

DAFTAR PUSTAKA

- Abungu, H.E., Okere, M.I.O., & Wachanga, S.W. (2014). The Effect of Science Process Skills Teaching Approach on Secondary School Student's Achievement in Chemistry in Nyando District, Kenya. *Journal of Educational and Social Research*, 4 (6), hlm. 359-372. Diakses dari <http://www.mcser.org/journal/index.php/jesr/article/view/4101>
- Abdi, A. (2014). The Effect of Inquiry-based Learning Method on Students' Academic Achievement in Science Course. *Universal Journal of Educational Research*, 2 (1), hlm. 37-41. Diakses dari <http://files.eric.ed.gov/fulltext/EJ1053967.pdf>
- Abdullah, M. & Osman, K. (2010). 21th Century Inventive Thingking Skills among Primary Students in Malaysia and Brunei. *Procedia Social and Behavioral Science*, 9 (2010), hlm. 1646-1651. Diakses dari <http://www.sciencedirect.com/science/article/pii/S1877042810024857>
- Agustiningsih, S., Sasongko, S.B., & Sudarno. (2012). Analisis Kualitas Air dan Strategi Pengendalian Pencemaran Air Sungai Blukar Kabupaten Kendal. *Jurnal Presipitasi*, 9 (2), hlm. 64-71. Diakses dari <http://www.ejournal.undip.ac.id/index.php/presipitasi/article/viewFile/4928/4465>
- Akbar, M. (2015). *Contoh Penerapan Pendekatan Scientific dalam Pembelajaran IPA*, Badan Pengembangan Sumber Daya Manusia Pendidikan dan Kebudayaan Kementrian Pendidikan dan Kebudayaan. [Online]. Diakses dari <http://slideplayer.info/slide/3075136/#>
- Aktamis, H. & Ergin, Ö. (2008). The Effect of Scientific Process Skills Education on Students' Scientific Creativity, Science Attitudes, and Academic Achievements. *Asia-Pasific Forum on Science Learning and Teaching*, 9 (1). Diakses dari https://www.ied.edu.hk/apfslt/download/v9_issue1_files/aktamis.pdf
- Aktaş, M. *et al.* (2013). Gender and Experience ss Predictor of Biology Teachers' Education Process Self-Efficacy Perception and Perception of Responsibility From Student Success. *International Jpurnal on New Trends in Education and Their Implication*, 4 (3), hlm. 37-47. Diakses dari <http://www.ijonte.org/FileUpload/ks63207/File/05.aktas.pdf>
- Al-Tabany, T.I.B. (2014). *Mendesain Model Pembelajaran Inovatif, Progresif, dan Kontekstual*. Jakarta: Prenadamedia Group.
- Anonim a. (2005). *Testing for Normality* [Slide Powerpoint]. Diakses dari <http://webspace.ship.edu/pgmarr/Geo441/Lectures/Lec%205%20-%20Normality%20Testing.pdf>

- Anonim b. (2003). Levene's Test for Equality of Variance. [Handout]. Diakses dari http://www.people.vcu.edu/~wsstreet/courses/314_20033/Handout.Levene.pdf
- Anwar, Y., *et al.* (2014). Kemampuan *Pedagogical Content Knowledge* Guru Biologi yang Berpengalaman dan yang Belum Berpengalaman. *Jurnal Pengajaran MIPA*, 19 (1), hlm. 69-73. Diakses dari <http://journal.fpmipa.upi.edu/index.php/jpmipa/article/viewFile/426/331>
- Arikunto, S. (2012). *Prosedur Penelitian: Suatu Pendekatan Praktik*. Jakarta : Rhineka Cipta.
