

REFERENCES

- Amer, Aly. 2006. Reflection on Bloom's Revised Taxonomy. *Electric Journal of Research in Educational Psychology*, 4(1): 213-230.
- Anderson, Lorin W. 2001. *A Taxonomy for Learning, Teaching and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives*. New York: Pearson
- Arends, Richard L. 2009. *Learning to teach, 8th edition*. New York: Mc Graw Hill Companies, Inc.
- Arikunto, Suharsimi. 2011. *Prosedur Penelitian, Suatu Pendekatan Praktik*. Jakarta: Rineka Cipta
- Bloom, B., Engelhart M., Furst E., Hill W., & Krathwohl D. 1956. *Taxonomy of Educational Objectives: The Classification of Educational Goals, Handbook I: Cognitive Domain*. New York: David McKay.
- Budiono. (2009). *Panduan Pengembangan Materi Pembelajaran*. Available in <http://www.scribd.com/doc/21684083/Pengemb-Materi-Pembelaj-Budiono-SMANEJA-Blitar>.
- Campbell, Neil A. 2008. *Biology Campbell 8th edition*. San Fransisco: Benjamin Cummings
- Celikoz, N. (2010). Basic Factors that Affect General Academic Motivation Levels of Candidate Preschool Teachers. *Education*, 131(1): 113-127.
- Çimer, Atilla. 2012. What makes biology learning difficult and effective: Students' views. *Educational Research and Reviews*, 7(3): 61-71
- Confrey, J. (1990). What constructivism implies for teaching. *Journal for Research in Mathematics Education*, (4): 107-122
- Curriculum-Press.co.uk. The Mann Whitney U Test. *Psychology Fact Sheet*.
- Graf, Dittmar and Karl-Heinz Berck. 1998. *Concept learning in Biology - Is it satisfactory?* New Jersey: Association for Supervision and Curriculum Development
- Greeno, James G. 2000. *Cognition and Learning*. Standford University and the Institute for Research on Learning

- Gunawan, 2003. *Genius Learning Strategy*. Jakarta: Gramedia Pustaka Utama
- Hake, Richard. R. (1998). Interactive-Engagement Versus Traditional Methods: A six-Thousand-Student Survey of Mechanics Test Data for Introductory Physics Courses. *American Journal of Physics*, 66(1): 64–74.
- Hall, Richard H. 1998. Explicit and Implicit Memory. http://web.mst.edu/~rhall/neuroscience/06_complex_learning/explicit_implicit.pdf
- Hamid, Moh. Sholeh. 2011. *Metode Edutainment*. Jogjakarta: DIVA Press
- Hazel, Elizabeth Hegarty. 1991. Relationship between students' conceptual knowledge and study strategies-part 2: students learning in biology. *International Journal of Science Education*, 13: 421.
- Ibayati, Y. 2002. *Analisis Strategi Mengajar pada Topik Sistem Saraf di SMU*. Tesis Program Pascasarjana UPI Bandung.
- Johnson, B. George. 2002. *Biology*. New York: McGraw-Hill Company
- Judy, Willis. 2007. The Neuroscience of Joyful Education. *Educational Leadership*, 64.
- Kidman G. 2008. Asking students: What key ideas would make classroom biology interesting? *Teach.Science*, 54 (2): 34-38.
- Kreitzer, A. and Madaus, G. 1994. *Empirical Investigations of the Hierarchical Structure of the Taxonomy*. Chicago: The National Society for the Study of Education.
- Lee, O., & Brophy, J. 1996. Motivational patterns observed in sixth-grade science classrooms. *Journal of Research in Science Teaching*, 33(3): 585–610.
- Lei, S. A. 2010. Intrinsic and Extrinsic Motivation: Evaluating Benefits and Drawbacks from College Instructors' Perspectives. *Journal of Instructional Psychology*, 37(2): 153-160.
- Lujan, Heidi L. and Stephen E. DiCarlo. 2005. Too much teaching, not enough learning: what is the solution?. *Advances in Physiology Education*, 30: 17–22.

- Mikre, Fisseha. 2011. The Roles of Information Communication Technologies in Education Review Article with Emphasis to the Computer and Internet. *Ethiopian Journal of Education and Sciences of Jimma University*, 6: 2.
- Marieb, Elaine N. and Katja Hoehn. 2010. *Human Anatomy and Physiology 8th edition*. San Fransisco: Benjamin Cummings
- Okan, Zühal. 2003. Edutainment, Is Learning at Risk?. *British Journal of Educational Technology*, 34(3): 255-264.
- Palmer, D. 2007. What Is the Best Way to Motivate Students in Science? *Teaching Science-The Journal of the Australian Science Teachers Association*, 53(1): 38-42.
- Rapeepisarn, Kowit. 2006. *Similarities and Differences between Learn through Play and Edutainment*. Australia: Murdoch University
- Rigas, Dimitrios and Khaled Ayad. 2010. Using Edutainment in E-Learning Application: an Empirical Study. *International Journals of Computer*, 4(1)
- Rittle-Johnson, B. Siegler, R. S., & Alibali, M. W. 2001. Developing conceptual understanding and procedural skill in mathematics: An iterative process. *Journal of Educational Psychology*, 93: 346–362.
- Roth KJ, Druker SL, Garnier HE. 2006. Teaching Science in Five Countries: Results From the TIMSS 1999 Video Study. U.S. <http://nces.ed.gov/pubs2006/2006011.pdf>
- Sabatini, Silvia. 2012. *Module Development To Improve Student's Mastery Learning In Human Reproductive System Topic For Grade XI Science Program SMA Negeri 1 Tebing Tinggi Academic Year 2011/2012*. Thesis. FMIPA. Universitas Negeri Medan. Medan.
- Salmiyati. 2007. *Implementasi Teknologi Multimedia Interaktif dalam Pembelajaran Konsep Saraf untuk Meningkatkan Pemahaman dan Retensi Siswa*. Tesis Program Pascasarjana UPI Bandung.
- Science and Engineering Indicators' Reports. 1993. Science & Engineering Indicators, The National Science Foundation. USA: <http://www.nsf.gov/statistics/seind93/main/seitoc93.htm>

Simarmata, Juliana. 2012. *Pengaruh Model Pembelajaran Berbasis Masalah yang Menggunakan Media Visual dan Motivasi Belajar terhadap Hasil Belajar Biologi Siswa SMA Negeri 12 Medan*. Medan: Program Pascasarjana Universitas Negeri Medan

Tanner K and Allen D. 2005. Approaches to Biology Teaching and Learning: Understanding the Wrong Answers – Teaching toward Conceptual Change. *Cell Biology Education*. 4: 112-117

Wiggins, Grant and Jay McTighe.1998. *Understanding by Design*. Upper Saddle River, New Jersey: Pearson Education Inc.

Wirth, Karl R. 2008. Learning to Learn. Available from: <http://www.macalester.edu/geology/wirth/CourseMaterials.html>. Access date: 1st July 2013

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