

DAFTAR PUSTAKA

- Adam, W.K., Perkins, K.K, Podolefsky, N., Dubson, M., Finkelstein, N. D., & Wieman, C. E. (2006). *A New Instrument for Measuring Student Beliefs About Physics and Learning Physics: the Colorado Learning Attitudes about Science Survey*. Physics education Research. University of Colorado. USA.
- AFSC. (t.t). *Belajar di AFSC Lebih Asyik, Nilaiiku Pun Melejit*. [Online]. Diakses dari <http://bimbel-afsc.blogspot.com/p/sains-asyik.html>
- Ageceh, Blogger. (2016). *Pengertian Lensa Cekung, Sifat Bayangan Lensa Cekung serta Sinar Istimewa dan Pembentukan Bayangan pada Lensa Cekung*. [Online]. Diakses dari <http://bloggerageceh.blogspot.co.id/2016/06/pengertian-lensa-cekung-sifat-bayangan.html>.
- Akinbobola. (2015a). "Enhancing Nigerian Physics Students' Attitude Through the Use of Pictorial, Written and Verbal Advance Organizers". *Advances in Physics Theories and Applications*. ISSN 2224-719X Vol. 40, 35-42.
- Akinbobola. (2015b). "Enhancing Students' Attitude Towards Nigerian Senior Secondary School Physics Through the Use of Cooperative, Competitive and Individualistic Learning Strategies". *Australian Journal of Teacher Education*. Vol: 34 Issue1.
- Alexander, P.A. (2006). *Psychology in Learning and Instruction*. Upper Saddle River, NJ: Pearson Merrill Prentice Hall.
- Anderson, W. L. & Krathwohl, R. D. (2001). *A Taxonomi for Learning, Teaching and Aessing. A Revision of Bloom 's Taxonomy of Educational Objectives*. USA: Addison Wesley Longman.
- Anwardah, T. (2016). *Percobaan Sains: Refraksi (Pembiasan) Cahaya*. [Online]. Diakses dari <http://www.thoharianwarphd.com/2016/09/percobaan-sains-refraksi-pembiasan.html>
- Arikunto, S. (2013). *Dasar-dasar Evaluasi Pendidikan*. Jakarta: Bumi Aksara.
- Arnold, J. C., Kremer, K., & Mayer, J. (2014). Understanding Students' Experiments-What kind of support do they need in inquiry tasks?. *International Journal of Science Education*. Advance online publication doi: 10.1080/09500693.2014.930209.
- Ashkenazi, G & Weaver, G. C. (2007). "Using Lecture Cemonstrations to Promote the refinement of Concepts: The Case of Teaching Solvent Mscibility". [online]. *Chemistry Education Research and Praactice*. 8 (2), 186-196.
- Asri, Y. N. (2016). *Penerapan Model ICARE yang Dipadukan dengan Science Magic untuk Meningkatkan kemampuan Kognitif dan Profil Sikap Siswa*

Suci Rahmi Ananda, 2018

PENERAPAN MODEL PEMBELAJARAN INTERACTIVE LECTURE DEMONSTRATIONS BERBANTUAN SCIENCE MAGIC UNTUK MENINGKATKAN PEMAHAMAN MATERI PEMBIASAN CAHAYA DAN ATTITUDE TOWARDS SCIENCE SISWA MTs

