

DAFTAR PUSTAKA

- Albet, Maydiantoro. 2021. Research Model Development: Brief Literature Review. *Jurnal Pengembangan Profesi Pendidik Indonesia (JPPI)*. Vol 1(2): 29-35.
- Aldoobie, N. 2015. ADDIE Model. *American International Journal of Contemporary Research*. Vol 5 (6): 68-72.
- Anggraini, Diah Puspitasari. 2019. Penerapan Media Pembelajaran Fisika Menggunakan Modul Cetak dan Modul Elektronik Pada Siswa SMA. *Jurnal Pendidikan Fisika*. Vol 7(1): 55-71.
- Barbosa, Ellen dkk. 2011. IMA – CID: An Integrated Modeling Approach For Developing Educational Modules. *Journal Of The Brazilian Computer Society*. Vol 17 : 207-239.
- Branch, R.M. 2009. *Instructional Design: The ADDIE Approach*. Boston, MA: Springer US.
- Bransford, J.D., & Stein, B.R. 1993. *The Ideal Problem Solver Second Edition*. New York: W.H Freeman & Company.
- Budimah, dkk. 2014. Pengembangan Modul Pembelajaran IPA Berbasis Karakter Materi Kalor Kelas VII di Bandar Lampung. *Jurnal Sains dan Pendidikan*. Vol 1(1). 1-8.
- Borg, W. R. and M. D. Gall. 1989. *Educational Research: An Introduction. Fifth Edition*. New York and London: Longman
- Bürger, Coletto C.A. 2019. Education and Games: Educomunicative Analysis on the Implementation of Games in Teaching Environments. *The Research, Society and Development Journal*. Vol 8(4): 1–15.
- Chang, R. 2005. *Kimia Dasar Konsep-Konsep Inti*. Jakarta: Erlangga.
- Depdiknas. 2008. *Panduan Pengembangan Bahan Ajar*. Jakarta: Ditjen Dikdasmen
- Fang, Wang dkk. 2023. Increase Elementary School Students Interest in Learning During Covid-19 with Teaching Materials Using E-Book. *Lingeduca: Journal of Language and Education Studies*. Vol 1(1): 65–81.
- Gay L.R., Mills, G.E., & Airisan, P. W. 2012. *Educational Research: Competencies for Analysis and Applications*. United States America: Pearson Education.
- Hanun. L, Utiya, Azizah. 2022. Application of Problem-Solving Learning Model Based Blended Learning to Improve Students Metacognitive Skills on Reaction Rate Material. *International journal of scientific and research publications*. Vol 12(2):130-130.
- Haleem, Abid dkk. 2022. Understanding The Role Of Digital Technologies In Education: A Review. *Journal Sustainable Operations and Computers*. Vol 3(1): 275-285.

