

DAFTAR PUSTAKA

- A. Bouchboua, R. Ouremchi and M. El ghazi. (2018). "Educational Content Development Process in "CleverUniversity": Our Dynamic Adaptive Hypermedia Environment", *iJET – Volume 11, Issue 12*
- Abdalla Alameen, Bhawna Dhupia. (2019). "Implementing Adaptive e-Learning Conceptual Model: A Survey and Comparison with Open Source LMS", *iJET*
- Ahmed Ewais.(2020). "Adaptive MOOCs Based on Intended Learning Outcomes Using Naïve Bayesian Technique", *iJET – Vol. 15, No. 4*
- Allen, M. (2012). Leaving ADDIE for SAM: An Agile Model for Developing the Best Learning Experiences. ASTD Press.
- Alzain Meftah Alzai, Steve Clark, Ali Jwaid. (2018). "Adaptive Education based on Learning Styles: Are Learning Style Instruments Precise Enough?", *iJET*
- Amiruddin Kade, I Nyoman Sudana Degeng, Muhammad Nur Al.(2019). "Effect of Jigsaw Strategy and Learning Style to Conceptual Understanding on Senior High School Students", *iJET – Vol. 14, No. 19*
- Asosiasi *Internet of Things* Indonesia (ASIOTI), 2022. Laporan Tahunan Asosiasi *Internet of Things* Indonesia.
- Asosiasi *Internet of Things* Indonesia. (2022). Laporan Tahunan Asosiasi *Internet of Things* Indonesia 2022. Jakarta: Asosiasi *Internet of Things* Indonesia.
- Bates, A. W., & Sangrà, A. (2011). Managing technology in higher education: Strategies for transforming teaching and learning. John Wiley & Sons. Buku ini mencakup strategi untuk mengelola teknologi dalam pendidikan tinggi, termasuk implementasi dan manajemen LMS.
- Branch, R. M., & Dousay, T. A. (2015). "Survey of Instructional Development Models". Association for Educational Communications and Technology (AECT).
- Branch, R. M., & SpringerLink (Online service). (2009). Instructional design: The ADDIE approach. Boston, MA: Springer-Verlag US.
- Bangor, P.T. Kortum, and J.T. Miller. (2009). "Determining What Individual SUS

- Scores Mean: Adding an Adjective Rating Scale". *Journal of Usability Studies*, 4(3), 114-123.
- Brown, S., & Knight, P. (2012). *Assessing Learners in Higher Education*. Routledge.
- Chaimae Waladi, Mohamed Khaldi, Mohammed Lamarti Sefian. (2023). "Machine Learning Approach for an Adaptive E-Learning System Based on Kolb Learning Styles", *iJET – Vol. 18, No. 12*, 2023.
- D. Baneres, X. Baró, A-E. Guerrero-Roldán, M. E. Rodríguez.(2018). "Adaptive e-Assessment System: A General Approach", *iJET – Volume 11, Issue 7*
- D'Angelo, T., Bunch, J. C., & Thoron, A. (2018). *Instructional Design Using the Dick & Carey Systems Approach*. UF/IFAS Department of Agricultural Education and Communication.
- David Bañeres.(2018). "A Personalized Summative Model based on Learner's Effort" *iJET – Vol. 12, No. 6*.
- Diana Zagulova, Viktorija Boltunova, Sabina Katalnikova, Natalya Prokofyeva, Kateryna Synytsya.(2019). *Personalized E-Learning: Relation Between Felder–Silverman Model and Academic Performance, Applied Computer Systems - Sciendo*
- Dick, W., Carey, L., & Carey, J. O. (2009). *The Systematic Design of Instruction*. Pearson.
- Divyansh Shankar Mishra, Abhinav Agarwal, Sucheta V. Kolekar.(2021). "Dynamic Identification of Learning Styles in MOOC Environment Using Ontology Based Browser", *iJET – Vol. 16, No. 1*.
- Dunn, R., Beaudry, J. S., & Klavas, A. (2002). Survey of research on learning styles. *Educational leadership*, 45(6), 50-58.
- Dyah Lestari Widaningrum and Ho Hwi Chie. (2015). Felder-Silverman Learning Style Model and the Relationship With Academic Performance, *Anima, Indonesian Psychological Journal 2015, Vol. 30, No. 2*, 88-100
- Eugenia Smyrnova-Trybulska, Nataliia Morze, Lilia Varchenko-Trotsenko, 2022, Adaptive learning in university students' opinions: Cross-border research *Jurnal Education and Information Technologies (2022), Springer – Vol. 27, Issue 7, August 2022*

