

DAFTAR PUSTAKA

A

Asan, U., Soyer, A., and Serdarasan, S., 2012, A Fuzzy Analytic Network Process Approach. C. Kahraman (ed.), Computational Intelligence Systems in Industrial Engineering, Atlantis Computational Intelligence Systems 6, Atlantis Press.

B

Baba A.F, Kuşçu D, and Han K., 2009, Developing A Software For Fuzzy Group Decision Support System: A Case Study, *The Turkish Online Journal of Educational Technology-TOJET*,3,8,22-29, www.tojet.net/articles/v8i3/833.pdf, diakses tanggal 20 Agustus 2010.

Bai, H., and Zhan, Z., 2011. An IT Project Selection Method Based On Fuzzy Analytic Network Process, *Proceedings of International Conference on System Science, Engineering Design and Manufacturing Informatization*, 275-279.

Başaran,B., 2012. A Critique on The Consistency Ratios of Some Selected Articles Regarding Fuzzy AHP and Sustainability, 3rd International Symposium on Sustainable Development, May 31 - June 01 2012, Sarajevo

Bellman, R.E. dan Zadeh, L.A., 1970., Decision Making in Fuzzy Environment. *Management Science* Vol 17 No 4 December 1970

Boran, S., and Goztepe, K., 2010, Development of a fuzzy decision support system for commodity acquisition using fuzzy analytic network process, *Expert Systems with Applications* 37 (2010) 1939–1945

Brookhart,S.M. and Nitko,A.J., 2008, *Assessment and Grading in Classrooms*. Pearson Education, Inc., New Jersey.

Brown, G., 2001, *Assessment: A Guide for Lecturers*. Assessment Series No 3, Learning and Teaching Support Network (LTSN) Generic Center, York science Park.

Brunelli, M., Canal, L., and Fedrizzi, M., 2013, Inconsistency indices for pairwise comparison matrices: a numerical study, *Ann Oper Res* 211, pp. 493–509 DOI 10.1007/s10479-013-1329-0.

Bullock, A.A., and Hawk, P.P., 2005, *Developing a Teaching Portofolio, A Guide for Preservice and Practicing Teachers. Second Edition*, Pearson Education, Inc. New Jersey.

Buyuközkan, G., Ertay, T., Kahraman, C., Ruan, D. 2004. Determining the Importance Weights for the Design Requirements in the House of Quality Using the Fuzzy Analytic Network Approach. *International Journal of Intelligent Systems*, 19, 443–461.

C

Cabrerizo, F.J., Moreno, J. M., Pe´rez, I. J., and Herrera-Viedma, E., 2010, Analyzing Consensus Approaches in Fuzzy Group Decision Making: advantages and drawbacks, *Soft Comput (2010)*, 14, 451–463.

Çagman, N., and Gökbulut, Y., 2005, New Membership Functions for the Law’s Fuzzy Educational Grading System, *International Journal of Computational Cognition (<http://www.yangsky.com/yangijcc.htm>)*, 3, 3, 49-52.

Çalış, G., Göktepe, A. B. and Yüksel, O., 2006, Fuzzy Rule-Base Model to Evaluate Student Performance, *Proceeding of 7th WFEO World Congress on Engineering Education-Mobility of Engineers*, Budapest Hungary, 4-8 March 2006.

Carless, D., 2007, Learning-Oriented Assessment Conceptual Bases and Practical Implications, *Innovation in Education and Teaching International*, 1, 44, 57-66.

Carley, K. M., 1999, Validating Computational Models, CASOS Working Paper, CMU, www.econ.iastate.edu/tesfatsi/empvalid.carley.pdf, diakses tanggal 24 Maret 2013.

Carrasco, R.A., Villar, P., Hornos, M.J., and Herrera-Viedma, E., 2011, A Linguistic Multi-Criteria Decision Making Model Applied to the Integration of Education Questionnaires, *International Journal of Computational Intelligence Systems*, 5, 4, 946-959.