- Ataha, U.C. & Ogumogu, A.E. (2013). An Investigation Of The Scientific Attitude Among Science Students In Senior Secondary Schools In Edo South Senatorial District, Edo State. *Journal of Education and Practice*, 4 (11), hlm. 12-16. Diakses dari <http://www.iiste.org/Journals/index.php/JEP/article/viewFile/6424/6447>
- Aydođdu, B. (2015). The Investigation of Science Process Skills of Science Teachers in Terms of Some Variables. *Educational Research and Reviews*, 10 (5), hlm. 582-594. DOI: 10.5897/ERR2015.2097. Diakses dari <http://www.academicjournals.org/journal/ERR/article-abstract/F14328D51103>
- Badan Standar Nasional Pendidikan (BSNP). (2006). *Panduan Penyusunan Kurikulum Tingkat Satuan Pendidikan Jenjang Pendidikan Dasar dan Menengah*. Jakarta: Badan Standar Nasional Pendidikan.
- Balany, C. A. S. & Roa, E.C. (2013). Assessment on Students' Science Process Skills: A Student-Centred Approach. *International Journal of Biology Education*, 3 (1), hlm. 24-44. Diakses dari <http://dergipark.ulakbim.gov.tr/ijobed/article/view/5000115835>
- Campbell, N.A. *et al.* (2012). *Biologi Jilid 3- Edisi Kedelapan*. Jakarta: Erlangga.
- Christidou, V. (2011). Interest, Attitudes and Images Related to Science: Combining Students' Voices with The Voices of School Science, Teachers, and Popular Science. *International Journal of Environmental & Science Education*, 6 (2), hlm. 141-159. Diakses dari <http://eric.ed.gov/?id=EJ944846>
- Chudgar, A., & Sankar, V. (2008). The relationship between teacher gender and student achievement: Evidence from five Indian states. *Compare: A Journal of Comparative Education*, 38 (5), hlm. 627-642. DOI: 10.1080/03057920802351465. Diakses dari <http://www.tandfonline.com/doi/abs/10.1080/03057920802351465>

- Lason, D.L. & Dormody, T.J. (Tanpa Tahun). Analyzing data Measured by Individual Likert-Type Items. *Jornal of Agriculture Education*, 35 (4), hlm. 31-35. Diakses dari <http://pubs.aged.tamu.edu/jae/pdf/Vol35/35-04-31.pdf>
- Coladarci, T., et al. (2011). *Fundamentals of Statistical Reasoning in Education – Third Edition*. United State of America: John Wiley & Sons, Inc.
- Dahar, R.W. (1989). *Teori-teori Belajar*. Jakarta: Erlangga.
- Dee, T.S. (2006). The why chromosome: How a teacher's gender affects boys and girls. *Stanford, CA: Education Next*. Diakses dari http://cepa.stanford.edu/sites/default/files/ednext20064_68.pdf
- Deny, S. Ini Cara Agar Sektor Perikanan RI Tahan Gempuran Pasar Bebas. (1 Januari 2016). *Liputan 6 Online*. Diakses 27 Februari 2016, dari: <http://bisnis.liputan6.com/read/2402249/ini-cara-agar-sektor-perikanan-ri-tahan-gempuran-pasar-bebas>.
- Depkeu: *ASEAN Free Trade Area (AFTA)*. (Tanpa Tahun). *Depkeu Online*. Diakses 27 Februari 2016, dari <http://www.tarif.depkeu.go.id/Others/?hi=AFTA>
- Ekici, G. (2010). Factors Affecting Biology Lesson Motivation of High School Students. *Procedia – Social and Behavioral Sciences*, 2 (2010), hlm. 2137-2142. DOI: 10.1016/j.sbspro.2010.03.295. Diakses dari <http://www.sciencedirect.com/science/article/pii/S1877042810003356>
- Fraenkel, J.R., Wallen, N.E., & Hyun, H.H. (2012). *How to Design and Evaluate Research in Education*. Eighth Edition. New York: McGraw-Hill International Edition.
