

## DAFTAR PUSTAKA

- Anderson, O.W. dan Kautnik, (1972), *A Taxonomy for Learning, Teaching and Assessing*, Addison Wesley Longman Inc, New York.
- Arikunto, S., 1991, *Prosedur Evaluasi Pengajaran*, Rineka Cipta, Jakarta.
- Arikunto, S., (2006), *Prosedur Penelitian*, Bumi Aksara, Jakarta.
- Arsyad, A., (2000), *Media Pembelajaran*, PT. Raja Grafindo Persada, Jakarta.
- Black, P. J., Harrison, C., Lee, C., Marshall, B., & Wiliam, D. (2002). *Working inside the black box: Assessment for learning in the classroom*. London : King's College London School of Education.
- Bloom, B.S., (1952), *Taxonomi of Education Objective : The Classification of Education Goal Hand Book I: Cognitive Domain*, Logman, New York.
- Bloom, B.S., (1971), *Evaluation to Improve Learning*, Mc. Grow Hill Book Company, New York.
- Briggs, L., (1970), *Principles of Intruktional Design*, Holt, Rinehart, and Winston, New York
- Brown, A. L., dan Palinscar, A. S. (1989). *Guided, cooperative learning, and individual knowledge acquisition*. In L. B. Resnick (Ed.), *Knowing, learning, and instruction : Essays in honor of Robert Glaser* (pp. 393-451). Hillsdale, NJ: Lawrence Erlbaum Associates.
- Brown, J. L. dan Kiernan, N. E. (2001). *Assessing the subsequent effect of a formative evaluation on a programme*. *Evaluation and Programme Planning*, 24, 129 – 143.
- Burden, P.R. dan Bryd, D.M., (1999), *Methods for Effective Teaching*, Allyn and Bacon, Boston, *Competitive, and Individualistic Learning*. Boston: Allyn and Bacon.
- Dale, E., (1969), *Audio Visual Methods in Teaching*, 3<sup>rd</sup> edition, The Dryden Press, New York.
- Depdiknas, (2003), *Kurikulum Mata Pelajaran Kimia*, Depdiknas, Jakarta.
- Dimiyati dan Mudjiono, (2002). *Belajar dan Pembelajaran*, Rineka Cipta, Jakarta.

- Djamarah, B., dan Zain, A., (1992). *Strategi Belajar Mengajar*. Jakarta. Rineka Cipta
- Doyle, W. *Themes in teacher education, handbook of research on teacher education* New York: Macmillan
- Felder R.M., Felder G.N., Dietz E.J. The effects of personality on engineering student performance and attitudes. *J. Eng. Educ.* 2002, 9(1), 3-17.
- Fudyartanta, R.B.S., (2002), *Psikologi Pendidikan*, Global Pustaka Utama, Jakarta.
- Gagne, E. D., Yekovich, C. W., dan Yekovich, F. R. (1993). *The cognitive psychology of school learning, 2nd ed.* New York: Harper Collins College Publishers.
- Gerlach, V.G. dan Ely, D.P., (1971), *Teaching and Media A Systematic Approach*, Prentice-Hall, Inc, Englewood Cliffs.
- Heinich, R., Molenda. M. dan Russell, J.D., (2002), *Instructional Media and the New Technologies of Instruction*. (3<sup>rd</sup> ed), Macmillan Publishing Company, New York.
- Irianto, A., (2004), *Statistik Konsep Dasar dan Aplikasinya*, Prenada Media, Jakarta.
- Johnson, D.W. dan Johnson, R. 1991. *Learning Together and Alone. Cooperative*,
- Johnson, D., G. Maruyama, R., Johnson, D., Nelson., and L. Skon. (1981). The effects of cooperative, competitive and individualistic goal structure on achievement: A meta-analysis. *Psychological Bulletin*, 89, 47-62.
- Lazarowitz, R Hertz, R. L. Birds, J. H. dan Bowlden, V, 1988, *Academic Achievement and on task behaviour of high school biology students instructed in a cooperative small investigate group*, Science Education, 72 (4).
- Lungdren, L. (1994). *Cooperative Learning in The Science Classroom*. New York : McGraw Hill Companies.
- Meltzer, D.E., (2002). The relationship between mathematics preparation and conceptual learning gains in physics : A possible "hidden variable" in diagnostic pretest scores. *American Journal of Physics*, 70(12):1259-1268