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

- SMA. (Tesis Sekolah Pascasarjana). Universitas Pendidikan Indonesia. Bandung.
- Aziz, N & Lin, H.L. (2011). Hubungan sikap terhadap Mata Pelajaran Sains dengan Penguasaan Konsep Asas Sains Pelajar Tingkat Dua. *Journal of Science & Mathematics Educational*. Universitas Teknologi Malaysia.
- Azwar, S. (2012). *Sikap Manusia: Teori dan Pengukurannya*. Pustaka Pelajar. Yogyakarta.
- Danis. (2016). *Pengertian Lensa Cembung, Sifat Bayangan pada Lensa Cembung serta Sinar Istimewa dan Pembentukan Bayangan pada Lensa Cembung*. [Online]. Diakses dari <http://chordgitar251.blogspot.com/2016/06/pengertian-lensa-cembung-sifat-bayangan.html>.
- Brickman, P. G., C. Armstrong, N. and Hallar, B. (2009). *Effects of Inquiry-Based Learning On Students' Science Literacy Skills and Confidence*, *International Journal for the Scholarship of Teaching and Learning*. 3(2), 1-22
- Brossard, D. (2005). "Scientific Knowledge and Attitude Change: The Impact of a Citizen Science Project". *International Journal of Science Education*, 27 (9), 1099-1121.
- Bybee, R. W. (2009). The BSCS 5E instructional model and 21st century skills. Washington, DC: National Academics Board on Science Education.
- Cakiki, Y & Turkmen, 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. Vol 3. Issue 2.
- Carin, A. and R.B. Sund. (1997). *Teaching science through discovery*. Ohio: Merrill Publishing Co.
- Checkly, D. (2010). *High School Students' Perceptions of Physics*. (Tesis). Master Education University of Lethbridge, Alberta.
- Chiaverina, C. & Vollmer, M. (2005). "Learning Physics from the Experiments: Workshop Report in Informal learning and Public Understanding of Physics". 3rd International Girep Seminar 2005, edited by G. Planis ic and A. Mohoric. Pp. 185-190.
- Cracker, D. E. (2006). Attitude towards Science of Students Enrolled in Introductory Level Science Courses at UW-La Crosse. *UW-L Journal of Undergraduate Research IX*.
- Dahar, R. W. (1996). *Teori-Teori Belajar*. Jakarta: Erlangga.
- Darajat, Z. (1985). *Didaktik Pengajaran Agama*. Jakarta: Departemen Pendidikan Agama.

Suci Rahmi Ananda, 2018

PENERAPAN MODEL PEMBELAJARAN INTERACTIVE LECTURE DEMONSTRATIONS BERBANTUAN SCIENCE MAGIC UNTUK MENINGKATKAN PEMAHAMAN MATERI PEMBIASAN CAHAYA DAN ATTITUDE TOWARDS SCIENCE SISWA MTs

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

- Departemen pendidikan dan kebudayaan Nasional. (2004). *Kurikulum Mata Pelajaran Siswa SMP dan MTs*. Jakarta: Depdiknas.
- Depertemen Pendidikan Nasional. (2002). *Pelatihan Terintegrasi Berbasis Kompetensi Guru Mata Pelajaran Biologi*. Jakarta: Depdiknas.
- Deslauriers, L., Schelew, E., & Wieman, C. (2011). "Improved learning in a Large-Enrollment Physics Class". (Online). *American Association for the Advancement of Science* 332, 862-864.
- Fakhrudin, E. & Syahril. (2010). "Sikap Ilmiah Siswa Dalam Pembelajaran Fisika dengan Penggunaan Media Komputer melalui Model Kooperatif tipe STAD pada Siswa Kelas X3 SMA N 1 Bangkinang Barat". *Jurnal Geliga Sains* 4(1):18-22.
- Fishbein, M., dan Ajzen, I. (1980). *Understanding Attittudes and Predicting Social Behaviour*. Englewood Cliffs. New Jersey: Prentice Hall.
- Fisoontal. (t.t). *Media Belajar Fisika Online Kontekstual*, [Online]. Diakses dari <https://fisikakontekstual.wordpress.com/optik/>
- Fraenkel, Jack R dan Wallen, Norman E. (2007). *How To Design and Evaluate Reseach in Education*. Edisi 6. New York: The Mc Graw Hill Companies.
- Gardner, P. (1975). "Attitudes to Science: A Review". *Studies In Science Education*. (2). 1-41.
- Gauld, C. (1982). "The Scientific Attitude and Science Education: A Critical Reappraisal". *Science Education*, 66 (1), 109-121.
- Gautreau R. & Novemsky, L. (1997). Concept First-A Small Group Approach to Physics learning. *Physics Education*.
- Georgiau, H. & Sharma, M. D. (2015). Does using active learning in thermodynamics lecture improve students conceptual understandinh and learning experience?. *European Journal of Physics*. *Eur. J. Phys.* 36, 015020 (13pp). 1-10.
- Giancoli, D., C. (1999). *Fisika Edisi Kelima Jilid 2*. Erlangga. Jakarta.
- Gokhale, A., Brauchle, P., & Machina, K. (2009). *Development and Validation of A Scale to Measure Attitudes Toward Science and technology*. *Journal of College Science Teaching*.
- Hake, R.R. (1999). *Analyzing Change/Gain Scores*. [Online]. Diakses dari <http://lists.asu.edu/cgi-bin/wa?A2=ind9903&L=area-d&P=R6855>
- Hsu, L. R, Wang, C.M. & Hsu W. L. (2012). The Development and Dissemination of Science Magic. *Science Education Monthly*. 346 (March). 2-11.

