

DAFTAR PUSTAKA

- Aktamis, H. & Ergin, O. 2008. The Effect of Scientific Process Skills Education on Student's Scientific Creativity, Science Attitudes and Academic Achievement. *Asia-Pacific Forum on Science Learning and Teaching, Volume 9: Issue 1, Article 4.* (online)(http://www.ied.edu.hk/apfslt/download/v9_issue1_files/aktamis.pdf, diakses pada tanggal 15 Januari 2015)
- Anderson, L.W. & Krathwohl, D.R. 2001. *Kerangka Landasan Untuk Pembelajaran, Pengajaran, dan Asesmen.* Terjemahan oleh Agung Prihantoro. 2010. Yogyakarta: Pustaka Pelajar.
- Anderson, L.W. & Krathwohl, D.R. 2001. *A Taxonomy of Learning, Teaching, and Assesing: A Revision of Bloom's Taxonomy Educational Objectives.* A Bridged Edition. New York: Addison Wesley Longman.
- Arends. R. I. 2008. *Learning To Teach: Belajar Untuk Mengajar.* Edisi Ketujuh. Terjemahan oleh Helly Prajitno & Sri Mulyantini. 2008. Yogyakarta: Pustaka Pelajar.
- Arends. R. I. 2012. *Learning To Teach: Ninth Edition.* New York: McGraw-Hill.
- Arikunto, S. 2013. *Dasar-Dasar Evaluasi Pendidikan.* Jakarta: BumiAksara.
- Bagheri, M., Ali, W.Z.W., Chong, M. & Daud, S.M. 2013. Effects of Project-based Learning Strategy on Self-directed Learning Skills of Educational Technology Students. *Contemporary Educational Technology, 4 (1).* pp. 15-29. ISSN 1309-517X. (Online)(<http://www.cedtech.net/articles/41/412.pdf>, diakses pada tanggal 9 Desember 2014).
- Baker, E., Trygg, B., Otto, P., Tudor, M., & Ferguson, L.. 2011. *Project-based Learning Model, Relevant Learning for the 21st Century.* USA: Pacific Education Institute.
- Buck Institute of The Education. 2009. Summary of Research on Project-based Learning. Indianapolis: University of Indianapolis *Center of Excellence in Leadership of Learning.* (online), (http://www.bie.org/research/study/summary_of_research_on_project_based_learning, diakses pada tanggal 9 Desember 2013)
- Bolandifar, S. & Noordin, N. 2013. Investigating the Relationship between Creativity and Academic Achievement of Malaysian Undergraduates. *Jurnal Teknologi (Social Sciences) 65:2 (2013), 101–107, eISSN 2289-5434* (Online)(<http://www.jurnalteknologi.utm.my/index.php/jurnalteknologi/article/download/2355/1881>, diakses pada tanggal 23 Desember 2014)

- Çakici, Y. & Türkmen, N. 2013. An Investigation of the Effect of Project-Based Learning Approach on Children's Achievement and Attitude in Science. *The Online Journal of Science and Technology*- April 2013, Volume 3, Issue 2, Hal 9-17. (Online) ([http://www.tojsat.net/index.php?journal=tojsat&page=article&op=view&path\[\]=104](http://www.tojsat.net/index.php?journal=tojsat&page=article&op=view&path[]=104), diakses tanggal 28 November 2013)
- Ceran, S.A., Güngören, S.C., & Boyacıoğlu, N. 2014. Determination of scientific creativity levels of middle school students and perceptions through their teachers. *European Journal of Research on Education, 2014, Special Issue: Contemporary Studies in Education*, 47-53. ISSN: 2147-6284. (online)(<http://iassr.org/rs/020408.pdf>, diakses pada tanggal 15 Januari 2015)
- Craft, A. 2005. *Creativity in Schools: Tensions and Dilemmas*. New York: Routledge, Taylor & Francis Group.
- Dahar, R.W. (2011). *Teori-Teori Belajar dan Pembelajaran*. Jakarta. Erlangga.
- Deta, U.A., Suparmi, & Widha S. 2013. Pengaruh Metode Inkuiri Terbimbing Dan Proyek, Kreativitas, Serta Keterampilan Proses Sains Terhadap Prestasi Belajar Siswa. *Jurnal Pendidikan Fisika Indonesia* 9 (2013) 28-34 (online) (<http://journal.unnes.ac.id/nju/index.php/JPMI/article/view/2577>, ISSN: 1693-1246, diakses tanggal 9 Desember 2014)
- Dewey, J. (1899). *The School and Society*. Chicago: University of Chicago Press
- Dimiyati & Mudjiono. (2009). *Belajar dan Pembelajaran*. Jakarta: Penerbit Rineka Cipta.
- Doppelt, Y. 2003. Implementation and Assessment of Project-Based Learning in Flexible Environment. *Instructional Journal of Technology and Design Education*. Vol. 13: 255-272. (online)(<http://cedu521-k-f07.pbworks.com/f/Implementation+and+Assessment+of+Project-Based+Learning+in+a+Flexible+Environment.pdf>, diakses pada tanggal 9 Desember 2013)
- Fatmi, N. 2014. Pengaruh Model Pembelajaran Inkuiri Terbimbing dan Kreativitas Terhadap Keterampilan Proses Sains Siswa SMAN 1 Julok. Medan: Pascasarjana Universitas Negeri Medan.
- Faust, J. L., & Paulson, D. R. (1998). Active learning in the college classroom. *Journal on Excellence in College Teaching*, 9 (2), 3-24. (Online)(http://www.ydae.purdue.edu/lct/hbcu/documents/active_learning_in_college_classrooms.pdf, diakses tanggal 25 Februari 2014)
- EFA Global Monitoring Report. 2010. *Reaching the marginalized*. Oxford: Oxford University Press

