

## DAFTAR PUSTAKA

- Al-Twijri, M. I., & Noaman, A. Y. (2015). A New Data Mining Model Adopted for Higher Institutions. *Procedia Computer Science*, 65(Iccmit), 836–844. <https://doi.org/10.1016/j.procs.2015.09.037>
- Altujjar, Y., Altamimi, W., Al-Turaiki, I., & Al-Razgan, M. (2016). Predicting Critical Courses Affecting Students Performance: A Case Study. *Procedia Computer Science*, 82(March), 65–71. <https://doi.org/10.1016/j.procs.2016.04.010>
- Arcidiacono, P., Hots, V. J., & Kang, S. (2012). Modeling college major choices using elicited measures of expectations and counterfactuals. *Journal of Econometrics*, 166(1), 3–16. <https://doi.org/10.1016/j.jeconom.2011.06.002>
- Bartolj, T. Š., & Polanec, S. Š. (2012). College major choice and ability: Why is general ability not enough? *Economics of Education Review*, 31(6), 996–1016. <https://doi.org/10.1016/j.econedurev.2012.07.010>
- Bienkowski, M., Feng, M., & Means, B. (2012). *Enhancing Teaching and Learning Through Educational Data Mining and Learning Analytics: An Issue Brief*. Washington, D.C. Retrieved from <ftp://96.230.5.13/MotiShare/Luvai/Documents/Research/NSFCyberLng/Data Mining in Education-brief.pdf>
- Bunkar, K., Singh, U. K., Pandya, B., & Bunkar, R. (2012). Data mining: Prediction for performance improvement of graduate students using classification. *2012 Ninth International Conference on Wireless and Optical Communications Networks (WOCN)*, 1–5. <https://doi.org/10.1109/WOCN.2012.6335530>
- Chalaris, M., Gritzalis, S., Maragoudakis, M., Sgouropoulou, C., & Tsolakidis, A. (2014). Improving Quality of Educational Processes Providing New Knowledge Using Data Mining Techniques. *Procedia - Social and Behavioral Sciences*, 147, 390–397. <https://doi.org/10.1016/j.sbspro.2014.07.117>
- Dangi, A., & Srivastava, S. (2014). Educational data Classification using Selective Naïve Bayes for Quota categorization. *2014 IEEE International Conference on MOOC, Innovation and Technology in Education (MITE)*, 118–121. <https://doi.org/10.1109/MITE.2014.7020253>
- de Morais, A. M., Araujo, J. M. F. R., & Costa, E. B. (2014).

**Dani Akbar Nopria, 2018**

**IMPLEMENTASI EDUCATIONAL DATA MINING  
UNTUK KLASIFIKASI KONSENTRASI PADA PROGRAM STUDI  
PENDIDIKAN TEKNIK ELEKTRO**

Universitas Pendidikan Indonesia | [repository.upi.edu](http://repository.upi.edu) |  
[perpustakaan.upi.edu](http://perpustakaan.upi.edu)

- Monitoring student performance using data clustering and predictive modelling. *2014 IEEE Frontiers in Education Conference (FIE) Proceedings*, 1–8. <https://doi.org/10.1109/FIE.2014.7044401>
- Devasia, T., Vinushree, T.P., & Hedge, V. (2016). Prediction of students performance using Educational Data Mining. *2016 International Conference on Data Mining and Advanced Computing (SAPIENCE)*, 91–95. <https://doi.org/10.1109/SAPIENCE.2016.7684167>
- Du, X., Cai, Y., Wang, S., & Zhang, L. (2017). Overview of deep learning. *Proceedings - 2016 31st Youth Academic Annual Conference of Chinese Association of Automation, YAC 2016*, 159–164. <https://doi.org/10.1109/YAC.2016.7804882>
- Dunkel, B., Soparkar, N., Szaro, J., & Uthurusamy, R. (1997). Systems for KDD: From concepts to practice. *Future Generation Computer Systems*, 13(2–3), 231–242. [https://doi.org/10.1016/S0167-739X\(97\)00023-X](https://doi.org/10.1016/S0167-739X(97)00023-X)
- Elatia, S., Ipperciel, D., & Zaiane, O. R. (Eds.). (2016). *Data Mining and Learning Analytics: Applications in Education Research*. John Wiley & Sons, Inc.
- Han, J., & Kamber, M. (2006). *Data Mining: Concepts and Techniques*. Elsevier (2nd ed.). Elsevier Inc. Retrieved from <http://link.springer.com/10.1007/978-3-642-30157-5>
- Hari Ganesh, S., & Joy Christy, A. (2015). Applications of Educational Data Mining: A survey. *ICIIIECS 2015 - 2015 IEEE International Conference on Innovations in Information, Embedded and Communication Systems*. <https://doi.org/10.1109/ICIIIECS.2015.7192945>
- Kemenristekdikti. (2017). *Statistik Pendidikan Tinggi Tahun 2017*. Jakarta: Pusat Data dan Informasi Iptek Dikti. Retrieved from [http://www.mohe.gov.my/web\\_statistik/](http://www.mohe.gov.my/web_statistik/)
- Lauzon, F. Q. (2012). An introduction to deep learning. *2012 11th International Conference on Information Science, Signal Processing and Their Applications, ISSPA 2012*, (April), 1438–1439. <https://doi.org/10.1109/ISSPA.2012.6310529>
- Mayilvaganan, M., & Kalpanadevi, D. (2014). Cognitive skill analysis for students through problem solving based on data mining