- F. Colace, M. De Santo and L. Greco. (2018). "E-Learning and Personalized Learning Path: A Proposal Based on the Adaptive Educational Hypermedia System", *iJET – Volume 9, Issue 2*
- F. Mampadi, P.A. Mokotedi.(2018). "Towards Effective Combination of Prior Knowledge and Cognitive Styles in Adaptive Educational Hypermedia Systems", *iJET – Volume 7, Issue 3*
- Felder, R., Silverman, L. (1988). Learning and Teaching Styles in Engineering Education. *Engineering Education*, 78 (7): 674–681.
- Felder, R.M. (1996). Matters of Style. *ASEE Prism*, 6(4), 18-23.
- Felder, R.M., & Brent, R. (2005). Understanding Student Differences. *Journal of Engineering Education*, 94(1), 57-72.
- Felder, R.M., & Henriques, E.R. (1995). Learning and Teaching Styles in Foreign and Second Language Education. *Foreign Language Annals*, 28(1), 21-31.
- Felder, R.M., & Soloman, B.A. (1997). Index of Learning Styles. North Carolina State University.
- Felder, R.M., & Spurlin, J. (2005). Applications, Reliability and Validity of the Index of Learning Styles. *International Journal of Engineering Education*, 21(1), 103-112.
- Felix Weber, Johannes Schruppf, Niklas Dettmer, Tobias Thelen.(2022). "A Web-Based Recommendation System for Higher Education: SIDDATA History, Architecture, and Future of a Digital Data-Driven Study Assistant", *iJET – Vol. 17, No. 22*
- Fleming, N. D. (2001). Teaching and Learning Styles: VARK Strategies. Honolulu Community College, 2001.
- Franzoni, A. L., dan Assar, S., 2009, Student Learning Styles Adaptation Method Based on Teaching Strategies and Electronic Media, *Journal Educational Technology & Society*, vol 12, 15–29
- Gaeta , M., Miranda, S., Orciuoli, F., Paolozzi, S. dan Anto, 2013, An Approach To Personalized e-Learning, *Systemics Cybernetics And Informatics Journal*, vol 11, no 1.
- Gagné, R. M., & Medsker, K. L. (1996). The Conditions of Learning: Training Applications. Harcourt Brace.

- Gagné, R. M., Wager, W. W., Golas, K. C., & Keller, J. M. (2005). Principles of Instructional Design. Wadsworth.
- Goh, S. C., & Goh, G. P. (2017). Learning style preferences of construction students: a Felder-Silverman model approach. *Journal of Professional Issues in Engineering Education and Practice*, 143(3), 04017008.
- Graf, S., Viola, S., Leo, T., & , K. (2007). In-Depth Analysis of the Felder-Silverman Learning Style Dimensions. *Journal of Research on Technology in Education*, 40, 79 - 93.
<https://doi.org/10.1080/15391523.2007.10782498>.
- Gregorc, A. R. (1982). Style delineator. Maynard, MA: Gabriel Systems, 1982.
- Gusti Nyoman Pardomuan, Ni Nyoman Parwati, Ketut Agustini.(2020). “Sistem Sistem Personalisasi E-Learning Berorientasi Felder Silverman Learning Style Model Pada Mata Pelajaran Teknik Pengambilan Gambar” *Jurnal EDUTECH Universitas Pendidikan Ganesha. Vol. 8 No. (1) 2020* pp. 167-177 (S2)
- Hasnae Mouzour.(2018). “The Relationships between Students’ Perceived Learning Styles and the Community of Inquiry Presences in a Graduate Online Course”, *iJET – Vol 11, Issue 4*
- Heinich, R., Molenda, M., & Russell, J. D. (1999). The ASSURE Model. *Educational Technology Research and Development*, 47(4), 35-44.
- Heinich, R., Molenda, M., Russell, J. D., & Smaldino, S. E. (2002). *Instructional Media and Technologies for Learning*. Prentice Hall.
- Herrmann, N. (1995). *The Creative Brain, Insights into creativity, communication, management, education and self-understanding*. The Ned Herrmann Group, 1995
- Honey, P., Mumrford, A. (1986). *Using your learning styles*. Maidenhead: Honey, 1986.
- Jun-chang Zhang.(2018). “Adaptive Learning Environment System Based on Multi-event Driven Technology”, *iJET – Volume 11, Issue 11*
- Junfu Xi, Yehua Chen, Gang Wang.(2018).“Design of a Personalized Massive Open Online Course Platform”, *iJET – Vol. 13, No. 4*
- Keller, J. M. (1987). "Development and use of the ARCS model of motivational