- EFA Global Monitoring Report. 2011. *The hidden crisis: Armed conflict and education*. Oxford: Oxford University Press.
- Fleming, D.S. 2000. *A Teacher's Guide to Project-Based Learning*. West Virginia: AEL Inc.
- Gultom, L.L.R. 2014. Pengaruh Pembelajaran Berbasis Proyek Terhadap Kemampuan Berpikir Tingkat Tinggi Siswa Pada Materi Sel Di Kelas XI IPA SMA Santa Maria Medan Tahun Pembelajaran 2014/2015. Medan: FMIPA Universitas Negeri Medan.
- Grant, M.M. 2002. Getting A Grip On Project-Based Learning: Theory, Cases And Recommendations. *North Carolina: Meridian A Middle School Computer Technologies. Journal*, Vol. 5. Hal: 1-3, (online) (<http://www.ncsu.edu/meridian/win2002/514/project-based.pdf>).
- Hadzigeorgiou, Y., Fokialis, P., & Kabouropoulou, M. 2012. Thinking about Creativity in Science Education. *Creative Education 2012. Vol.3, No.5, 603-611 Published Online September 2012*. (online) (<http://www.scirp.org/journal/PaperDownload.aspx?paperID=22940>, diakses tanggal 3 Mei 2014).
- Hu, W. & Adey, P. A. 2002. Scientific creativity test for secondary school students. *International Journal of Science Education*, 24(4):389-403. ISSN 1464-5289 (online)(<http://ctpad.snnu.edu.cn/upload/files/HWP/lwhwp---009.pdf>, diakses tanggal 3 Mei 2014).
- Hussain, S., Ahmed, S., Serwat, M., & Tariq, S. 2011. The Effectiveness of Teaching Physics through Project Method on Academic Achievement of Students at Secondary Level -A Case Study. *Journal of Education and Practice*, Vol 2, No 8, 2011. ISSN 2222-1735 (Paper) ISSN 2222-288X (Online)(<http://pr.hec.gov.pk/Thesis/1584S.pdf>, diakses tanggal 28 November 2013).
- Hong, J. C. 2007. The Comparison of Problem-based Learning (PmBL) Model and Project-based Learning (PtBL) Model. Paper presented at the International Conference on Engineering Education – ICEE 2007, Coimbra, Portugal. (Online) (<http://www.ineer.org/events/icee2007/papers/179.pdf>, diakses pada tanggal 9 Desember 2013).
- Joyce, B., Weil, M., & Calhoun, E. 2008. *Models of Teaching (4th ed)*. Englewood Cliffs: Prentice Hall.
- Khotijah, S., Hadisaputro, S. & Soeprodjo. 2013. Pengaruh Pembelajaran Think Talk Write Berbasis Contextual Teaching and Learning. *CiE 2 (1)(2013) ISSN-No.2252.6609* (Online) (<http://journal.unnes.ac.id/sju/index.php/chemined>, diakses tanggal 25 Desember 2013)