**Dani Akbar Nopia, 2018**

**IMPLEMENTASI EDUCATIONAL DATA MINING  
UNTUK KLASIFIKASI KONSENTRASI PADA PROGRAM STUDI  
PENDIDIKAN TEKNIK ELEKTRO**

Universitas Pendidikan Indonesia | repository.upi.edu |  
perpustakaan.upi.edu

- techniques. *Procedia Computer Science*, 47(C), 62–75. <https://doi.org/10.1016/j.procs.2015.03.184>
- Mhetre, V., & Nagar, M. (2018). Classification based data mining algorithms to predict slow, average and fast learners in educational system using WEKA. *Proceedings of the International Conference on Computing Methodologies and Communication, ICCMC 2017, 2018-Janua(Iccmc)*, 475–479. <https://doi.org/10.1109/ICCMC.2017.8282735>
- Montmarquette, C., Cannings, K., & Mahseredjian, S. (2002). How do young people choose college majors? *Economics of Education Review*, 21(6), 543–556. [https://doi.org/10.1016/S0272-7757\(01\)00054-1](https://doi.org/10.1016/S0272-7757(01)00054-1)
- Peña-Ayala, A. (2014). *Educational Data Mining: Applications and Trends. Studies in Computational Intelligence*. <https://doi.org/10.1007/978-3-319-02738-8>
- Pruthi, K., & Bhatia, P. (2016). Application of Data Mining in predicting placement of students. *Proceedings of the 2015 International Conference on Green Computing and Internet of Things, ICGCIoT 2015*, 528–533. <https://doi.org/10.1109/ICGCIoT.2015.7380521>
- RapidMiner. (2014). *RapidMiner Studio Manual*. <https://doi.org/http://docs.rapidminer.com/downloads/RapidMiner-v6-user-manual.pdf>
- RapidMiner GmbH. (2018). *RapidMiner 8 Operator Reference Manual*.
- Romero, C., Ventura, S., Pechenizkiy, M., & Baker, R. S. J. D. (Eds.). (2011). *Handbook of Educational Data Mining*. CRC Press.
- Romero, C., & Ventura, S. (2007). Educational data mining: A survey from 1995 to 2005. *Expert Systems with Applications*, 33(1), 135–146. <https://doi.org/10.1016/j.eswa.2006.04.005>
- Romero, C., & Ventura, S. (2010). Educational data mining: A review of the state of the art. *IEEE Transactions on Systems, Man and Cybernetics Part C: Applications and Reviews*, 40(6), 601–618. <https://doi.org/10.1109/TSMCC.2010.2053532>
- Shahiri, A. M., Husain, W., & Rashid, N. A. A. (2015). A Review on Predicting Student's Performance Using Data Mining Techniques. *Procedia Computer Science*, 72, 414–422. <https://doi.org/10.1016/j.procs.2015.12.157>

**Dani Akbar Nopria, 2018**

**IMPLEMENTASI EDUCATIONAL DATA MINING  
UNTUK KLASIFIKASI KONSENTRASI PADA PROGRAM STUDI  
PENDIDIKAN TEKNIK ELEKTRO**

Universitas Pendidikan Indonesia | repository.upi.edu |  
perpustakaan.upi.edu

- Silva-Palacios, D., Ferri, C., & Ramirez-Quintana, M. J. (2017). Improving Performance of Multiclass Classification by Inducing Class Hierarchies. *Procedia Computer Science*, 108, 1692–1701. <https://doi.org/10.1016/j.procs.2017.05.218>
- Universitas Pendidikan Indonesia. (2015). Pedoman Penyelenggaraan Pendidikan UPI Tahun 2015.
- Universitas Pendidikan Indonesia. (2018). Struktur Kurikulum dan Sebaran Mata Kuliah Program Studi Pendidikan Teknik Elektro. Retrieved February 1, 2018, from [www.upi.edu/main/file/kurikulum/Pend.Teknik Elektro.pdf](http://www.upi.edu/main/file/kurikulum/Pend.Teknik Elektro.pdf)
- Wahid, H., Ahmad, S., Nor, M. A. M., & Rashid, M. A. (2017). *Prestasi kecekapan pengurusan kewangan dan agihan zakat: perbandingan antara majlis agama islam negeri di Malaysia*. *Jurnal Ekonomi Malaysia* (1st ed., Vol. 51). Boston: Pearson Addison Wesley. <https://doi.org/10.1017/CBO9781107415324.004>
- Zengin, K., Esgi, N., Erginer, E., & Aksoy, M. (2011). A sample study on applying data mining research techniques in educational science: Developing a more meaning of data. *Procedia - Social and Behavioral Sciences*, 15, 4028–4032. <https://doi.org/10.1016/j.sbspro.2011.04.408>

Dani Akbar Nopia, 2018

**IMPLEMENTASI EDUCATIONAL DATA MINING  
UNTUK KLASIFIKASI KONSENTRASI PADA PROGRAM STUDI  
PENDIDIKAN TEKNIK ELEKTRO**

Universitas Pendidikan Indonesia | [repository.upi.edu](http://repository.upi.edu/) |  
[perpustakaan.upi.edu](http://perpustakaan.upi.edu)