- Norman, D. A., Rumelhart, D. E., dan the LNR Research Group. (1975). *Explorations in cognition*. San Francisco: Freeman.
- Novak, J. D., dan Gowin, D. B. (1984). *Learning how to learn*. New York: Cambridge University Press.
- Novak, J. D. (1990). Concept mapping: A useful tool for science education, *Journal of Research in Science Teaching*, 27(10), 937-950.
- Nurhadi, (2004), *Kurikulum 2004 Pertanyaan dan Jawaban*, PT Grasindo, Jakarta.
- Okebukola, P. A. (1992). *Can good concept mappers be good problem solvers in science?* *Research in Science and Technological Education*, 10(2), 153-170.
- Pendley, B.D., Bretz, R.L. & Novak, J.D. (1994). Concept maps as a tool to assess learning in chemistry. *Journal of Chemical Education*, 71 (1): 9-15.
- Piaget, J. (1964). Cognitive development in children : development and learning. *Journal of Research in Science Teaching*, 2, 176 – 186.
- Purba, M., (2005). *Kimia untuk SMA Kelas XI*. Jakarta. Erlangga
- Rayman, P.; Brett, B. *Pathways for Women in the Sciences*; Pathways Project, Wellesley College Center for Research on Women : Wellesley, MA, 1993.
- Romizouski, A.J., (1981), *Designing Instructional System*, The Open University Press, London.
- Rumansyah, (2001), *Meningkatkan Pemahaman Siswa Terhadap Konsep Kimia Karbon melalui Strategi Peta Konsep (Concept Mapping)*, 21 April 2005, ([http://www.depdikbud.go.id/jurnal\\_142/rumansyah.htm](http://www.depdikbud.go.id/jurnal_142/rumansyah.htm), diakses, juli 2006).
- Russel, C.A., (1976), *The Structure of Chemistry*, The Open University Press, London.
- Sadiman, A.S., Raharjo, R., Haryono, A. dan Rahardjito, (1996). *Media Pendidikan Pengertian Pengembangan dan Pemanfaatannya*, PT. Raja Grafindo Persada, Jakarta.

- Samuel W. Wachanga, dan John Gowland Mwangi (2002): Effects of the Cooperative Class Experiment Teaching Method on Secondary School Students' Chemistry Achievement in Kenya's Nakuru District. *International Education Journal Vol 5, No 1, 2004*
- Silitonga, L.L., (2007). *Efektifitas Media Audiovisual Terhadap Peningkatan Prestasi Belajar Siswa pada Pembelajaran Sistem Koloid*. Tesis. Program Pascasarjana Universitas Negeri Medan. Tidak dipublikasikan
- Situmorang, M., (2004), "Inovasi Model-Model Pembelajaran Bidang Sain untuk Meningkatkan Prestasi Belajar Mahasiswa", Prosiding Agustus, 2004.
- Slavin, R.E. 1995. *Cooperative Learning: Theory, Research and Practice*. Boston: Allyn and Bacon.
- Stronge, J.H. 2002 *Qualities of effective teachers*. Alexandria, V.A: Association for Supervision and Curriculum Development.)
- Suroso, (2002), *Ensiklopedi Sains dan Kehidupan*, Tarity Samudra Berlian, Jakarta.
- Syah, M., (1995), *Psikologi Pendidikan dengan Pendekatan Baru*, Remaja Rosdakarya, Bandung.
- Tirta, R.V. dan Sula, L., (2002), *Pengantar Pendidikan*, Rineka Cipta, Jakarta.
- Usman, M. U. dan Lilis S., (1993), *Upaya Optimalisasi Kegiatan Belajar Mengajar*, Remaja Rosdakarya, Bandung.
- Webb, NM (1989). *Peer interaction and learning in small groups*. *International Journal of Educational Research*, 13, 21-39
- Webb, N.M. (1991). *Task-related verbal interaction and mathematics learning in small groups*. *Journal of Research in Mathematics Education*, 22, 366-389.
- Zeilik, M., Schau, C., Mattern, N., Hall, S., Teague, K. dan Bisard, W. (1997). Conceptual astronomy: A novel model for teaching postsecondary science courses. *American Journal of Physics*, 65 (10): 987-996.