- Kilpatrick, W. 1918. The Project Method: Child-Centeredness in Progressive Education. *Teachers College Record* 19:319-3345. (Online). (<http://historymatters.gmu.edu/d/4954/>, diakses 28 Desember 2013).
- King, Goodson. L, & Rohani, F. 2012. Higher Order Thinking Skills. Florida: Center for Advancement of Learning and Assessment, Folorida State University. (Online) (http://www.cala.fsu.edu/files/higher_order_thinking_skills.pdf, diakses pada tanggal 28 Desember 2013)
- King, S.H. 2009. *Project-Based Learning: Inspiring Middle School Students to Engage in Deep and Active Learning*. New York: NYC Departement of Education.
- Kurniawan, A. 2012. Pengaruh Model Pembelajaran Berbasis Proyek Terhadap Keterampilan Berpikir Kritis Dan Sikap Terkait Sains Siswa SMP. *Jurnal Penelitian Pendidikan Pasca Undhiksa*, (online), Vol 2, No 1. (http://pasca.undiksha.ac.id/e-journal/index.php/jurnal_ipa/article/view/399, diakses pada tanggal 9 Desember 2013).
- Liang, J. 2002. *Exploring scientific creativity of eleventh grade students in Taiwan*. Unpublished Ph.D thesis, The University of Texas at Austin. (online)(<http://repositories.lib.utexas.edu/bitstream/handle/2152/1100/liangj026.pdf>, diakses pada tanggal 3 Mei 2014).
- Lin, C., Hu, W., Adey, P. & Shen, J. 2003. The influence of CASE on scientific creativity. *Research in Science Education*, 33 (2): 143-162. (online) (<http://libgen.org/scimag/get.php?doi=10.1023/a:1025078600616>, diakses pada tanggal 3 Mei 2014).
- Luthvitasari, N., Made, N., & Linuwih, S. 2012. Implementasi Pembelajaran Fisika Berbasis Proyek Terhadap Keterampilan Berpikir Kritis, Berpikir Kreatif Dan Kemahiran Generik Sains. *Journal of Innovative Science Education, JISE* 1 (2) (2012). (Online) (<http://journal.unnes.ac.id/sju/index.php/jise>, diakses tanggal 28 November 2013).
- Mainisa. 2014. Pengaruh Model Pembelajaran Inkuiri Dan Kreativitas Terhadap Keterampilan Generik Sains Siswa di SMA Negeri 1 Peukan Pidie. Medan: Pascasarjana Universitas Negeri Medan.
- Malau, R. A. 2013. Pengaruh Penggunaan Strategi Pembelajaran Berbasis Quantum Teaching dan Kreativitas Siswa Terhadap Hasil Belajar IPS Terpadu Kelas VIII SMPN 1 Sidamanik (Tesis). Medan: PPs Universitas Negeri Medan.
- Mansoor, I. & Moss, D. 1997. *Project Based Learning And Assessment: A Resource Manual for Teacher*. Virginia: Arlington Public School.

- Marlinda, N.L.P.M. 2012. *Pengaruh Model Pembelajaran Berbasis Proyek Terhadap Kemampuan Berpikir Kreatif Dan Kinerja Ilmiah Siswa (Tesis)*. Bali: PPs Universitas Pendidikan Ganesha.
- Martin, M.O., Mullis I.V.S., dkk. 2012. *TIMSS 2011 International Results in Science*. Chestnut Hill: TIMSS & PIRLS International Study Center
- Martin, M. W. 2008. *Creativity, Ethics And Excellence In Science*. New York: Lexington Books.
- Maulana, Dodi. 2014. Efek Model Pembelajaran Sinektik Berbasis Peta Pikiran dan Kreativitas Terhadap Hasil Belajar Siswa Kelas X SMA Negeri 1 Babalan Kabupaten LANGKAT T.A. 2013/2014. Medan: Pascasarjana Universitas Negeri Medan.
- Mayer, A. 2012. The Difference Between Projects And Project-Based Learning. (online), (<http://www.teachthought.com/learning/project-based-learning/difference-between-projects-and-project-based-learning/>), diakses pada 25 November 2013).
- Mergendoller, J.R, Markham, T., Ravitz, J., and Lahmer, J., 2006. *Pervasive Management of Project Based Learning: Teacher as Guided and Facilitators*. Dalam Evertson, C.M & Weinstein, C.S.(Eds), *Handbook of Classroom Management Reseach, Practice dan Contemporary Issues*. Lawrence Erlbaum Associates Inc. Publisher. (hlm. 583-615). New York: Routledge Publisher.
- Munawaroh, R., Subali, B., & Sopyan, A. 2012. Penerapan Model Project Based Learning Dan Kooperatif Untuk Membangun Empat Pilar Pembelajaran Siswa SMP. *Unnes Physics Educatio Journal*, UPEJ 1 (1)(2012), Hal 33–37. (Online)(<http://journal.unnes.ac.id/sju/index.php/upej>), diakses tanggal 28 November 2013).
- Moravcsik, M. J. (1981). Creativity in science education. *Science Education*, 65 (2): 221-227. (online) (<http://libgen.org/scimag/get.php?doi=10.1002/sce.3730650212>), diakses pada tanggal 3 Mei 2014).
- Nami, Y., Marsooli, H., & Ashouri, M. 2013. The Relationship Between Creativity And Academic Achievement. *Procedia - Social and Behavioral Sciences* 114 (2014) 36 – 39 ISSN.1877-0428 (online)(<http://ac.els-cdn.com/S1877042813052919>), diakses tanggal 16 Januari 2015)
- Nasution, H. 2012. *Pengaruh Strategi Pembelajaran dan Kreativitas terhadap Hasil Belajar Matematika Siswa Sekolah Usaha Perikanan Menengah Negeri Pariaman (Tesis)*. Medan: PPs Universitas Negeri Medan.