Chang, D.-Y., 1996, Applications of the extent analysis method on fuzzy AHP, *European Journal of Operational Research* 95 (1996) 649-655.

Chang, K.-H., Chain, K., and Chou, M.-T., 2015, Integrating the 2-tuple model and fuzzy analytical hierarchy method to solve higher education student selection problems, *International Journal of Innovative Computing, Information and Control Vol 11 Number 2 April 2015* ISSN 1349-4198 pp. 733-742

- Chanyachatchawan, S., Yan, H.-B., Sriboonchitta, s., and Huynh, V.-N., 2016, A Linguistic Representation Method for Kansei Data, *IEEE Conference Publications on Joint 8th International Conference on Soft Computing and Intelligent Systems (SCIS) and 17th International Symposium on Advanced Intelligent Systems (ISIS)*, 2016, Pages 194 - 199, DOI: 10.1109/SCIS-ISIS.2016.0050
- Chen, C.-T, 2000, Extensions of the TOPSIS for group decision-making under fuzzy environment, *Fuzzy Sets and Systems* 114 (2000) 1-9
- Chen, Z., 2005, Consensus in Group Decision Making Under Linguistic Assessments. *Dissertation*, College of Engineering, Kansas State University, Manhattan Kansas.
- Chen, Y.-H., Wang, T.-C, and Wu, C.-Y., 2011, Multi-criteria decision making with fuzzy linguistic preference relations, *Applied Mathematical Modelling* 35 (2011) 1322–1330
- Chetia, B. and Das. P.K., 2011, Application of Vague Soft Sets in students' evaluation, *Advances in Applied Science Research*, 2, 6, 418-423.
- Cordon, O., Herrera, F., and Peregrin, A., 1997. Applicability of the fuzzy operators in the design of fuzzy logic controllers, *Fuzzy Sets and Systems* 86 (1997) 1541.
- Cronbach, L.J., 1960., *Essential of psychological testing*. New York: Harper and Ross
- D
- Dağdeviren, M., and Yüksel, I., 2010, A fuzzy analytic network process (ANP) model for measurement of the sectoral competitiveness level (SCL), *Expert Systems with Applications* 37 (2010) 1005–1014
- Demirel, T., Demirel, N.C., and Kahraman, C., 2008, Fuzzy Analytic Hierarchy Process and its application, Kahraman, C. (Ed.), *Fuzzy Multi-Criteria Decision Making, Theory and Applications with Recent Developments*, Springer, New York.
- Duffy, T.M. and Jonassen, D.H., 1992, *Constructivism and the technology of instruction, A conversation*, Lawrence and Erlbaum Associates Publisher, New Jersey.
- Dutta, B., Guha, D., and Mesiar, R. 2014. A Model Based on Linguistic 2-tuples for dealing with heterogeneous Relationship among Attributes in Multi-expert

Decision Making. *IEEE Transaction on Fuzzy Systems, Vol.PP, Issue 99, 2014*. DOI: 10.1109/TFUZZ.2014.2379291

E

Eshlaghy, A.T. and Radfar, R. 2006. A New Approach for Classification of Weighting Methods, *IEEE International Conference on Management of Innovation and Technology, 2006, Volume: 2*, DOI: 10.1109/ICMIT.2006.262391 Publication Year: 2006 , Page(s): 1090 - 1093 IEEE Conference Publications .

Espinilla,M., Lu,J., JunMa, and Mart'inez, L., 2012, An Extended Version of the Fuzzy Multicriteria Group Decision-Making Method in Evaluation Processes, *Proceedings of the 14th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU 2012) Part I, Catania Italy, 9-13 July 2012*.

F

Fourali, C., 1997, Using Fuzzy Logic in Educational Measurement: The Case of Portfolio Assessment, *Evaluation And Research In Education, 3, 11, 129-148*.

Fu, X., and Shen, Q., 2011, Fuzzy Complex Numbers and Their Application for Classifiers Performance Evaluation, *Pattern Recognition, 7, 44, 1403-1417*.

