

REFERENCES

- Ajaja, O. P., & Eravwoke, O. U. (2010). Effects of Cooperative Learning Strategy on Junior Secondary School Students Achievement in Integrated Science. *Journal of Science Education*. 4, (1), 2-18.
- AKA, E.I., GUVEN, E., AYDOGDU, M. (2010). Effect of Problem Solving Method on Science Process Skills and Academic Achievement. *Journal of Science Education*. 17(6), 3-19.
- Altunçekiç, A., Yaman, S. & Koray, Ö. (2005). A study on levels of self-efficacy beliefs and problem solving skills of teacher candidates. *Kastamonu Education Journal*, 13(1), 93–102.
- American Psychological Association (2011) Definition of Terms: Sex, Gender, Gender Identity, Sexual Orientation. Retrieved from <http://www.apa.org/>.
- Anderson & Krathwohl. (2001). *A Taxonomy for Learning, Teaching and Assessing: a Revision of Bloom's Taxonomy of Educational Objective*. New York: Longman Publishing.
- Arikunto, S. (2012). *Dasar-dasar Evaluasi Pendidikan*. Bumi Aksara: Jakarta.
- Atkinson, J. W. (1964). *An introduction to motivation*. (Van Nostrand, Princeton, NJ).
- Ausubel, P. D. (1963). *The Psychology of Meaningful Verbal Learning*. New York: Grune & Stratton.
- Baron, R. A. & Byrne, D. (2004). *Social Psychology Tenth Edition Chapter I*. Jakarta: Erlangga.
- Bloom, B. S. *Taxonomy of Educational Objectives: The Classification of Educational Goals* (New York: David McKay, 1956).
- Canter, A. (2004). A Problem-Solving Model for Improving Student Achievement. *Journal of Education*. 17(2), 221-223. Retrieved from <http://www.nasponline.org/>
- Chuang, S. C. (2008). Students' Perception of Constructivist Internet Learning Environment by a Physics Virtual Laboratory: The Gap Between Ideal and Reality and Gender Differences. *Journal of Cyber Psychology Behaviour*. 11, (2). 150-156

- Cohen, L., Manion, L., & Morrison, K. (2007). *Research Method in Science Education*. New York: Taylor & Francis e-Library.
- Creswell, J. W. (2012). *Educational Research*. Boston: Pearson Education. Inc.
- Dahar, R.W. (2006). *Teori-Teori Belajar*. Jakarta: Erlangga.
- Fatoke, A.O., OGUNLADE, T.O., IBIDIRAN, V.O. (2013). The Effects of Problem-Solving Instructional Strategy and Numerical Ability on Students' Learning Outcomes. *Journal of Science Education*
- Fraenkel, J. R., Wallen, N. E., & Hyun, H. H. (2012). *How to Design and Evaluate Research in Education*. New York: McGraw-Hill.
- Gelwick. B. P. (1985). *Cognitive Development of Women*. In N. J. Evans (Ed.), *Facilitating the Development of Women (29-44)*. San Francisco; Jossey-Bass.
- Gok, T. & Silay, I. (2010). The Effects of Problem Solving Strategies on Students' Achievement, Attitude and Motivation. *Journal of Science Education*, 28(2), 4-16. Retrieved from <http://tused.org/>
- Gottfried, A. E., Fleming, J. S., & Gottfried, A. W. (2001). Continuity of academic intrinsic motivation from childhood through late adolescence: A longitudinal study. *Journal of Educational Psychology*, 93(1), 3–13
- Gurian, M. (2002). *Boys and Girls Learn Differently*. San Fransisco: Jossey-Bass.
- Hake, R. R. (1998). *Interactive Engagement versus Traditional Method; A Six Thousand Students Survey of Mechanics Test Data for Introductory Physics Courses*. Department of Physics Indiana University. Bloomington: Indiana.
- Higgins, E. T. (1991). *Development of Self-regulatory and Self-evaluative Process: Cost, Benefits, and Trade-offs*. Minneapolis: University of Minnesota Press.
- KemertaĢ, Ģ. (2001). *Practical general teaching methods*. Istanbul: Birsen Press. Retrieved from <http://www.academia.edu/> [Accessed on November 20, 2014]
- King, S. H., et.al,. (2009). *Project-Based Learning: Inspiring Middle School Students to Engage in Deep and Active Learning*. NYC Department of Education. 7-10
- Kolb, D.A. (1984). *Experiential Learning, Experience as a Source of Learning and Development*. Englewood Cliffs NJ: Prentice-Hall.

