

## DAFTAR PUSTAKA

- Abdi, A. 2014. The Effect of Inquiry-based Learning Method on Students' Academic Achievement in Science Course. *Universal Journal of Educational Research* 2(1).
- Agran, M., Blanchard, C., Wehmeyer, M., & Hughes, C. 2002. Increasing the Problem-Solving Skills of Students with Developmental Disabilities Participating in General Education. *Remedial and Special Education*. Volume 23, Number 5.
- Aina, Kola, J., Philip, & Joseph, Y. 2013. Imperative of Environment in Science Learning. *Open Science Journal of Education*, 1 (1).
- Amin, M. 1987. *Mengajarkan IPA dengan Menggunakan Metode Discovery dan Inkuiri*. Jakarta: Dirjen Dikti Depdikbud.
- Amprasto. 2016. *Pengembangan Program Field Trip Berbasis Inkuiri untuk Meningkatkan Kemampuan Bekerja Ilmiah dan Memecahkan Masalah Calon Guru Biologi*. Disertasi : MIPA UPI.
- Anderson, L. W. & Krathwohl, D. R. 2001. *Kerangka Landasan untuk Pembelajaran, Pengajaran dan Asesmen*. Revisi taksonomi Bloom. (Prihantoro, Trans). Yogyakarta: Pustaka Pelajar.
- Arikunto, S. 2012. *Dasar-dasar evaluasi pendidikan*. Jakarta: PT. Bumi Aksara.
- Aqib, Z. 2013. *Model-model, Media, dan Strategi Pembelajaran Kontekstual (Inovatif)*. Bandung: Yrama Widya.
- Azizmalayeri, K., MirshahJafari, E., Sharif, M., Asgari, M., & Omid, M. 2012. The Impact of Guided Inquiry Methods of Teaching on the Critical Thinking of High School Student. *Journal of Education and Practice*, 3 (10): 1-7.

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Universitas Pendidikan Indonesia | repository.upi.edu |  
perpustakaan.upi.edu

- Bassham, G., Irwin, W., Nardone, H., & Wallace, J. M. (Eds). 2007. *Critical Thinking: A Student Introduction*. Singapore: McGraw-Hill Company, Inc.
- Beyer, B. K. 1971. *Inquiry in the social studies classroom: A Strategy for Teaching*. Columbus: Charles E Merrill Publishing Co.
- Boucand, D. W., Nabel, M., & Eggers, C. H. 2013. Oxford-Style Debates in a Microbiology Course for Majors: A Method for Delivering Content and Engaging Critical Thinking Skills. *Journal of Microbiology & Biology Education*. Vol. 14. Num 1. DOI: <http://dx.doi.org/10.1128/jmbe.v14i1>.
- Brown, P.L., Abell, S.K., Demir, A., & Schmidt, F.J. 2006. College Science Teachers' Views of Classroom Inquiry. *Science Education*, Vol. 90: 784-802.
- BSNP. 2006. Permendiknas RI No. 22 Tahun 2006 tentang Standar Isi untuk Satuan Pendidikan Dasar dan Menengah. Jakarta.
- Campbell, N. A. & Reece, J. B. 2008. *Biology eight edition*. San Francisco U.S: Pearson Benjamin Cummings.
- Chiu Ming Ming. 2000. Group Problem-Solving Processes: Social Interactions and Individual Actions. *Journal for the Theory of Social Behaviour* 30(1).
- Costa, A. L. 1996. Teaching For, Of, and About In A. L. Costa (Eds). *Developing Minds: A Resource Book for Teaching Thinking*. Alexandria: Association for Supervision and Curriculum Development.
- Dahar, R. W. 1991. *Teori-teori Belajar*. Jakarta: Erlangga.
- Darland, D. C. & Carmichael. J. S. 2012. Long-Term Retention of Knowledge and Critical Thinking Skills in Developmental

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**PENERAPAN METODE FIELD TRIP BERBASIS INKUIRI UNTUK  
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Universitas Pendidikan Indonesia | [repository.upi.edu](http://repository.upi.edu) |  
[perpustakaan.upi.edu](http://perpustakaan.upi.edu)

Biology. *Journal of Microbiology & Biology Education*. Vol. 13. Num 2. DOI: <http://dx.doi.org/10.1128/jmbe.v13i2.331>.