Fulop, J., 2005, *Introduction to Decision Making Methods*, Laboratory of Operation Research and Decision Systems, Computer and Automation Institute, Hungarian Academy of Sciences.

G

Gao, Y., Yang, J., and Liu,F., 2009, The Research on The Comprehensive Assessment of Higher Engineering Education Based on Fuzzy Comprehensive Evaluation Method, *Proceeding of IEEE Second International Conference on Future Information Technology and Management Engineering (FITME'09)*, Sanya China, 13-14 Dec. 2009.

Garci`a, J.M.T., del Moral, M.J., Martinez, M.A., and Herrera-Viedma,E., 2012, A Consensus Model for Group Decision Making Problems with Linguistic Interval Fuzzy Preference Relations, *Expert Systems with Applications, 39, 10022–10030*.

Garfield, J.B., 1994, Beyond Testing and Grading: Using Assessment to Improve Student Learning, *Journal of Statistics Education, 1, 2, www.amstat.org/*

publications/jse/v2n1/garfield.html, diakses tanggal 9 Maret 2012.

Geethalakshmi, M., Jose Praveena, N., and Rajkumar, A., 2012, Result Analysis of Students Using Fuzzy Matrices, *International Journal of Scientific and Research Publications*, 4, 2, 2250-3153.

Gipps, C., and Stobart, G., 2010, *Alternative Assessment*, Harlen, W. (Ed.), *Student Assessment and Testing Volume 2*. Sage Library of educational Thought and practice, Los Angeles.

H

Hachicha, R.M., Dafaoui, E.-M., El Mhamedi, A., 2009, Competence evaluation approach based on 2-tuple linguistic representation model, *IEEE Conference Publications on the 16th International Conference on Industrial Engineering and Engineering Management, ICIEEM '09*, 879 - 884

Hameed, I.A., and Sorensen, C.G., 2010, Fuzzy Systems in Education: A More Reliable System for Student Evaluation, Azar, A.T. (Ed.), *Fuzzy Systems*, INTECH, Croatia. <http://www.intechopen.com> diakses tanggal 21 Maret 2011

Herrera, F. and Martínez, L., 2000a. A 2-Tuple Fuzzy Linguistic Representation Model for Computing with Words, *IEEE Transactions On Fuzzy Systems*, Vol. 8, No. 6, , pp. 746–752, December 2000

Herrera, F., and Martínez, L., 2000b, An Approach for combining linguistic and Numerical Information based on the 2-Tuple Fuzzy Linguistic Representation model in Decision Making, *International Journal of Uncertainty, Fuzziness and Knowledge-Based systems*, Vol 8, No.5, pp. 539-562

Herrera, F., and Herrera-Viedma, E., 2000, Linguistic Decision Analysis: Steps for Solving Decision Problems Under Linguistic Information, *Fuzzy Sets and Systems* 115, 67-82.

Herrera-Viedma, E., Cabrerizo, F.J., Pérez, I.J., Cobo, M.J., Alonso, S., and Herrera, F., 2011, *Applying Linguistic OWA Operators in Consensus Models under Unbalanced Linguistic Information*, Yager, dkk. (Eds.), *Recent Developments in the OWA Operators*, STUDEFUZZ 265, Springer-Verlag, Berlin Heidelberg.

Herrera-Viedma, E., Herrera, F., Martínez, L., Herrera J.C., and Lopez, A.G. 2004, Incorporating filtering techniques in a fuzzy linguistic multi-agent model for

information gathering on the web. *Fuzzy Sets and Systems* 148 (2004) 61–83

Hisham, B., Daud and Hashimah, N., 2004, A Fuzzy Approach on Students' Answer Scripts Criteria Based Evaluation, *Proceeding of the 12th Mathematical Sciences National Symposium, IIUM*, Malaysia, 23 - 24 Dec 2004.