Suci Rahmi Ananda, 2018

PENERAPAN MODEL PEMBELAJARAN INTERACTIVE LECTURE DEMONSTRATIONS BERBANTUAN SCIENCE MAGIC UNTUK MENINGKATKAN PEMAHAMAN MATERI PEMBIASAN CAHAYA DAN ATTITUDE TOWARDS SCIENCE SISWA MTs

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

- Ibrahim, M & Sujana, M. (2001). *Pembelajaran Berbasis Masalah*. Surabaya: University Press.
- Ihsan. (2001). *Pengaruh Pembelajaran Interaktif Berbasis Konsep di SMA*. Skripsi. Bandung: UPI. Tidak diterbitkan.
- Kementrian Pendidikan dan Kebudayaan. (2013). *Materi Pelatihan Guru Implementasi Kurikulum 2013 SMP/MTs-IPA*. Jakarta: BPSDM Kemdikbud.
- Kemendikbud. (2017). *Model Silabus Mata Pelajaran Sekolah Menengah Pertama/Madrasah Tsanawiyah (SMP/MTs)*. Jakarta: Kemendikbud.
- Kemendikbud. (2017). *Ilmu Pengetahuan Alam untuk SMP/MTs kelas VIII (BSE)*. Jakarta: Kemendikbud.
- Kerby, H. W., Cantor, J., Weiland, M., Babiarz, C., & Kerby, A. W. (2010). Fusion Science Theater Presents *The Amazing Chemical Circus: A New Model of Outreach That Uses Theater to Engage Children in learning*. *J. Chem. Educ.*, 87 (10), 1024-1030.
- Kind, P., Jones, K., & Barmby, P. (2007). Developing Attitude Towards Science Measure. *International Journal of Science Education*. Vol. 29 (7). 871-839.
- Kurniawan, Y. (2014). *Pengaruh Penerapan Interactive Lecture Demonstration (ILD) Berorientasi Conceptual Change Terhadap Peningkatan Pemahaman Konsep dan Penurunan Kuantitas Siswa yang Miskonsepsi pada Materi Hukum Newton*. (Tesis Sekolah Pascasarjana). Universitas Pendidikan Indonesia. Bandung.
- Lamont, P. (2015). *Problems with The Mapping of Magic Tricks Front*. *Psychol*.6:855.doi:10.3389/fpsyg.2015.00855.
- Lin, J. L., Cheng, M. F., Chang, Y.C., Li, H. W., Chang, J. Y, & Lin, D. M. (2014). "Learning Activities That Combine Science Magic Activities with the 5E Instructional Model to Influence Secondary-School Students' Attitudes to Science". *Eurasia Journal of Mathematics, Science & Technology Education*, 10 (5), 415-426.
- Mar'at. (1981). *Sikap Manusia, Perubahan Serta Pengukurannya*. Jakarta: Galia.
- Marusic, M & Slisko, J. (2012). Effect of Two Different Types of Physics Learning on The Results of CLASS test *Physical Review ST Physical Education Research*, 8, 010107.
- Mazzaloni, A.P., Edward, T., O'Donoghue, Peter, Nopparatjamjomras. (2010). *Using Interactive Lecture Demonstration Student Learning in Electronics*. (Online). Proceeding AAEC Conference. 2010. 417-422.

