Hidden Markov Models and Selected Applications in Speech Recognition. *Proceedings of the IEEE*, 77(2), pp.257–286.

- Rabiner, L.R. & Juang, B.-H., 1986. An introduction to hidden Markov models. *IEEE ASSP Magazine*, 3(January), pp.4–16.
- Shelvock, M., 2012. *Audio Mastering as Musical Practice*. The University of Western Ontario.
- Six, J., Cornelius, O. & Leman, M., 2014. TarsosDSP, a Real-Time Audio Processing Framework in Java. In *53rd AES International Conference: Semantic Audio*. London, pp. 1–7.
- Stamp, M., 2004. A revealing introduction to hidden Markov models. *Department of Computer Science San Jose State ...*, pp.1–20.
- Sundberg, J., 1979. Quarterly Progress and Status Report: Perception of singing. *STL-QPSR*, 20(1), pp.1–48.
- Sundberg, J., 1977. The Acoustics of The Singing Voice. *Scientific American*, 236(3), pp.82–84, 86, 88–91.
- Wang, T., 2013. Efficient Vocal Music Education Scheme. In *Lecture Notes in Electrical Engineering*. pp. 427–432.
- Wijayanto, I. & Dwifabrianti, R., 2013. *Jenis Tipe Jangkauan Suara Pada Pria Dan Wanita Menggunakan Metoda Mel-Frequency Cepstral Coefficient*. Institut Teknologi Telkom.
- Wolfe, J., Garnier, M. & Smith, J., 2013. Voice Acoustics: an Introduction. *UNSW Music Acoustics*, p.1. <http://newt.phys.unsw.edu.au/jw/voice.html#contrast>, diakses 20 Juni 2016.
- Wolverton, V.D., 1993. Rehearsal Breaks: Classifying Voices for Choral Singing. *The Choral Journal*, 33(9), pp.31–32.
- Yen, J., 2015. Wavelet for Acoustics. , p.19.
- Yoshihara, Y., Miura, T. & Shioya, I., 2007. Classifying polyphonic melodies by chord estimation based on hidden Markov model. *Intelligent Data Engineering and Automated Learning - Ideal 2007*, 4881, pp.589–598.
- Yudha, I.P., Tritasmoro, I.I. & Atmaja, R.D., 2012. *Sistem identifikasi jenis suara manusia berdasarkan jangkauan vokal menggunakan jaringan saraf tiruan backpropagation*. Institut Teknologi Telkom.
- Žwan, P. et al., 2008. Automatic Singing Voice Recognition Employing Neural Networks and Rough Sets. In *Transactions on Rough Sets IX*. Berlin, Heidelberg: Springer Berlin Heidelberg, pp. 455–473.