Hristova, M., and Sotirova, E., 2008, Multifactor Method of Teaching Quality Estimation at Universities with Intuitionistic Fuzzy Evaluation, [*Notes on Intuitionistic Fuzzy Sets \(NIFS\)*](#), 2, 14, 80-83.

Huynh, V.-N., and Nakamori, Y., 2011, A Linguistic Screening Evaluation Model in New Product Development, *IEEE Transaction on Engineering Management*, 2011, Volume: 58, Issue: 1, Pages: 165 - 175, DOI: 10.1109/TEM.2009.2028326

J

Jahromi, M.B., Kamalzadeh, S., and Tajik, H., 2015, Portfolio Optimization Using a Combined Model of Fuzzy Network Analytic Process: An Approach Based on Similarity and Genetic Algorithm, *International Journal of Economics and Finance*; Vol. 7, No. 8; 2015

Johanyák, Z.C., 2009, Survey on Four Fuzzy Set Theory Based Student Evaluation Methods, *Proceedings of Kecskemét College XXIII*, Faculty of Technology (GAMF), Kecskemét, Hungary.

Ju, Y., Wang, A., and Liu, X., 2012, Evaluating emergency response capacity by fuzzy AHP and 2-tuple fuzzy linguistic approach. *Expert Systems with Applications* 39, 6972–6981

K

Kahraman, C., Ertay, T., and Buyukozkan, G., 2006, A fuzzy optimization model for QFD planning process using analytic network approach, *European Journal of Operational Research* 171 (2006) 390–411

Kahraman, C., 2008, *Multi-Criteria Decision Making Methods and Fuzzy Sets*, Kahraman, C. (Ed.), *Fuzzy Multi-Criteria Decision Making, Theory and Applications with Recent Developmen*, Springer, New York.

Kahraman, C., and Kulak, O., 2008, Fuzzy Multi-Attribute Decision Making Using an Information Axiom-Based Approach, Kahraman, C. (Ed.), *Fuzzy Multi-Criteria Decision Making, Theory and Applications with Recent Developmen*,

Springer, New Yorks

Khan, A.R., Amin, H.U., and Rehman, Z.U., 2011, Application of expert System with Fuzzy Logic in Teachers' Performance Evaluation, *International Journal of Advanced Computer Science and Application (IJACSA)*, 2, 2, 51-57.

Kim, S.H. and Kim, S., 2013, "Incorporating Diagnostic Aspects to Mathematical Affects Inventory Development", *International Journal of Evaluation and Research in Education (IJERE)* Vol.2, No.4, December 2013, pp. 163~174
ISSN: 2252-8822

Klir, G.J and Yuan, B., 1995, *Fuzzy Sets and Fuzzy Logic Theory and Applications*, Prentice-Hall International, Inc., New Jersey.

Klir, G.J., Clair, U.S., and Yuan, B., 1997, *Fuzzy Sets Theory, Foundation and Applications*, Prentice-Hall International, Inc., New Jersey

Knapp, T.R., 1990, Treating ordinal scales as interval scales: An attempt to resolve the controversy. *Nursing Research*, 1990, 39(2), 121-123.

Kosheleva, O., and Ceberio, M., 2005, Processing Educational Data: From Traditional Statistical Techniques to an Appropriate Combination of Probabilistic, Interval, and Fuzzy Approaches, *Proceedings of the International Conference on Fuzzy Systems, Neural Networks, and Genetic Algorithms FNG'05*, Tijuana, Mexico, 13-14 October 2005.

Kosheleva, O., 2011, Degree-Based (Fuzzy) Techniques in Math and Science Education, *Proceedings of the World Conference on Soft Computing*, San Francisco, CA, 23-26 May 2011.

Kwok, R. C. W., Zhou, D., Zhang, Q., and Ma, J., 2007, A Fuzzy Multi-Criteria Decision Making Model for IS Student Group Project Assessment, *Group Decision and Negotiation*, 16,1, 25-42.