- design". *Journal of Instructional Development*, 10(3), 2-10.
- Kemendikbudristek, (2022). Panduan Pembelajaran Jarak Jauh Berbasis LMS. Jakarta: Kemendikbudristek.
- Kementerian Komunikasi dan Informatika Republik Indonesia, 2022. Kajian Pengembangan IoT.
- Kementerian Komunikasi dan Informatika Republik Indonesia. (2022). Kajian Pengembangan *Internet of Things* di Indonesia. Jakarta: Kementerian Komunikasi dan Informatika Republik Indonesia.
- Khalid Benabbes,, Housni Khalid, Zellou Ahmed, Brahim Hmedna, Ali El Mezouary.(2023).“Context and Learning Style Aware Recommender System for Improving the E-Learning Environment”, *iJET – Vol. 18*, No. 09
- Kolb, D. A. (1984). *Experiential learning: Experience as the source of learning and development*. Vol. 1. Englewood Cliffs. NJ : Prentice-Hall, 1984.
- Kolekar, S., Pai, R., & Pai, M. (2017). Prediction of Learner's Profile based on Learning Styles in Adaptive E-learning System. *Int. J. Emerg. Technol. Learn.*, 12, 31-51. <https://doi.org/10.3991/ijet.v12i06.6579>.
- Kolekar, S., Pai, R., & Pai, M. (2018). Adaptive User Interface for Moodle based E-learning System using Learning Styles. *Procedia Computer Science*, 135, 606-615. <https://doi.org/10.1016/J.PROCS.2018.08.226>.
- Liyang Li.(2023). Classroom Teaching Decision-Making Optimization for Students’ Personalized Learning Needs, *iJET – Vol. 18, No. 09*, 2023
- M S Hasibuan, LE Nugroho, P I Santosa, S S Kusumawardani. (2018). “A Proposed Model for Detecting Learning Styles Based on Agent Learning”, *iJET – Volume 11, Issue 10*
- Maslow, A. H. (1943). A Theory of Human Motivation. *Psychological Review*, 50(4), 370-396.
- Mehdi Tmim, Mohamed Benslimane, Mohammed Berrada, Kamar Ouazzani. (2019).“Implemented and Tested Conception Proposal of Adaptation Model for Adaptive Hypermedia”, *iJET – Vol. 14, No. 2*
- Molenda, M. (2015). In search of the elusive ADDIE model: Performance improvement. *Performance Improvement*, 54(2), 40-42.
- Mondejar, M., Avtar, R., Diaz, H., Dubey, R., Esteban, J., Gómez-Morales, A.,