Departemen Pendidikan Nasional. 2008. *Strategi Pembelajaran MIPA*. DiktiDitjen PMPTK Jakarta.

Diana, S. 2012. Penerapan Model Pembelajaran Whole Group Jigsaw dalam Perkuliahan Embriologi Tumbuhan. *Jurnal Pengajaran MIPA*. 17.

Dimiyati & Mudjiono. 2009. *Belajar dan Pembelajaran*. Jakarta: Rineka Cipta.

Direktorat Tenaga Kependidikan. 2008. *Strategi Pembelajaran dan Pemilihannya*. Direktorat Jenderal Peningkatan Mutu Pendidik dan Tenaga Kependidikan Departemen Pendidikan Nasional.

Djamarah, S. 2005. *Guru dan Anak Didik dalam Interaksi Edukatif*. Jakarta: Rineka Cipta.

Ennis, R. H. 1996. *Critical Thinking and Communication*. USA: Prentice-Hall, Inc.

Ernst, J. & Monroe, M. 2004. "The Effects of Environment-Based Education on Student's Critical Thinking Skills and Disposition toward Critical Thinking". *Environmental Education Research*.

Firdaus, Kailani, I., Bakar, N. B. & Bakry. 2015. Developing Critical Thinking Skills of Students in Mathematics Learning. *Journal of Education and Learning*. Vol. 9(3) pp. 226-236.

Fisher, A. 2001. *Critical Thinking. An Introduction*. United Kingdom: Cambridge University Press.

Fraenkel, J. R & Wallen, N. E. 2011. *How to Design and Evaluate Research in Education (Sixth Edition)*. New York: McGraw-Hill.

**Husnul Sakinah Asra, 2018**

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[perpustakaan.upi.edu](http://perpustakaan.upi.edu)

- Fuad, N. M., Zubaidah, S., Mahanal, S. & Suarsini, E. (2017). Improving Junior High Schools' Critical Thinking Skills Based on Test Three Different Models of Learning. *International Journal of Instruction*, 10 (1): 101-116.
- Gaddis, B. A. & Schoffstall, A. 2007. Incorporating Guided-inquiry Learning into Organic Chemistry Laboratory Classrooms: A Cross-national Study. *Higher Education* 24.
- Gasper, B. J & Gardner, S. M. 2013. Engaging Students in Authentic Microbiology Research in an Introductory Biology Laboratory Course is Correlated with Gains in Student Understanding of the Nature of Authentic Research and Critical Thinking. *Journal of Microbiology & Biology Education*. Vol. 14. Num 1. DOI: <http://dx.doi.org/10.1128/jmbe.v14i1.460>.
- Gengarelly, L. M. & Abrams, E. D. 2009. Closing the Gap: Inquiry in Reasearch and the Secondary Science Classroom. *Journal of Science Education and Technology*, 18 (1): 74-84.
- Gibby, C. 2013. *Critical Thinking in Adult Learners, Arecls vol 10*.
- Gok, T & Silay, I. 2010. *The Effects of Problem solving Strategies on Students' Achievement, Attitude and Motivation*. Lat. Am. J. Phys. Educ. Vol. 4, No. 1, Jan. 2010.
- Gradstein, S.R. 2003. *Ecology of Bryophyta. A Handout Lecture of Regional Training Course On Biodeversity and Conservation of Bryophyta and Lichens*. Bogor: Indonesia.
- Gulo, W. 2002. *Strategi Belajar-Mengajar*. Jakarta: PT. Grasindo.
- Hake, R. R. 1999. *Analyzing Change Gain Scores*. USA: Dept. of Physics, Indiana University.
- Hamalik, O. 1991. *Pendidikan Guru Konsep dan Strategi*. Bandung: Mandar Maju.