L

Li, B., Xuning, P., and Bingquan, B., 2009, Modelling of Network Education Effectiveness Evaluation in Fuzzy Analytic Hierarchy Process. *Proceeding of IEEE International Conference on Networking and Digital Society 2009 (ICNDS'09)*, Guiyang, Guizhou (China), 30-31 May 2009.

Li, X., and Li, D., 2011, TOPSIS Method for Chinese College Teacher Performance Appraisal System with Uncertain Information, *Advances in Information Sciences and Service Sciences*, 6,3, 59-64.

Lin, Y., 2009, Method for Risk Evaluation of High-Technology with 2-Tuple Linguistic Information. *Third International Symposium on Intelligent Information Technology Application, IITA 2009*. Volume: 2, 261 – 264

Liu, Y., Xu, J., and Nie, W., 2011, Assessment of Capacity of Flood Disaster Prevention and Reduction with 2-tuple Linguistic Information, *Journal of Convergence Information Technology*, Volume 6, Number 7

Lu, J., Zhang, G., and Wu, F., 2005, Web-based Multi-Criteria Group Decision Support System with Linguistic Term Processing Function, *IEEE Intelligent Informatics Bulletin*, 1, 5, 35-43.

M

Ma, J., and Zhou, D., 2000, Fuzzy Set Approach to the Assessment of Student-Centered Learning. *IEEE Transactions on Education*, 2, 43, 237-241.

Malpe, V., and Bhatia, S., 2012, Evaluation of Students' Answer scripts Using Soft Computing Techniques, *International Journal of Modern Engineering Research (IJMER)* 3, 2, 1280-1289.

Mardapi, D., 2012, *Pengukuran, Penilaian & Evaluasi Pendidikan*, Nuha Litera, Yogyakarta.

Martinez, L., Ruan, D., and Herrera, F., 2010, Computing with Words in Decision support Systems: An Overview on Models and Applications, *International Journal of Computational Intelligence Systems*, Vol.3, No. 4, pp. 382-395

Martinez, L., and Herrera, F., 2012, An overview on the 2-tuple linguistic model for computing with words in decision making: Extensions, applications and challenges, *Information Sciences* 207 (2012) pp. 1–18

Espinilla, M., de Andr'es, R., Mart'inez, F.J., and Mart'inez, L., 2013, A 360-Degree Performance Appraisal Model Dealing with Heterogeneous Information and Dependent Criteria, *Information Sciences* 222: 459–471

Marzano, R.J, Pickering, D.J, and McTighe, J., 1994, *Assesing student Outcomes: Performance assesment using the dimensions of learning model*, Association for supervision and curriculum development, Alexandria, Virginia USA.

Mehrjerdi, Y.Z., 2012, Developing Fuzzy TOPSIS Method based on Interval valued Fuzzy Sets, *International Journal of Computer Applications*, 14, 42, 7-18.

Moreno, J.M., Morales del Castillo, J.M., Porcel, C., Herrera-Viedma, E., 2010, A quality evaluation methodology for health-related websites based on a 2-tuple fuzzy linguistic approach, *Soft Computing* 14:887–897, Springer-Verlag

Mossin, E.A., Pantoni, R.P., and Brandão, D., 2010, Students' Evaluation based on Fuzzy Sets Theory, Azar, A.T., (Ed.), *Fuzzy Systems*, INTECH, Croatia. . <http://www.intechopen.com> diakses tanggal 21 Maret 2011

Muchtar, H., 2010, Penerapan Penilaian Autentik dalam Upaya Peningkatan Mutu Pendidikan, *Jurnal Pendidikan Penabur*, 14, 68-76.