- Lai, E.R (2011). *Motivation: A Literature Review*. [Online] Retrieved from <http://images.pearsonassessments.com/> [Accessed on December 21, 2014]
- Lorsbach, A. & Tobin, K. (1992). *Constructivism as a referent for science teaching*. In Lawrenz, F. Research matters to the science teacher. Monograph number 5. Kansas State University: National Association for Research in Science Teaching.. [Accessed on November 20, 2014]
- Maehr, M., & Meyer, H. (1997), *Understanding motivation and schooling: Where we've been, where we are, and where we need to go*, Educational Psychology Review 9
- Malik et al. (2010). Effect of Problem-Solving Teaching Strategy on 8th Grade Students' Attitude towards Science. *Journal of Science Education*, 12(18), 178-189. Retrieved from <http://www.slideshare.net/>
- Malinowski, J. & Johnson, M. (2001). Navigating the active learning swamp. *Journal of College Science Teaching*, 31(3)
- Minium, E., King, B. M., & Bear, G. (1993). *Statistical Reasoning in Psychology and Education*. John Wiley & Son Inc.
- Mutisya, S.M, Too, J.K & Rotich, S (2014). Performance in Science Process Skills: The Influence of Subject Specialization. *Journal of Science Education*. Retrieved from www.ajssh.leena-luna.co.jp
- Oludotun, J.S.O. (2008). PHY 113: *HEAT AND PROPERTIES OF MATTERS*. Retrieved from education.msu.edu/irt/PDFs/.../op093.pdf.
- Ormrod, J. (2008). *Educational psychology: Developing learners*. Upper Saddle River, NJ: Prentice Hall.
- Purwanto, M.N. (2006). *Psikologi Pendidikan*. Bandung: Remaja Rosdakarya.
- Putri. R. I. (2010) Perbedaan Penguasaan Konsep Dan Lingkungan Pembelajaran Siswa Berdasarkan Gender Melalui Pemanfaatan E-Book Bermultimedia Pada Materi Ekosistem. (Skripsi). Program Studi Pendidikan Biologi Universitas Pendidikan Indonesia, Bandung.
- Sarwono, J. (2012). *Metode Riset Skripsi Pendekatan Kuantitatif Menggunakan Prosedur SPSS*. Jakarta: PT. Elex Media Komputindo.
- Schoenfeld, A. H. (1992). *Learning to think mathematically: Problem solving, metacognition, and sense-making in mathematics*. In D. Grouws (Ed.), *Handbook for Research on Mathematics Teaching and Learning* (pp. 334-370). New York: MacMillan.

- Schunk, D.H., Pintrich, P.R., and Meece, J.L. (2008). *Motivation in Education: Theory, Research, and Applications, Third Edition*. New Jersey: Pearson Education, Inc.
- Sukmadinata, N. S. (2011). *Metode Penelitian Pendidikan*. Bandung:Remaja Rosdakarya.
- Tan, M. & Temiz, B., K. (2003). Fen öğretiminde bilimsel süreç becerilerinin yeri ve önemi (Place and importance of science process skills in science teaching). *Pamukkale Üniversitesi Eğitim Fakültesi Dergisi*, 1(13). 89-101.
- Turner, J. C. (1995). The influence of classroom contexts on young children's motivation for literacy. *Reading Research Quarterly*, 30(3), 410–441.
- Wood, J. T. (2009). *Gender Lives: Communication, Gender and Culture*. Boston: Wadsworth Change Learning.
- Yahya, A.B (-). *Problem Solving*. Retrieved from eprints.utm.my
- Yates, B. (1969). *How to Find Out About Physics*. Pergamon Press Ltd.