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[perpustakaan.upi.edu](http://perpustakaan.upi.edu)

- Hanafiah. 2012. *Konsep Strategi Pembelajaran*. Bandung: PT Refika Aditama.
- Hasan, M. & Ariyanti, N. 2004. *Mengenal Bryophyta (Lumut) Taman Nasional Gunung Gede Pangrango Volum 1*. Balai Taman Nasional Gunung Gede Pangrango. Cibodas.
- Hasruddin. 2009. Memaksimalkan Kemampuan Berpikir Kritis Melalui Pendekatan Kontekstual. *Jurnal Tabularasa PPS UNIMED*, 6(1).
- Holscher, Norris, D., Kohler, A. & Bruijnzeel, L. 2004. The importance of epiphytes to total rainfall interception by a tropical montane rainforest in Costa Rica. *Journal of Hydrology*, 292.
- Howard, D. & Miskowski, J. 2005. Using a Module Based Laboratory to Incorporate Inquiry into a Large Celss Biology Course. *A journal of Life Science Education*. 4(3).
- Inch, E. S., Warnick, B., & Endres, D. 2006. *Critical Thinking and Communication The Use of Reason in Argument*. Boston: Pearson Education.
- Jacobsen, D., Eggen, P., & Kauchak, D. 2009. *Methods for Teaching*. Yogyakarta: Pustaka Pelajar.
- Janawi. 2013. *Metodologi dan Pendekatan Pembelajaran*. Yogyakarta: Penerbit Ombak.
- Jufri, W. 2013. *Belajar dan Pembelajaran Sains*. Bandung: Pustaka Reka Cipta.
- Kalelioglu, F. & Gulbahar, Y. 2014. The Effect of Instructional Techniques on Critical Thinking and Critical Thinking Dispositions in Online Discussion. *Educational Technology & Society*, 17 (1).

**Husnul Sakinah Asra, 2018**

**PENERAPAN METODE FIELD TRIP BERBASIS INKUIRI UNTUK  
MENINGKATKAN KETERAMPILAN BERPIKIR KRITIS DAN PROBLEM  
SOLVING SISWA PADA MATERI PLANTAE**

Universitas Pendidikan Indonesia | repository.upi.edu |  
perpustakaan.upi.edu

- Kemendikbud. 2016. *Silabus Mata Pelajaran Sekolah Menengah Atas/ Madrasah Aliyah (SMA/MA)*. Jakarta: Kementerian Pendidikan dan Kebudayaan.
- Kirkley, J. 2003. *Principles for Teaching Problem solving*. Plato Learning Center.
- Komalasari, K. 2010. 2011. *Pembelajaran Kontekstual, Konsep dan Aplikasi*. Bandung: PT. Refika Aditama.
- Kremer, K., Specht, C., Urhahne, D., & Mayer, J. 2013. The relationship in biology between the nature of science and scientific inquiry. *Journal of Biological Education*, 48(1).
- Leksono, S. M. & Rustaman, N. Y. 2012. *Sikap Mahasiswa terhadap Scientific Field Trips pada Perkuliahan Biologi Konservasi Berbasis Kearifan Lokal*. Prosiding Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA, Fakultas MIPA, Universitas Negeri Yogyakarta.
- Magno, C. 2010. *The Role of Metacognitive Skills in Developing Critical Thinking*. Volume 5, Issue 2.
- Mahgoub, Y. M. & Alawat, A. A. 2014. The Impact of Field Trips on Students Creative Thinking and Practices in Art Education. *Journal of American Sains*.
- Marzano, R. J. & Kendall, J. S. 2007. *The New Taxonomy of Educational Objectives – second edition*. California: Corwin Press.
- Matlin, W. 1989. *Cognition*. Second Edition. New York: Holt, Rineheart and Winston, Inc.
- Meiers, N. 2010. *Designing Effective Field Trips at Zoos and Aquariums*. A Literature Review.