N

Nilashi, M., Ahmadi, H., Ahani, A., Ravangard, R., and Othman bin Ibrahim, 2016, Determining the importance of Hospital Information System adoption factors using Fuzzy Analytic Network Process (ANP), *Technological Forecasting & Social Change* 111 (2016) 244–264

O

Özdağoğlu, A., 2012. A multi-criteria decision-making methodology on the selection of facility location: fuzzy ANP, *International Journal of Advance Manufacture Technology*, 59, 787–803

Öztayşi, B., and Kutlu, A.C., 2011. Determining the Importance of Performance Measurement Criteria Based on Total Quality Management Using Fuzzy Analytical Network Process, Wang, Y., and Li, T., (Eds.): *Practical Applications of Intelligent Systems*, AISC 124, pp. 391–400. Springerlink.com © Springer-Verlag Berlin Heidelberg

Öztürk, Z. K. 2006. A review of multi criteria decision making with dependency between criteria, *International Conference on Multiple Criteria Decision Making (MCDM) 2006*, Chania, Greece, June 19-23, 2006

P

Pérez, I.J., Alonso, S., Cabrerizo, F.J., Lu, J., and Herrera-Viedma, E., 2011, Modelling Heterogeneity among Experts in Multi-criteria Group Decision Making Problems, *Proceeding of the 8th International Conference on Modeling Decisions for Artificial Intelligence (MDAI 2011)*, *Lecture Notes in Artificial Intelligence (LNAI) 6820*, pp. 55-66, Changsha, Hunan (China), 28-30 July 2011.

Pei, Z., Yi, L.-Z., and Du, Y.-D., 2006, A New Aggregation Operator of Linguistic

Information and Its Properties, *Proceeding of IEEE International Conference on Granular Computing*, Atlanta, Georgia, USA, 10-12 May 2006.

Power, D.J., 2005, What is a Group Decision Support System (GDSS)? How do GDSS work?, <http://dssresources.com/faq/pdf/38.pdf>, diakses tanggal 15 September 2010.

Promentilla MAB, Furuichi T., Ishii K., Tanikawa N., 2008. A fuzzy analytic network process for multi-criteria evaluation of contaminated site remedial countermeasures. *Journal of Environmental Management*, 2008; 88 (3), 479–495.

R

Ramli, N., and Mohamad, D., 2009, A Centroid-Based Performace Evaluation Using Aggregated Fuzzy Numbers, *Applied Mathematical Sciences*, 48, 3, 2369 – 2381.

Rasmani,K.A., and Shen, Q., 2006, Data-Driven Fuzzy Rule Generation and Its Application for Student Academic Performance Evaluation, *Applied Intelligence*, 3, 25, 305-319.

Reynolds, C.R., Livingstone, R.B., and Willson, V., 2010, *Measurement and Assessment in Education, Second Edition*, Pearson, New Jersey.

Rose, L., 2011, Norm-Referenced Grading in the Age of Carnegie: Why Criteria-Referenced Grading Is More Consist with Current Trends in Legal Education and How Legal Writing Can Lead the Way, *The Journal of the Legal Writing Institute*, 17, 123-159.

Runkler, T.A., 2016, Generation of linguistic membership functions from word vectors, *IEEE Conference Publication of International Conference on Fuzzy Systems (FUZZ-IEEE)*, 2016, Pages: 993 - 999, DOI: 10.1109/FUZZ-IEEE.2016.7737796

S

Sadler, D.R., 2005, Interpretations of Criteria-Based Assessment and Grading in Higher Education, *Assessment & Evaluation in Higher Education*, 2, 30, 175-194.

Sadler, D.R., 2010, *Formative Assessment and the Design of Instructional Systems*. Harlen, W. (Ed.), *Student Assessment and Testing Volume 2*, Sage Library of Educational Thought and Practice, Los Angeles.