- Gatswirth, J.L., Gel, Y.R., & Miao, W. (2009). The Impact of Levene's Test of Equality of Variance on Statistical Theory and Practice. *Statistical Science*, 24 (3), hlm. 343-360. Diakses dari <https://arxiv.org/pdf/1010.0308>
- Genc, M. (2015). The Project-Based Learning Approach in Environmental Education. *International Research in Geographical and Environmental Education*, 24 (2), hlm 105-117. Diakses dari <http://www.tandfonline.com/doi/full/10.1080/10382046.2014.993169>
- Gilbert, S.W. (2011). *Models-Based Science Teaching*. United State of America: National Science Teachers Association (NSTA) Press.
- Guevara, C.A. (2015). Science Process Skills Development through Innovation in Science Teaching. *Research Journal of Educational Sciences*, 3 (2), hlm. 6-10. Diakses dari http://www.isca.in/EDU_SCI/Archive/v3/i2/2.ISCA-RJEduS-2015-003.pdf

- Hacieminoglu, E. (2016). Elementary School Students' Attitude toward Science and Related Variables. *International Journal of Environmental & Science Education*, 11 (2), hlm. 35-52. Diakses dari http://www.ijese.net/makale_indir/13
- Hussain, M. & Akhtar, M. (2013). Impact of Hands-on Activities on Students' Achievement in Science: An Experimental Evidence from Pakistan. *Middle-East Journal of Scientific Research*, 16 (5), hlm. 626-632. DOI: 10.5829/idosi.mejsr.2013.16.05.1310. Diakses dari [http://www.idosi.org/mejsr/mejsr16\(5\)13/10.pdf](http://www.idosi.org/mejsr/mejsr16(5)13/10.pdf)
- John, K. & Ademola, R. (2014). Science Attitude, Attitude to Science and Science Achievement of Senior Secondary School Students in Katsina State, Nigeria. *Journal of Educational and Social Research*, 4 (1), hlm. 445-452. Diakses dari <http://www.mcser.org/journal/index.php/jesr/article/view/1862>
- Jumiati, Sari, M., & Akmalia, D. (2011). Peningkatan Hasil Belajar Siswa dengan Menggunakan Model Numbereds Head Together (NHT) Pada Materi Gerak Tumbuhan Di Kelas VII SMP Sei Putih Kampar. *Lectura*, 02 (02), hlm. 161-185. Diakses dari <http://unilak.ac.id/media/file/73452042508Martalasariumiati-dian.pdf>
- Karamustafaoğlu, S. (2011) Improving The Science Process Skills Ability of Science Student Teachers Using I Diagrams. *Eurasian Journal of Physics and Chemistry Education*, 3 (1), hlm. 26-38. Diakses dari <http://www.acarindex.com/dosyalar/makale/acarindex-1423880494.pdf>
- Kementerian Pendidikan dan Kebudayaan a. (2013). *Salinan Permendikbud No. 65 Tahun 2013 tentang Standar Proses*. Jakarta: Kemdikbud.
- Kementerian Pendidikan dan Kebudayaan b. (2013). *Salinan Permendikbud No. 81A Lampiran Empat tentang Pedoman Umum Pembelajaran*. Jakarta: Kemdikbud.
- Kementerian Pendidikan dan Kebudayaan c. (2013). *Contoh Penerapan Pendekatan Sacientific dalam Pembelajaran IPA*. Jakarta: Kemdikbud.