**Husnul Sakinah Asra, 2018**

**PENERAPAN METODE FIELD TRIP BERBASIS INKUIRI UNTUK  
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SOLVING SISWA PADA MATERI PLANTAE**

Universitas Pendidikan Indonesia | repository.upi.edu |  
perpustakaan.upi.edu

- Memnun, D. S. 2012. Mathematical Problem Solving: Variables that Affect Problem Solving Success. *International Research in Education*. ISSN 2327-5499. Vol. 3, No. 2.
- Mishler, B., Lewis, L. & Buchheim, M. 2003. Phylogenetic relationships of the green algae and bryophytes. *Annals of the Missouri Botanical Garden*.
- Mulyasa. 2014. *Pengembangan dan Implementasi Kurikulum 2013*. Bandung: PT Remaja Rosdakarya.
- Myers & Jones. 2004. *Effective Use of Field Trips in Educational Programming: A Three Stage Approach*. Agricultural Education and Communication Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
- Nakin, J. B. N. 2003. *Creativity and Divergent Thinking in Geometry Education*. Disertasi University of South Afrika.
- Nuangchalerm, P. 2014. Inquiry-based Learning in China: Lesson learned for School Science Practices. *Asian Social Science*, 10(13).
- Oguz-unver, A. & Arabacioglu, S. 2011. "Overviews on Inquiry Based and Problem Based Learning Methods". *Western Anatolia Journal of Education Science*.
- Ozus, E., Celikoz, M., Tufan, M., & Erden, F. 2015. Interpersonal *Problem solving* Abilities of Students of Professional Education Faculty Dressing Programme of Selcuk University. *Procedia-Social and Behavioral Sciences* 182.
- Patrick, A. 2010. *Effect of Field Studies on Learning Outcome in Biology*. Hum Ecl, 31(3).

Husnul Sakinah Asra, 2018

**PENERAPAN METODE FIELD TRIP BERBASIS INKUIRI UNTUK  
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SOLVING SISWA PADA MATERI PLANTAE**

Universitas Pendidikan Indonesia | repository.upi.edu |  
perpustakaan.upi.edu

- Patrick, P & Tunnicliffe, S. 2011. *What Plants and Animals Do Early Childhood and Primary Students' Name? Where Do They See Them?*. J Sci Educ Technol. DOI 10.1007/s10956-011-9290-7.
- Paul, R. 1992. *Critical Thinking: What, Why, and How*. New Directions for Community Colleges, No. 77.
- Priono, A. 2015. *Penerapan Model Pembelajaran Inkuiri Terbimbing Untuk Meningkatkan Kemampuan Berpikir Kritis Siswa Kelas XI SMA Negeri 3 Lubuklinggau Tahun Pelajaran 2014/2015*. Skripsi. STKIP-PGRI Lubuklinggau, Lubuklinggau.
- Purwanto. M. N. 2012. *Prinsip-prinsip dan Teknik Evaluasi Pengajaran*. Bandung: PT. Remaja Rosdakarya.
- Quitadamo. 2007. *Learning to Improve: Using Writing to Increase Critical Thinking Performance in General Education Biology*. CBE-Life Sciences Education. Vol 6.
- Quitadamo. 2008. *Community-based Inquiry Improves Critical Thinking in General Education Biology*. CBE-Life Sciences Education. Vol 7.
- Reece, J. B. & Cain, M. L. 2014. *Biology ten edition*. San Francisco U.S: Pearson Benjamin Cummings.
- Roestiyah. 2008. *Strategi Belajar Mengajar*. Jakarta: Rineka Cipta.
- Rosy, B. 2010. *Meningkatkan Kemampuan Berpikir Kritis Melalui Penerapan Model Pembelajaran Inkuiri pada Mata Kuliah Perilaku Organisasi*. Surabaya: UNS.
- Rustaman, 2005. *Perkembangan Penelitian Pembelajaran Berbasis Inkuiri dalam Pendidikan Sains*. Bandung: FMIPA UPI.
- Rustaman, N. 2005. *Strategi Belajar Mengajar Biologi*. Malang: Universitas Negeri Malang.

**Husnul Sakinah Asra, 2018**

**PENERAPAN METODE FIELD TRIP BERBASIS INKUIRI UNTUK  
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SOLVING SISWA PADA MATERI PLANTAE**