- Noordin, M.K., Nasir, A.N., Ali, D.F., & Nordin, M.S. 2011. Problem-Based Learning (PBL) and Project-Based Learning (PjBL) in Engineering Education: A Comparison. *Kuala Lumpur: Proceedings of the IETEC'11 Conference*. (Online). (http://www.ietec-conference.com/ietec11/Conference%20Proceedings/ietec/papers/Conference%20Papers%20Refereed/Tuesday/TP2/TP2.3_19.pdf, diakses pada tanggal 9 Desember 2013).
- Özer, D.Z. ,& Özkan, M. 2012. The Effect of the Project Based Learning on the Science Process Skills of the Prospective Teachers of Science. *Journal of Turkish Science Education, TÜFED-TUSED/ 9(3) 2012*, Hal. 131-136. (Online)(<http://www.tused.org/internet/tused/archive/v9/i3/tusedv9i3a8.pdf>, diakses pada tanggal 28 November 2013).
- Pinho, M., Lopes, M., & Macedo, J. 2014. Project-Based Learning to Promote High Order Thinking and Problem Solving Skills in Geotechnical Courses. *iJEP – Volume 4, Issue 5, Special Issue: "CISPEE", March 2014*. (online)(<http://dx.doi.org/10.3991/ijep.v4i5.3535>, diakses pada tanggal 5 Januari 2015)
- Pekmez, E.S, Aktamiş, H., & Taşkın. B. C. 2009. Exploring Scientific Creativity Of 7th Grade Students. *Journal of Qafqaz University; 2009, Issue 26, p204-214*. (online) (http://journal.qu.edu.az/article_pdf/1004_53.pdf, diakses pada tanggal 3 Mei 2014).
- Purba. S. L. 2013. *Peningkatan Indeks Pembangunan Manusia Indonesia Guna Meningkatkan Daya Saing Bangsa dalam Rangka Ketahanan Nasional*. (online), (<http://edukasi.kompasiana.com/2013/10/31/peningkatan-indeks-pembangunan-manusia-indonesia-605326.html>, diakses 27 November 2013).
- Resnick, L. B. 1992. *Education And Learning To Think*. Washington, D.C.: National Academy Press.
- Riaz, M. N. 1989. Creativity And Psychological Differentiation in High And Low Achieving Science Students. *Pakistan Journal of Psychological Research Vol. 4, Winter 1989, 81-92* (online) (<http://www.pjprnip.edu.pk/pjpr/index.php/pjpr/article/download/262/223>, diakses tanggal 15 Januari 2015)
- Riyanto, Y. 2010. *Paradigma Baru Pembelajaran*. Jakarta: Kencana Prenada Media Group
- Sanjaya, W. 2006. *Strategi Pembelajaran Berorientasi Sumber Proses Pendidikan*. Bandung :Kencana.
- Santoso, E.B. 2008. Implementasi Metode Think-Talk-Write (TTW) dengan Macromedia Dreamweaver dalam Upaya Meningkatkan Aktivitas dan Prestasi Belajar Siswa. Yogyakarta: FST UIN Sunan Kalijaga.