- Kusnadi .(2012). *Pengarahan Mini Riset* [Slide Powerpoint]. Diakses dari http://file.upi.edu/Direktori/FPMIPA/JUR._PEND._BIOLOGI/196805091994031-KUSNADI/KULIAH,_PENGARAHAN_MINI_RISET.pdf
- Lee, M.K., & Erdogan, I. (2007). The Effect of Scince-Technology-Society Teaching on Student's Attitudes toward Scoence and Certain Aspects of Creativity. *International Journal of Science Education*, 29 (11), hlm. 1315-1327. Diakses dari <http://www.researchgate.net/publication/248975198>

- Leksono, S.M., Rustaman, N., & Redjeki, S. (2013). Kemampuan Profesional Guru Biologi dalam Memahami dan Merancang Model Pembelajaran Konservasi Biodiversitas di SMA. *Cakrawala Pendidikan*, XXXII (3), hlm. 408-419. Diakses dari <http://journal.uny.ac.id/index.php/cp/article/viewFile/1628/1360>
- Mardinata, S.L. 6 Ilmuwan Indonesia dan Temuannya yang Mendunia. (5 Desember 2014). *Liputan 6 Online*. Diakses 27 Februari 2016, dari: <http://citizen6.liputan6.com/read/2143115/6-ilmuwan-indonesia-dan-temuannya-yang-mendunia?p=1>.
- Marganingrum, D. & Noviard, R. (2010). Pencemaran Air dan Tanah di Kawasan Pertambangan Batubara di PT. Bebau Coal, Kalimantan Timur. *Riset Geologi dan Pertambangan*, 20 (1), hlm. 11-20. Diakses dari <http://www.jrisetgeotam.com/index.php/jrisgeotam/article/viewFile/30/46>
- McLelland, C.V. (Tanpa Tahun). The Nature of Science and The Scientific Method. *GSA Distinguished Earth Science Educator in Residence*. Diakses dari <http://www.geosociety.org/educate/NatureScience.pdf>
- Mendenhall, W. dan Beaver, R. J. (1994). *Introduction to Probability and Statistics*. California: Duxbury Press.
- Moore, R.W. & Foy, R.L.H. (1997). The Scientific Attitude Inventory: A Revision (SA II). *Journal of Research in Science Teaching*, 34 (4), hlm. 327-336. Diakses dari [http://onlinelibrary.wiley.com/doi/10.1002/\(SICI\)1098-2736\(199704\)34:4%3C327::AID-TEA3%3E3.0.CO;2-T/abstract](http://onlinelibrary.wiley.com/doi/10.1002/(SICI)1098-2736(199704)34:4%3C327::AID-TEA3%3E3.0.CO;2-T/abstract)
- Moeed, A. (2013). Science Investigation That Best Supports Student Learning: Teachers' Understanding of Science Investigation. *International Journal of Environmental & Science Education*, 8 (2013), hlm. 537-559. Diakses dari <http://files.eric.ed.gov/fulltext/EJ1016895.pdf>
- Moore, V.J., et al. (2014). Societal Issues in Social Studies and Science Education: Promoting Responsible Citizenship. *International Journal of Humanities and Social Science*, 4 (10), hlm. 69-73. Diakses dari http://www.ijhssnet.com/journals/Vol_4_No_10_August_2014/9.pdf
- Movahedzadeh, F., et al. (2012). Project-Based Learning to Promote Effective Learning in Biotechnology Courses. *Education Research International - Hindawi Publishing Corporation*. DOI:10.1155/2012/536024. Diakses dari <http://downloads.hindawi.com/journals/edri/2012/536024.pdf>
- Murray, J. (2013). Likert Data: What to Use, Parametric or Non-Parametric. *International Journal of Business and Social Science*, 4 (11), hlm. 258-264. Diakses dari http://ijbssnet.com/journals/Vol_4_No_11_September_2013/23.pdf

- Nasr, A.R. (2011). Attitudes towards Biology and Its Effects on Student's Achievement. *International Journal of Biology*, 3 (4), hlm. 100-104. Diakses dari <http://www.ccsenet.org/journal/index.php/ijb/article/viewFile/12442/8705>
- Novak, J.D. & Gowin, D.B. (1984). *Learning How to Learn*. New York: Cambridge University Press.