- Henry, Praherdhiono. 2019. Penggunaan Edukasi Digital Sebagai Sarana Pembelajaran Anak Usia Dini. *Journal Pendidikan dan Pembelajaran*. Vol 6 (1): 1-6.
- Hudoyo, H. 1988. *Mengajar Belajar Matematika*. Jakarta: Departemen Pendidikan dan Kebudayaan.
- Juli, Bin S dkk. 2019. The Development of Children Playing Offline Games in an Indonesia Village. *International Journal of Innovation, Creativity and Change*. Vol 5(2): 822-846.
- Jolliffe, A., Ritter, J., & Stevens, D. 2001. *The Online Learning Hand Book : Developing and Using WEB Based Learning*. London: Kogan Page Limited
- Kemendikbud. 2017. *Panduan Praktif Penyusunan E-Modul Tahun 2017*. Jakarta: Direktorat pembinaan SMA, Ditjen Pendidikan Dasar dan Menengah.
- Labrecque, J. 2016. *LEARN Adobe animate CC for Interactive Media. 1 ed.* United Stated of America: Peachpit Press
- Lee, Y. 2006. Applying the ADDIE Instructional Design Model to Multimedia Rich Project-Based Learning Experiences in The Korean classroom. *The Department of Instructional Design and Technology*. Vol 20 (3): 345-360.
- Lijun, Liu. 2022. *Nutrient Stoichiometry in Aquatic Ecosystems*. Amsterdam: Elseviers eBooks
- Lutfi, Achmad dkk. 2023. Gamification: Game As a Medium for learning Chemistry to Motivate and Increase Retention of Students' Learning Outcomes. *Journal Of Technology and Science*. Vol 13(1): 197-207.
- Mefoh, P. C dkk. 2017. Effect of Cognitive Style and Gender on Adolescents' Problem solving Ability. *Thinking Skills and Creativity*. Vol 25 (1): 47-52.
- Moreno-Ger, P dkk. 2008. Educational Game Design for Online Education. *Computer Human Behavior*. Vol 24 (6): 2530-2540.
- Murtiningrum, Tri. 2013. Pembelajaran Kimia Dengan Problem solving Menggunakan Media E-Learning dan Komik Ditinjau Dari Kemampuan Berpikir Abstrak dan Kreativitas Siswa. *Jurnal Inkuiri*. Vol 2(3): 288-301.
- Nikiforidou, Z. 2018. Digital games in the Early Childhood Classroom: Theoretical and Practical Considerations. *Digital Childhoods*. Vol 1 (1): 253-265.
- Polya, G. 1980. *On Solving Mathematical Problems in High School*. New Jersey: Princeton Univercity Press.
- Rostislav, Robitntyskyi dkk. 2022. Stoichiometric Calculations in Chemistry Classes. *Journal HERALD of Khmelnytskyi National University Technical Sciences*. Vol 311(4): 214-219.
- Shadreck, Mandina & Ochonogor, Chukunoye. 2018. Comparative Effect of Two Problem-solving Instructional Strategies on Students' Achievement in

Stoichiometry. *EURASIA Journal of Mathematics, Science and Technology Education*. Vol 14(12): 2–9.

Sugiani, Komang Anik. 2019. The Effect of Elektronik Modules in Constructivist Blended Learning Approaches to Improve Learning Independence. *International Journal Of Innovation, Creativity and Change*. Vol 9 (10): 82-93.

Suratnu, Roslina. 2023. The Adoption of The ADDIE Model In Designing An Instructional Module: The Case of Malay Language Remove Students. *International Journal of Indonesian Education and Teaching*. Vol 7(2): 262-270.

Syahidi, Aulia Akhrian dkk. 2021. Learning Models in Educational Game Interactions: A Review. *International Journal Of Engineering Education*. Vol 3 (1): 11-29.

Thiagarajan, S. 1974. *Instructional Development for Training Teachers of Exceptional Children: A Sourcebook*. Washinton DC: National Center for Improvement Educational System.

Wandah Wibawanto. 2020. *Game Edukasi RPG (Role Playing Game)*. Semarang: LPPM UNNES

Watts dkk. 2020. Students' Meaningful Learning Experiences From Participating in Organic Chemistry Writing-To-Learn Activities. *Chemistry Education Research and Practice*. Vol 2 (22): 396-414.

Weldami, P. T. & Yogica, R. 2023. Model ADDIE Branch Dalam Pengembangan E-Learning Biologi. *Journal on Education*. Vol 6 (1): 7543-7551.

Yu, Zhonggen dkk. 2020. The Effect of Educational Games on Learning Outcomes Student Motivation, Engagement and Satisfaction. *Journal of Educational Computing Research*. Vol 0 (0): 1-25.

Zulhaini, A. H. 2016. Pengembangan Modul Fisika Kontekstual Hukum Newton Untuk Meningkatkan Pemahaman Konsep Fisika Siswa Di Man Model Banda Aceh. *Jurnal Pendidikan Sains Indonesia*. Vol 4 (2): 180-190.