- Sihotang, H.A. 2014. Pengaruh Pembelajaran Berbasis Proyek Terhadap Keterampilan Proses Sains dan Hasil Belajar Biologi Tingkat Tinggi Siswa di SMA Negeri 2 Kisaran Kabupaten Asahan. Medan: Pascasarjana Universitas Negeri Medan.
- Slameto. 2010. *Belajar & Faktor-Faktor Yang Mempengaruhinya*. Jakarta : Penerbit Rineka Cipta.
- Stripling, B., Lovett, N., & Macko, F.C. 2009. Overview of Project-based learning, *Dalam Project-Based Learning: Inspiring Middle School Students to Engage in Deep and Active Learning page 8 – 10*.
- Sudjana. 2005. *Metode Statistika*. Bandung: Tarsito.
- Sudjana, N. 2009. *Penilaian Hasil Proses Belajar Mengajar*. Bandung: Remaja Rosdakarya.
- Suherman. 2013. *Meningkatkan Hasil Belajar dengan Menggunakan Model Pembelajaran Problem Solving Berbasis Eksperimen Dalam Pembelajaran Fisika*. Medan: PPs Universitas Negeri Medan.
- Suparno, P. 2007. *Metodologi Pembelajaran Fisika*. Yogyakarta: Universitas Sanata Dharma.
- Suryani, F. & Fatkhulloh. 2012. Peningkatan Kreativitas Siswa dalam Proses Belajar Fisika pada Konsep Gelombang Elektromagnet Melalui Pembelajaran Think, Write dan Talk. *Prosiding Pertemuan Ilmiah XXVI HFI Jateng & DIY, Purworejo, 14 April 2012, ISSN: 0853-0823*.
- Sutrisno. 2012. *Kreatif Mengembangkan Aktivitas Pembelajaran Berbasis TIK*. Jakarta: Referensi.
- Suyono & Hariyanto. 2011. *Belajar dan Pembelajaran: Teori dan Konsep Dasar*. Bandung: PT Remaja Rosdakarya.
- Syukriah. 2014. Efek Model Pembelajaran Berbasis Proyek Terhadap Keterampilan Proses Sains dan Prestasi Belajar Siswa SMK. Medan: Pascasarjana Universitas Negeri Medan.
- Thomas, J.W. 2000. *A Review Of Research On Project-Based Learning*. California: The Autodesk Foundation. (online), (http://www.bie.org/index.php/site/RE/pbl_research/29, diakses pada tanggal 26 Nopember 2013).

- Thompson, T. 2008. Mathematics Teachers' Interpretation Of Higher-Order Thinking In Bloom's Taxonomy. *International Electronic Journal of Mathematics Education*, Volume 3, Number 2, July 2008 (Online) (<http://www.iejme.com/022008/d2.pdf> , diakses pada tanggal 4 Januari 2014)
- Tim Paradigma Pendidikan BSNP. 2010. *Paradigma Pendidikan Nasional Abad XXI*. Jakarta: BSNP.
- Trianto. 2009. *Mendesain Model Pembelajaran Inovatif-Progresif: Landasan, dan Implementasinya Pada Kurikulum Tingkat Satuan Pendidikan*. Surabaya: Penerbit Kencana.
- Wrigley, H.S. 1998. Knowledge in Action: The Promise of Project-Based Learning. *NCSALL Volume 2, Issue D, December 1998*. (Online) (<http://www.ncsall.net/index.html?id=384.html>, diakses pada tanggal 26 Nopember 2013).
- Yalcin, S. A., Turgut, U. & Buyukkasap, E. 2009. The Effect of Project Based Learning On Science Undergraduates' Learning Of Electricity, Attitude Towards Physics And Scientific Process Skills. *International Online Journal of Educational Sciences*, 2009, 1 (1), 81-105. (online)(www.iojes.net)© 2010 International Online Journal Of Educational Sciences. ISSN: 1309-2707, diakses tanggal 28 November 2013)
- Yamin, M. & Ansari, B.I., 2012. *Taktik Mengembangkan Kemampuan Individual Siswa*. Jakarta: Referensi, Gaung Persada Group.
- Yance, R.D., Ramli, E., dan Mufit, F. 2013. Pengaruh Penerapan Model *Project Based Learning* (PBL) Terhadap Hasil Belajar Fisika Siswa Kelas XI IPA SMA Negeri 1 Batipuh Kabupaten Tanah Datar. *Pillar Of Physics Education, Vol. 1. April 2013, 48-54* (Online) (<http://ejournal.unp.ac.id/students/index.php/pfis/article/download/490/279>, diakses pada tanggal 24 Desember 2014).