

DAFTAR PUSTAKA

- Ainsworth, Shaaron. (1999). *The function of multiple representations*. Instruction and Training, School of Psychology, University Park, University of Nottingham, Nottingham: Computer & Education 33 (199) 131-152.
- Arikunto, S. (2007). *Prosedur Penelitian, Satuan Pendekatan dan Praktek*. Jakarta: Rineka Cipta.
- Arikunto, S. (2011). *Prosedur Penelitian, Satuan Pendekatan dan Praktek*. Jakarta: Rineka Cipta.
- Arsyad, Azhar. (2009). *Media Pembelajaran*. Jakarta. PT Raja Grafindo.
- Bilash, O. (2011). Dale's Cone of Experience. [Online]. Tersedia: <http://www.educ.ualberta.ca/staff/olenka.bilash/best%20of%20bilash/dalescone.html>. [30 Juli 2016].
- Brunken, R., Seufert, T., & Paas, F. (2010). *Measuring Cognitive Load*. Dalam Plass J. L. Moreno R., & Brunken, R. (eds.). *Cognitive Load Theory*. (hlm. 181 -202). Cambridge: Cambridge University Press.
- Dahar, R. W (1989). *Teori-teori Belajar*. Jakarta. Erlangga
- Dahar, R. W. (1996). *Teori-teori Belajar*. Jakarta. Erlangga
- De Jong, T. (2010). Cognitive load theory, educational research, and instructional design: Some food for thought. *Instructional Science*.
- Depdiknas. (2006). *Kurikulum 2006 Standar Kompetensi Mata Pelajaran*. Jakarta: Depdiknas.
- Ennis, Robert H. (1996). *Critical Thinking*. New York. Prentice-Hall.
- Gulo, W. (2002). *Strategi Belajar dan mengajar*. Jakarta: Gramedia Widiasarana Indonesia.
- Haslam, C.Y. dan Hamilton, R.J. (2010). Investigating the Use of Integrated Instructions to Reduce the Cognitive Load Associated with Doing Practical Work in Secondary School Science. *International Journal of Science Education*. New Zealand. The University of Auckland.
- Hindriana, A. F. & Rahmat, A. (2012). Model Pengintegrasian Struktur Tumbuhan pada Fungsi Tumbuhan untuk Menurunkan Beban Kognitif dan Mengembangkan Pemanfaatan Sumber Daya Alam Alternatif dalam Praktikum Transpirasi Tumbuhan. Prosiding SEMIRATA. BKS-PTN MIPA. FPMIPA UNIMED.

- Hutagaol, K. (2007). Pembelajaran Matematika Kontekstual untuk Meningkatkan Kemampuan Komunikasi Matematis Siswa Sekolah Menengah Pertama. Bandung: Tesis pada SPs UPI. Tidak diterbitkan.
- Kalyuga, S. (2010). Cognitive Load Theory: Schema Acquisition and Sources of Cognitive Load. *Cognitive Load Theory* (hlm. 48-64). Cambridge: Cambridge University Press.
- Kalyuga, S. (2011). Informing: A Cognitive Load Perspective. *Informing Science: the International Journal of an Emerging transdiscipline*. 14, 32-45.
- Leacock, T. L., dan Nesbit, J. C. (2007). A Framework for Evaluating the Quality of Multimedia Learning Resources. *Educational Technology & Society*. 10 (2). 44-59.
- Marzano, R.J., (1993). *Assesing Student Outcomes : Performances Assessment Using the Dimensions of Learning Model*. ASDC : USA.
- Mayer, R. E. (2002). Rote versus meaningful learning. *Theory into Practice*. 41: 226-232.
- Mayer, R.E., and Moreno, R. (2007). “Nine Ways to Reduce Cognitive Load in Multimedia Learning. *Educational Psychologist*. 38, (1), 43-52.
- Moreno, R & Park, B. (2010). Cognitive Load Theory: Historical Development and Relation to Other Theoris, Dalam Plass J.L., Moreno R., & Bruken, R. (eds). *Cognitive Load Theory* (hlm. 9-28), Cambridge: Cambride University Press.
- Meissner, B., & Bogner, F.X. (2013). Towards Cognitive Load Theory as Guideline for Instructional Design in Science Education. *World of Journal Education*. 3 (2), 24-37.
- Moreno, R. & Park, B. (2010). *Cognitive Load Theory: Historical Development and Relation to Other Theories*. New York: Cambridge University Press.
- Paas, F., Renkl, A., and Sweller, J. (2003). Cognitive Load Theory and Instructional Design: Recent Development. *Educational Psychologist*. 38, (1), 1-4.
- Paas,F., Tuovinen, J.E., Tabbers, H., Gerven, P. W.M.V. (2011). Cognitive Load Measurement as a Means to Advance Cognitive Load Theory. *Educational Psychologist*.
- Patrick B. Kohl, David Rosentgraant, Noah D. Finkelstein. (2007). *Strongly and Weekly directed approaches to teaching multiple representation use in physics*. Physical Review Special Topics-Physics Education Research 3, 010108.
- Plass, J., Moreno F., Dan Brunken, R. (2010). *Cognitive Load Theory*. New York: Cambridge University Press.