- Özgelen, S. (2012). Students' Science Process Skills within a Cognitive Domain Framework. *Eurasia Journal of Mathematics, Science, & Technology Education*, 8 (4), hlm. 283-292. Diakses dari http://www.ejmste.com/v8n4/eurasia_v8n4_ozgelen.pdf
- Padilla, M.J. (1990). The Science Process Skills. *National Association for Research in Science Teaching*, No. 9004. Diakses dari <https://www.narst.org/publications/research/skill.cfm>
- Pascasarjana Undiksha. (Tanpa Tahun). Analisis Data dengan SPSS. [*e-learning*]. Diakses dari <http://pasca.undiksha.ac.id/e-learning/staff/dsnmateri/4/1-45.pdf>
- Prokop, P., Tuncer, G., & Chudá, J. (2007). Slovakian Students' Attitudes toward Biology. *Eurasia Journal of Mathematics, Science & Technology Education*, 3 (4), hlm. 287-295. Diakses dari www.ejmste.org/v3n4/EJMSTE_v3n4_Prokop_et.al.pdf
- Prokop, P., Prokop, M., & Tunnicliffe, S.D. (2007). Is Biology Boring? Students Attitudes toward Biology. *Journal of Biological Education*, 42 (1), hlm. 36-39. Diakses dari <http://www.tandfonline.com/doi/abs/10.1080/00219266.2007.9656105>
- Rahmat, A., *et al.* (2014). Peta Kompetensi Guru Biologi di SMA Kota Bandung Berdasarkan Analisis Kesesuaian Proses Pembelajaran Di Kelas dengan Tuntutan Kompetensi Dasar. *Jurnal Pengajaran MIPA*, 19 (2), hlm. 179-187. Diakses dari http://journal.fpmipa.upi.edu/index.php/jpmipa/article/viewFile/459/pdf_15
- Rauf, R.A.A, *et al.* (2013). Inculcation of Science Process Skills in a Science Classroom. *Asian Social Science*, 9 (8), hlm. 47-57. Diakses dari <http://www.ccsenet.org/journal/index.php/ass/article/download/26883/16391>
- Rifqiyati. (2013). Analisis Literasi Sains dan Kemampuan Melakukan Mini Riset Mahasiswa Biologi (Tesis, Universitas Pendidikan Indonesia, 2013, Tidak diterbitkan).

- Rosaroso, R.C. & Rosaroso, N.A. (2015). Performance-based Assessment in Selected Higher Education Institution in Cebu City, Philippines. *Asia Pacific Journal of Multidisciplinary Research*, 3 (4), hlm. 72-77. Diakses dari <http://www.apjmr.com/wp-content/uploads/2015/11/APJMR-2015-3.4.4.11.pdf>
- Rustaman, N.Y., *et al.* (2003). *Strategi Belajar Mengajar Biologi*. Bandung: Jurusan Pendidikan Biologi FPMIPA UPI.
- Rustaman, N.Y. (2007). *Keterampilan Proses Sains* [Slide Powerpoint]. Diakses dari file.upi.edu
- Rustaman, A. (2010). *Keterampilan Proses Sains (Science Process Skills)* [Slide Powerpoint]. Diakses dari www.file.upi.edu [10 Oktober 2011]
- Ryan, M. & O'Callaghan, A. (2002). *The Scientific Method*. Cooperative Extension – University of Nevada. Diakses dari <https://www.unce.unr.edu/publications/files/cd/2002/fs0266.pdf>
- Şener, N., Türk, C., & Taş, E. (2015). Improving Science Attitude and Creative Thinking through Science Education Project: A Design, Implementation and Assessment. *Journal of Education and Training Studies*, 3 (4), hlm. 57-67. Diakses dari files.eric.ed.gov/fulltext/EJ1067255.pdf
- Sadeh, I., & Zion, M. (2009). The Development of Dynamic Inquiry Performance within an Open Inquiry Setting: A Comparison to Guided Inquiry Setting. *Journal of Research in Science Teaching*, 46 (10), hlm. 1137-1160. Diakses dari <http://cms.education.gov.il/NR/rdonlyres/9E888097-AB25-4882-99FB-21F014E29654/104124/SadehandZionJRST.pdf>