Universitas Pendidikan Indonesia | repository.upi.edu |  
perpustakaan.upi.edu



- Saliman. 2010. *Pendekatan Inkuiri dalam Pembelajaran*.  
eprints.uny.ac.id/2565/13/PENDEKATAN\_INKUIRI.pdf.
- Sanjaya, W. 2008. *Strategi Pembelajaran Berorientasi Standar Proses Pendidikan*. Jakarta: Kencana Prenada Media Group.
- Schafersman, S. D. 1991. Introduction to Critical Thinking.  
<http://www.freeinquiry.com/critical-thinking.html>
- Scott, C. L. 2015. *The Futures of Learning 2: What kind of learning for the 21st century?*. Education Research and Foresight: United Nations Educational, Scientific and Cultural Organization.
- Sever, D. & Guven, M. 2014. Effect of Inquiry-based Learning Approach on Student Resistance in a Science and Technology Course. *Educational Sciences: Theory & Practice*, 14(4).
- Shamsudin, N., 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.
- Sriarunrasmee, J., Suwannathachote, P., & Dachakupt, P. 2015. Virtual Field Trips with Inquiry learning and Critical Thinking Process: A Learning Model to Enhance Students' Science Learning Outcomes. Elsevier: *Procedia- Social and Behavioral Sciences*.
- Stiggins, R. J. 1994. *Student-centered Classroom Assessment*. New York: Macmillan College Publishing Company.
- Sund, R.B, & Trowbridge, LW. 1973. *Teaching Science By Inquiry In The Secondary School, Second Edition*. Columbus: Charles E. Merrill Publishing Company.
- Suryosubroto. 2002. *Proses Belajar Mengajar di Sekolah*. Jakarta: PT Rineka Cipta.

**Husnul Sakinah Asra, 2018**

**PENERAPAN METODE FIELD TRIP BERBASIS INKUIRI UNTUK  
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Universitas Pendidikan Indonesia | [repository.upi.edu](http://repository.upi.edu) |  
[perpustakaan.upi.edu](http://perpustakaan.upi.edu)

- Tindangen, M. 2007. Implementasi Strategi Inkuiri Biologi SMP serta Pengaruhnya terhadap Kemampuan Berpikir Tingkat Tinggi. *Jurnal Pendidikan*, 8 (2), 1-9.
- Tjitrosoepomo, G. 1993. *Taksonomi Umum*. Yogyakarta: Gajah Mada University Press.
- Tjitrosoemo. 1987. *Botani Umum 2*. Bandung: Angkasa.
- Trianto. 2008. *Mendesain Model Pembelajaran Inovatif-Progresif*. Cetakan keempat. Jakarta: Kencana Prenada.
- Trilling, B & Fadel, C. 2009. *21st Century Skills*. San Francisco: Jossey-Bass.
- Varela, M., Lutnesky, M., & Osgood, M. 2005. Assessment of Student Skills for Critiquing Published Primary Scientific Literature-Using a Primary Trait Analysis Scale. *Journal of Microbiology Education*. Vol. 6.
- Wena, M. 2010. *Strategi Pembelajaran Inovatif Kontemporer*. Jakarta: Bumi Aksara.
- White, T. K. & Whitaker P. 2009. The Use of Interrupted Case Studies to Enhance Critical Thinking Skills in Biology. *Journal of Microbiology & Biology Education*. Vol. 10.
- Winarni. 2009. Pengembangan Model Pembelajaran Inkuiri Terbimbing dan Masyarakat Belajar untuk Meningkatkan Pemahaman Konsep dan Life-Skills Siswa Sekolah Dasar. *Jurnal Pendidikan Dasar*, Vol.10 (1): 1-7.
- Wood, D., Hrymak, A., Marshall, R. & Bouchard, C. 1997. Developing Problem Solving Skills: The McMaster Problem Solving Program. *Journal Of Engineering Education*, 86 (2).

**Husnul Sakinah Asra, 2018**

**PENERAPAN METODE FIELD TRIP BERBASIS INKUIRI UNTUK  
MENINGKATKAN KETERAMPILAN BERPIKIR KRITIS DAN PROBLEM  
SOLVING SISWA PADA MATERI PLANTAE**

Universitas Pendidikan Indonesia | repository.upi.edu |  
perpustakaan.upi.edu

Zamroni & Mahfudz. 2009. *Panduan teknis pembelajaran yang mengembangkan critical thinking*. Jakarta: Depdiknas.

Zubaidah, S. 2016. *Keterampilan abad ke-21: Keterampilan yang diajarkan melalui pembelajaran*. Malang: UNM.