- Rahmat A. & A.F. Hindriana. (2014). Beban Kognitif Mahasiswa dalam Pembelajaran Fungsi Terintegrasi Struktur Tumbuhan. *Jurnal Ilmu Pendidikan*.
- Riyana, C. (2008). *Pedoman Pengembangan Multimedia Interaktif*. Bandung: Program P3AI. Universitas Pendidikan Indonesia
- Rosengrant, D., E. Etkina, A.V. Heuvalen. (2006). In *Proceedings of the 2005 PERC*. AIP Conference: Proceedings.
- Rusman. (2012). *Model-model Pembelajaran*. Bandung: Mulia Mandiri Press.
- Sabandar, J. (2004). Representasi Matematik. Makalah disajikan pada Seminar Pendidikan MIPA IMSTEP JIKA di FPMIPA UPI. Bandung.
- Sabandar, J. (2006). Model dalam Pembelajaran Matematika Realistik. *Jurnal Matematika, Ilmu Pengetahuan Alam, dan Pengajarannya*. MIPA Tahun 35, No 2, Hlm. 121-261, ISSN 0854-8269. Malang.
- Sanaky, Hujair. (2011). *Media Pembelajaran*. Yogyakarta: KaukabaDipantara.
- Sanjaya, Wina.(2012). *Media Komunikasi Pembelajaran*. Bandung: Kencana.
- Sarwono, S. W. (2006). *Teori-teori Psikologi Sosial*. Jakarta: Rajawali Pers.
- Scharfenberg, F. J., dan Bogner, F. X. (2010). Instructional efficiency of Changing Cognitive in an Out-of-School Laboratory. *International Journal of Science Education*, 32(6), hlm. 829-824.
- Schanfenberg F.J. & Bogner F.X. (2013). Instructional efficiency of tutoring an outreach gene technology laboratory. *Science Education*, 12 (5), (43) hlm. 1267-1288.
- Sudjana. (2005) *Metoda Statistika*. Bandung: Tarsito.
- Sugiono. (2010). *Metode Penelitian Kuantitatif, Kualitatif dan R & D*. Bandung: CV. Alfabeta Bandung.
- Susilana dan Riyana. (2008). *Media Pembelajaran (Hakikat, Pengembangan IPTEK)*. Bandung: Alfabeta.
- Sweller, J. (1988). Cognitive Load During Problem Solving: Effects on Learning. *Cognitive Science*, 12 (2), 257-285.
- Sweller, J. (1994). Cognitive Load Theory, Learning Difficulty and Instructional Design. *Sydney University of NSW*.
- Sweller, J. (2005). *Cognitive Theory of Multimedia Learning*. In R. E. Mayer (Ed.), *Cambridge handbook of multimedia learning* (pp. 19-30). New York: Cambridge University Press.

- Sweller, J. (2010). Cognitive Load Theory: Recent Theoretical Advances. Dalam Plass J.L., Moreno R., & Brunken, R. (eds.), *Cognitive Load Theory* (hlm. 29 – 47). Cambridge: Cambridge University Press.
- Waldrip, B, dkk. (2010). *Using Multi-Modal Representations to Improve Learning In Junior Secondary Science*. International Journal of Science Education 40: 65-80.
- Warsito, Bambang. (2008). *Teknologi Pembelajaran dan Aplikasinya*. Jakarta: Rineka Cipta.
- Yusuf, Muhamad. (2009). *Studi Kompetensi Multirepresentasi Mahasiswa pada Topik Elektrostatis*. Tesis Magister pada SPs UPI Bandung: Tidak diterbitkan.
- Zainul, A. (2002). *Penilaian Hasil Belajar*. [Online]. Diakses dari file <http://staff.uny.ac.id/sites/default/files/pendidikan/prahastuti%20Ekawatini%20ngsih,%20S.Pd.,M.Pd./22.%20Materi%20Kuliah%20Pembelajaran.pdf>.