- Saikia, B. K., 2011, An Application of Fuzzy Soft Sets in Students' Evaluation, *International Journal of Mathematical Archive*, 10, 2, 1916-1919.
- San Lin, C., Tung Chen, C., and Shing Chen, F., 2013. Applying 2-tuple linguistic variables to assess the teaching performance based on the viewpoints of students. *Proceeding of 2013 International Conference on Fuzzy Theory and Its Application National Taiwan University of science and Technology*, Taipei, Taiwan, Dec. 6-8, 2013.
- Sangka, K.B., and Hussain, O.K., 2010, Balanced Scorecard-Based Approach to Ascertain the Quality of Education, *Proceeding of IEEE International conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC)*, Fukuoka Japan, 4-6 Nov 2010.
- Santos, F.J.J., and Camargo, H.A., 2010, Fuzzy Systems for Multicriteria Decision Making, *CLEI Electronic Journal*, 3, 13, 25-32.
- Saxena, N., and Saxena, K.K., 2010, Fuzzy Logic Based Students Performance Analysis Model for Educational Institutions, *International Journal of Research*, 1, 79-86.
- Shi, C., Cheng, Y., Pan, Q., and Lu, Y., 2010, A New Method to Determine Evidence Distance, *IEEE conference Publications of International Conference on Computational Intelligence and Software Engineering*, 2010, Pages: 1 - 4, DOI: 10.1109/CISE.2010.5676947
- Shidpour, H., Da Cunha, C., and Bernard, A., 2016, Group multi-criteria design concept evaluation using combined rough set theory and fuzzy set theory, *Expert Systems With Applications* 64 (2016) 633–644
- Sokolov, O., and Molchanova, O., 2011, Fuzzy Assessment of Test Results, *Proceeding of The 7th conference of the European Society for Fuzzy Logic and Technology (EUSFLAT-2011) and "les rencontres francophones sur la Logique Floue et ses Applications" (LFA-2011) EUSFLAT-LFA 2011*, Aix-Les-Bains France, 18-22 July 2011.
- Stiggins, R.J., 2002, A Special Section on Assessment. Assessment Crisis: The Absence of Assessment for Learning, *Phi Delta Kappan*, 10, 83, 758-765.
- Suliyanto, 2011, Perbedaan Pandangan Skala Likert sebagai Skala Ordinal atau Skala Interval, *Prosiding Seminar Nasional Statistika Universitas Diponegoro 2011* ISBN: 978-979-097-142-4, pp. 51-60.

T

Tay, M.K., Chen, C.J. and Lee, K.K., 2009, Application of Fuzzy Inference System (FIS) to Criterion-Referenced Assessment with A Case Study, *Proceedings of the 2nd International Conference of Teaching and Learning (ICTL 2009)*, INTI University College, Malaysia, 16-18 November 2009.

Tay, M.K., Lim, P. C. and Jee, T. L., 2010, Enhancing Fuzzy Inference System Based Criterion-Referenced Assessment with An Application, *Proceedings 24th European Conference on Modelling and Simulation, ECMS*, Kuala Lumpur, Malaysia, 1 - 4 June 2010.

Thorndike, R.M. and Thorndike-Christ, T., 2010, *Measurement and Evaluation in Psychology and Education, Eighth Edition*, Pearson Education Inc., Boston.

Tseng, G.H. and Huang, J.J., 2011, *Multiple Attribute Decision Making, Methods and Application*, CRC Press, Boca Raton.

Turban, E. and Aronson, J., 2001, *Decision Support Systems and Intelligent Systems, 6th ed.*, Prentice Hall, New Jersey.

Turban, E., Sharda, R., and Delen, D., 2011, *Decision Support and Business Intelligence Systems, Ninth Edition*, Pearson Education, New Jersey.

Turskis, Z. and Zavadskas, E.K., 2010, A Novel Method for Multiple Criteria Analysis: Grey Additive Ratio Assessment (ARAS-G) Method, *Informatica*, 4, 21, 597–610.

U

Upadhya, M.U. , 2012, Fuzzy Logic Based Evaluation of Performance of Students in Colleges, *Journal of Computer Applications (JCA)*, 1, 5, 6-9.