- Hallam, B., Mbungu, N., Okolo, C., Prasad, K., She, Q., & Garcia-Segura, S. (2021). Digitalization to achieve sustainable development goals: Steps towards a Smart Green Planet.. *The Science of the total environment*, 794, 148539 . <https://doi.org/10.1016/j.scitotenv.2021.148539>.
- Mouna Kaouni, Fatima Lakrami, Ouidad Labouidya. (2023). “The Design of An Adaptive E-learning Model Based on Artificial Intelligence for Enhancing Online Teaching”, *iJET – Vol. 18*, No. 06
- Personalisasi E-Learning Berorientasi Felder Silverman Learning Style Model Pada Mata Pelajaran Teknik Pengambilan Gambar”, *Jurnal EDUTECH Universitas Pendidikan Ganesha. Vol. 8* No. (1)
- Piaget, J. (1971). *The Theory of Stages in Cognitive Development*. In D. R. Green, M. P. Ford, & G. B. Flamer (Eds.), *Measurement and Piaget*. McGraw-Hill.
- Piskurich, G. M. (2015). *Rapid instructional design: Learning ID fast and right* (Third ed.). Hoboken, NJ: John Wiley & Sons.
- Qiaolan Li, “A New Methodology for Clustering of Online Learning Resources Based on Students’ Learning Styles” *iJET, Vol. 18* No. 13
- Reiser, R. A., & Dempsey, J. V. (2017). *Trends and Issues in Instructional Design and Technology*. Pearson.
- Rosie A. Camero. (2022). “Computer Adaptive Practice (CAP) for a Foundation Mathematics Course”, *iJET – Vol. 17*, No. 23
- S., & Saringat, M. (2022). A Systematic Literature Review Enhanced Felder Silverman Learning Style Models (FSLSM). 2022 Seventh International Conference on Informatics and Computing (ICIC), 1-7. <https://doi.org/10.1109/ICIC56845.2022.10006958>.
- S.Tosheva , C. Martinovska.(2018).“Adaptive E-Learning System in Secondary Education”, *iJET – Vol 7*
- Schunk, D. H. (2012). *Learning Theories: An Educational Perspective* (6th ed.). Pearson.
- Seyed Ali Hossei, Abdel-Rahman H. Tawil, Hossein Jahankhani, Maryam Yarand. (2018). “Towards an Ontological Learners’ Modelling Approach for Personalised E-Learning”, *iJET – Volume 8, Issue 2*
- Shuoyan Xu.(2022).“Recommendation of Online Learning Resources for

- Personalized Fragmented Learning Based on Mobile Devices”, *iJET – Vol. 17*, No. 03
- Silverman, L.K. (2002). *Upside-Down Brilliance: The Visual-Spatial Learner*. Denver: DeLeon Publishing.
- Skinner, B. F. (1953). *Science and Human Behavior*. Macmillan.
- Sucheta V. Kolekar.(2018). “Prediction of Learner’s Profile Based on Learning Styles in Adaptive E-learning System”, *iJET – Vol. 12*, No. 6
- Sugiman, A., & Sujadi, I. (2020). Pembelajaran Daring Berbasis LMS (Learning Management System): Studi Kasus di Universitas Negeri Malang. *Jurnal Kependidikan*, 49(2), 257-272.
- Sunita Ariali,Bernd Zinn. (2021). “Adaptive Training of the Mental Rotation Ability in an Immersive Virtual Environment”, *iJET – Vol. 16*, No. 09
- T. Swinke.(2018). “A Unique, Culture-Aware, Personalized Learning Environment”, *iJET – Volume 7*, Special Issue 2: "FNMA"
- Vera Toktarova.(2022).“Model of Adaptive System for Mathematical Training of Students within eLearning Environment”, *iJET – Vol. 17*, No. 20
- Viet Anh NGUYEN.(2018). “Toward an Adaptive Learning System Framework: Using Bayesian Network to Manage Learner Model”, *iJET – Volume 7*, Issue 4
- Vygotsky, L. S. (1978). *Mind in Society: The Development of Higher Psychological Processes*. Harvard University Press.
- Web-based Learning Enviroments Budapest : Technology-enhanced Learning with Ubiquitos Applications of Integrated Web, Digital TV, and Mobile Technologies, Proceedings of HUBISKA Open Workshop, 6th eLearning Forum.
- Wei Wang. (2022). “Influences of Education App-Assisted Teaching Technology on Learning Efficacy of Learners”, *iJET – Vol. 17*, No. 21
- Wijdane Kaiss, Khalifa Mansouri, Franck Poirier.(2023).“Effectiveness of an Adaptive Learning Chatbot on Students’ Learning Outcomes Based on Learning Styles,” *iJET, Vol. 18* No. 13
- Wong, S., Soh, M., & Wong, J. (2021). Internet of Medical Things: Brief Overview and the Future. 2021 IEEE 19th Student Conference on Research and

Development

(SCOReD),

427-432.

<https://doi.org/10.1109/SCOReD53546.2021.9652784>.

Zheleva, M., 2005, Design and Development of Intended Instructional Flows in

