

## DAFTAR PUSTAKA

- Acar. (2012). Argumentation and formal reasoning skills in an argumentation-based guided inquiry course. *Procedia - Social and Behavioral Sciences* 46 (4756-4760).
- Ajija. (2016). Penerapan model multimedia Interaktif (MMI) pada pembelajaran Fisika materi Fluida untuk peserta didik kelas XI MIA 3 SMA Negeri 22 Makasar. *Jurnal Pendidikan Fisika Universitas Muhammadiyah Makasar*. Vol 4. No. 2.
- Arikunto, S. (2009). *Dasar-dasar Evaluasi Penelitian*. Jakarta: Bumi Aksara
- Bradley J. (2013). *The Emergence of Scientific Reasoning*. *the Creative Commons Attribution License* (<http://creativecommons.org/licenses/by/3.0>).
- Chen., dkk. (2013). The Effectiveness Of Scientific Inquiry With/Without Integration Of Scientific Reasoning. *International Journal of Science and Mathematics Education* (2015) 20: 1-20
- Demircioglu. (2015). Investigating the Effect of Argument-Driven Inquiry in Laboratory Instruction. *Educational Sciences: Theory & Practice*. 15(1). 267-283
- Duschl. (2007). *Taking Science to School: Learning and Teaching Science in Grades K-8*. Washington DC: The National Academies Press.
- Fraenkle dkk, (2012). *How to Design and Evaluate Research in Education- eighth edition*.
- Furtak, dkk. (2010). A Framework for Analyzing Evidence Based Reasoning in Science Classroom Discourse. *Educational Assessment*, 15:175–196.
- Furtak, dkk. (2010). The Evidence-Based Reasoning Framework: Assessing Scientific Reasoning. *Educational Assessment*, 15:123–141.
- Ginancar, dkk. (2015). Penerapan Model Argument-Driven Inquiry Dalam Pembelajaran Ipa Untuk Meningkatkan Kemampuan Argumentasi Ilmiah Siswa SMP. *Jurnal Pengajaran MIPA*, Volume 20, Nomor 1, hlm. 32-37.
- Hake, RR. (1999). Analyzing Change/Gain Scores. *AREA-D-American Educational Research Association's Division, Measurement and Research Methodology*.

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- Hakkikadayifci. (2016). Implementation of Argument-Driven Inquiry as An Instructional Model in A General Chemistry Laboratory Course. *Science Education International*. Vol. 27, Issue 3, 369-390.
- Hasnunidah., dkk. (2015). Argument-driven inquiry with scaffolding as development strategies of argumentation and critical thinking skill of student in Lampung, Indonesia. *American journal of education research*. 3(9), 1185-1192.
- Hidayat. (2018). Improving students' creative mathematical reasoning ability students through adversity quotient and argument driven inquiry learning. *Journal of Physics: IOP - Conference Series*.
- Hilton. (2008). Division of Behavioral and Social Sciences and Education. *Center for Education. Washington DC: The National Academies*.
- Jaleel. (2017). A study relationship between scientific reasoning and achievement in chemistry of secondary school students. *Journal of Research in Humanities and Social Science*. Volume 5(2). PP: 04-08.
- Koray. (2013). The effectiveness of problem-based learning supports with computer simulations on reasoning ability. *Procedia-Social and Behavioral Sciences* 106. 2746 – 2755.
- Kurnaz. (2014). Effectiveness of multirepresentations for learning energy concept: casse of turkey. *Procedia-social and behavioural science*. 116. Halm 627-632
- Kusumawati. (2015). Implementation Multi Representation and Oral Communication Skills in Department of Physics Education on Elementary Physics II. *Journal of Materials Science and Engineering A5* (1-2) 60-64.
- Markawi, Napis. (2011). Pengaruh Keterampilan Proses Sains, Penalaran, Dan Pemecahan Masalah Terhadap Hasil Belajar Fisika. *Jurnal Formatif* 3(1) : 11-25.
- McNeill dan Krajcik. (2008). Inquiry and scientific explanations: Helping students use evidence and reasoning. In *J. R. Luft, L. Bell & J. Gess-Newsome (Eds.), Science as Inquiry in the Secondary Setting (pp. 121–133)*. Arlington, VA: NSTA Press.
- Mikro, dkk. (2012). Influence of learning Physics by reading and learning Physics by doing on the Shift in Level of Scientific Reasoning. *Journal of Turkish Science Education. Volume 9, Issue 1*.

- Mullis, dkk. (2015). TIMSS 2015 Assessment Frameworks. TIMSS & PIRLS International Study Center, Boston College
- Natalia. (2017). Pengembangan Instrumen Tes Diagnosis Konsep IPA Fisika. *Momentum: physics educational journal*. Vol 1, No. 2. 103-110.
- OECD/UNESCO-UIS. (2003). *Literacy Skills for the World of Tomorrow: Further results from PISA 2000*. [Online]. Tersedia: <http://www.oecd.org/publications>. (11 Januari 2018)
- Permendikbud, (2016). Lampiran Peraturan Menteri Pendidikan dan Kebudayaan Republik Indonesia Nomor 22 Tahun 2016 Tentang Standar Proses Pendidikan Dasar dan Menengah. Jakarta: Kemendikbud
- Rauf., dkk. (2013). Inculcation of Science Process Skills in a Science Classroom. *Asian Social Science; Vol. 9, No. 8*;
- Rosengrant., dkk. (2007). An Overview of Recent Research on Multiple Representations. *Physics Education Research Conference, AIP Conference Proceedings*, 149-152.
- Sampson., dkk. (2012). Argument-Driven Inquiry as a Way to Help Students Learn How to Participate in Scientific Argumentation and Craft written Arguments: An Exploratory Study. *Science Education, Vol. 95 No. 2, hlm. 217-257*.
- Sudjana. (2005). *Metoda Statistika*. Bandung. Tarsito
- Sutopo dan Waldrip. (2013). Impact Of A Representational Approach on Students' Reasoning and Conceptual Understanding in Learning Mechanics. *International Journal of Science and Mathematics Education. 12: 741-765*
- Taher. (2017). Profile of Students' Mental Model Change on Law Concepts Archimedes as Impact of Multi-Representation Approach. *IOP Conf. Series: Journal of Physics: Conf. Series*. 895-012101.
- Tamilah. (2017). Implementation of Argument-Driven Inquiry on Salt Solutions learning to Enhance Students' Concept Mastery. *proceedings - International Conference on Education and Science (ICONS 2017)*
- Wenning, CJ. (2010). Levels of inquiry: Using inquiry spectrum learning sequences to teach science. *Journal Physics Teacher Education. 5 (3)*.

Widianingtiyas. (2015). Pengaruh Pendekatan Multi Representasi dalam Pembelajaran Fisika Terhadap Kemampuan Kognitif Siswa SMA. *Jurnal Penelitian dan Pengembangan Pendidikan Fisika. Volume 1, No.1.*

Wulandari. (2018). Problem-based learning: effects on student's scientific reasoning skills in science. *IOP Conf. Series: Journal of Physics: Conf. Series* 1006 - 012029

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