Uygun, Ö., Kaçamak, H., and Kahraman, Ü.A., 2015, An integrated DEMATEL and Fuzzy ANP techniques for evaluation and selection of outsourcing provider for a telecommunication company, *Computers & Industrial Engineering* 86 (2015) 137–146

Uygun, Ö., and Dede, A., 2016, Performance evaluation of green supply chain management using integrated fuzzy multi-criteria decision making techniques, *Computers & Industrial Engineering* 102 (2016) 502–511

V

Van, L.H., Chou, S.-Y., Yu, V.F., and Dat, L.Q., 2016, Supplier selection and evaluation using generalized fuzzy multi-criteria decision making approach, *IEEE Conference Publications of Eighth International Conference on Knowledge and Systems Engineering (KSE)*, 2016, Pages: 31-36, DOI: 10.1109/KSE.2016.7758025

Voskoglou, M.Gr., 2015, Use of the Triangular Fuzzy Numbers for Student Assessment, *American Journal of Applied Mathematics and Statistics*, 2015, Vol. 3, No. 4, 146-150. Available online at <http://pubs.sciepub.com/ajams/3/4/2> DOI:10.12691/ajams-3-4-2

W

Wang, H., Chen, N., and Yuan, Z., 2010, Research on Teaching Evaluation Method Based on Fuzzy Comprehensive Assessment and Markov Chain, *Proceeding of IEEE International Symposium on Computational Intelligence and Design 2010 (ISCID)*, Hangzhou China, 29-31 Oct 2010.

Wang, X., 2011, Model for Tourism Management with 2-tuple Linguistic Information, *Advances in Information Sciences and Service Sciences*. Volume 3, Number 4 May 2011, pp 34-39.

Wang, L-X., 1997, *A Course in Fuzzy Systems and Control*, Prentice-Hall International Inc., Englewood Cliffs.

Wang, H-Y., and Chen, S-M., 2006, New Methods for Evaluating Students' Answerscripts Using Fuzzy Numbers Associated with Degrees of Confidence, *Proceeding of 2006 International Conference on Fuzzy Systems*, Sheraton Vancouver Wall Centre Hotel Vancouver BC Canada, 16-21 July 2006.

Wardhani, S., 2004, *Penilaian Pembelajaran Matematika Berbasis Kompetensi*, PPPG Matematika, Yogyakarta.

Wu, H-Y., Chen, J-K., Chen, I-S., and Zhuo, H-H., 2012, Ranking Universities Based on Performance Evaluation by a Hybrid MCDM Model, *Measurement*, 45, 856-880.

Y

Yusof,N., Ahmad,N.B., Othman, M.S., and Nyen.Y.C., 2012, A Concise Fuzzy Rule Base to Reason Student Performance Based on Rough-Fuzzy Approach, Azeem, M.F. (Ed.), *Fuzzy Inference System - Theory and Applications*, InTech, <http://www.intechopen.com/books/fuzzy-inference-system-theory-and-applications/a-concise-fuzzy-rulebase-to-reason-student-performance-based-on-rough-fuzzy-approach>, diakses tanggal 10 Maret 2012.

Z

Zadeh, L.A., 1999, From Computing with Numbers to Computing with Words-From Manipulation of Measurements to Manipulation of Perceptions, *IEEE Transactions on Circuits and Systems-I: Fundamental, Theory and Applications*, Vol.45 No.1, January 1999.

Zaim,S., Sevкли,M., Camgöz-Akdag, H., Demirel,O.F., Yayla, A.Y., and Delen , D., 2014, Use of ANP weighted crisp and fuzzy QFD for product development, *Expert Systems with Applications* 41 (2014) 4464–4474

Zainul, A., 2005, *Alternative Assesment*. Pusat Antar Universitas - Peningkatan dan Pengembangan Aktivitas Instruksional - Universitas Terbuka (PAU-PPAI-UT). Jakarta.

Zhang, S., 2011, A model for evaluating computer network security systems with 2-tuple linguistic information, *Computers and Mathematics with Applications*, 62, 1916–192

Zikmund, W., Babin, B., Carr, J., and Griffin, M., 2012, *Business Research Methods*. Cengage Learning, 2012 pp. 237.