- Shamsudin, N.M., Abdullah, N., & Yaamat, N. (2013). Strategies of Teaching Science Using an Inquiry Based Science Education (IBSE) by Novice Chemistry Teachers. *Procedia-Social and Behavioral Sciences*, 90 (2013), hlm. 583-592. Diakses dari <http://www.sciencedirect.com/science/article/pii/S187704281302017X>
- Saphiro, S.S. & Wilk, M.B. (1965). An Analysis of Variance Test for Normality (Complete Samples). *Biometrika*, 52 (3/4), hlm. 591-611. Diakses dari <http://www.math.utah.edu/~morris/Courses/ShapiroWilk.pdf>
- Shavelson, R.J., Baxter G.P., & Pine, J. (1991). Performance Assessment in Science. *Applied Measurement in Education*, 4 (4), hlm. 347-262. Diakses dari http://cfu.ac.ir/file/2/attach201509276720983098973-Performance_Assessment_in_Science.pdf
- Subardi, *et al.* (2009). *Biologi Kelas X SMA dan MA*. Diakses dari bse.kemdikbud.go.id

- Sudjana. (2005). *Metoda Statistika*. Bandung: Tarsito.
- Sugiyono. (2013). *Metode Penelitian Pendidikan*. Bandung: Alfabeta.
- Suherman, E. (2003). *Evaluasi Pembelajaran Matematika*. Bandung: Jurusan Pendidikan Biologi Universitas Pendidikan Indonesia.
- Wenning, C.J. (2005). Levels of Inquiry: Hierarchies of Pedagogical Practices and Inquiry Process. *Journal of Physics Teacher Education Online*, 2 (3), hlm. 3-12. Diakses dari http://www2.phy.ilstu.edu/pte/publications/levels_of_inquiry.pdf
- _____. (2010). Levels of Inquiry: Using Inquiry Spectrum Learning Sequence to Teach Science. *Journal of Physics Teacher Education Online*, 5 (3), hlm. 11-20. Diakses dari http://www2.phy.ilstu.edu/pte/publications/learning_sequences.pdf
- Wulan, A.R. (2011). *Penilaian Kinerja dan Portofolio Pada Pembelajaran Biologi [Handout]*. Diakses dari www.file.upi.edu
- Yadav, B. & Mishra, S. K. (2013). A Study of the Impact of Laboratory Approach on Achievement and Process Skills in Science among is Standard Students. *International Journal of Scientific and Research Publication*, 3 (1), hlm. 1-6. Diakses dari <http://www.ijsrp.org/research-paper-1301/ijsrp-p1382.pdf>
- Yörük, N., Morgil, I., & Seçken, N. (2010). The Effects Of Science, Technology, Society, Environment (STSE) Interactions on Teaching Chemistry. *Natural Science*, 2 (12), hlm. 1417-1424. Diakses dari file.scirp.org/pdf/NS20101200011_43165846.pdf
- Zeidan, A.H., & Jayosi, M.R. (2015). Science Process Skills and Attitudes toward Science among Palestinian Secondary School Students. *World Journal of Education*, 5 (1), hlm. 13-24. Diakses dari <http://www.sciedu.ca/journal/index.php/wje/article/view/5890>
- Zeitoun, S. & Hajo, Z. (2015). Investigating the Science Process Skills in Cycle 3 National Science Textbooks in Lebanon. *American Journal of Educational Research*, 3 (3), hlm. 268-275. Diakses dari <http://pubs.sciepub.com/education/3/3/3/>
- Zion, M., Cohen, S., & Amir, R. (2007). The Spectrum of Dynamic Inquiry Teaching Practices. *Research and Science Education – Springer*, 37 (4), 423-447. DOI 10.1007/s11165-006-9034-5. Diakses dari <http://link.springer.com/article/10.1007/s11165-00>