Suci Rahmi Ananda, 2018

PENERAPAN MODEL PEMBELAJARAN INTERACTIVE LECTURE DEMONSTRATIONS BERBANTUAN SCIENCE MAGIC UNTUK MENINGKATKAN PEMAHAMAN MATERI PEMBIASAN CAHAYA DAN ATTITUDE TOWARDS SCIENCE SISWA MTs

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

- Mazzolini, A.P., Daniel, S., & Edward, T. (2012). "Using Interactive Lecture Demonstration to Improve Conceptual Understanding of Resonance in Electronics Course". *Australian Journal of Engineering Education*. 2012, 18 (1), 69-88.
- McBride, J., Bhatti, M., Hannan, M. A., & Feinberg M. (2004). "Using an inquiry approach to teach science to secondary school science teachers". *Physics Education*, 39(5), 1-6.
- Merrits, D., Walter, R., & Mackay, B. (2012). Interactive Lecture Demonstrations [Online]. Diakses 21 Juni 2018.
- Michaels, S., Shouse, A. W., & Schweingruber, H. A. (2008). *Ready, Set, SCIENCE!; Putting Research to Work in K-8 Science Classrooms*. Washington, D.C.: National Academies Press. Ministry of Education of Taiwan (MET) (2003). Grade 1-9 Curriculum Guidelines-Science and Technology. Taipei, Taiwan.
- Miller, K., Lasry, N., Chu, K. & Mazur, E. (2013). "Role of Physics Lecture Demonstration In Conceptual Learning". *American Physical Society* 9 (2).
- Mono. (2015). *Pembiasan cahaya dan contoh pembiasan cahaya dalam kehidupan sehari-hari*. [Online]. Diakses dari <http://www.pakmono.com/2015/06/pembiasan-cahaya-dan-contoh-pembiasan-cahaya-dalam-kehidupan-sehari-hari.html>.
- Morell, D. P. & Lederman, N.L. (1998). "Students' Attitudes Towards School and Classroom Science: Are They Independent Phenomena?". *Journal of School Science and Mathematics*. (Online). [Diakses 21 November 2017].
- Mulyasa. (2002). *Kurikulum Berbasis Kompetensi*. Jakarta: Remaja Rosdakarya. 242.
- Nasution. (2005). *Berbagai Pendekatan dalam Proses Belajar dan Mengajar*. Jakarta: Bumi Aksara.
- Nawawi, N.P. (2015). *Pembiasan Cahaya pada Bidang Datar, Kaca Plan Paralel, Prisma, dan Lensa*. [Online]. Diakses dari nurovipauziahnawawi12ipa1.blogspot.co.id/2015/12/materi-optik-pembiasan-cahaya-pada.html.
- Olasehinde, K.J dan Olatoye, R. A. (2014). Scientific Attitude, Attitude to Science and Science Achivement of Senior Secondary School Students in Katsina State, Nigeria. *Journal of Educational and Social Research MC SER Publishing*, Vol, 4 No. 1,445-452

Suci Rahmi Ananda, 2018

PENERAPAN MODEL PEMBELAJARAN INTERACTIVE LECTURE DEMONSTRATIONS BERBANTUAN SCIENCE MAGIC UNTUK MENINGKATKAN PEMAHAMAN MATERI PEMBIASAN CAHAYA DAN ATTITUDE TOWARDS SCIENCE SISWA MTs

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

- Panggabean, L. P. (2001). *Statistika Dasar*. Bandung: Jurusan Pendidikan Fisika. FPMIPA UPI.
- Putra, S.R. (2013). *Tips-Tips Jitu Mencetak Siswa Juara Olimpiade Sejak Dini*. Jogjakarta: DIVA Press (Anggota IKAPI).
- Ramdani, N. (2008). *Sikap dan Beberapa Pendekatannya*. [Online]. Diakses dari <http://neila.staff.ugm.ac.id/wordpress/wpcontent/uploads/2008/06/babIattitud.pdf>.
- Reid, N. (2006). Thoughts on Attitude Measurement. *Research in Science & Technological Education*, 24(1), 3-27.
- Rensink, R.A. & Kuhn, G. (2015). “A Frame Work for Using Magic to Study the Mind”. *Front. Psychol.* 5: 1508.doi:10.3389/fpsyg.2014.01508.
- Riduwan. (2008). *Skala Pengukuran Variabel-Variabel Penelitian*. Bandung. Alfabeta
- Riyanto, Y. (2012). *Paradigma Baru Pembelajaran: Sebagai Referensi Bagi Guru/ Pendidik dalam Implementasi Pembelajaran yang Efektif dan Berkualitas*. Jakarta. Kencana.
- Ruseffendi. (1994). *Dasar-Dasar Penelitian dalam Bidang Non-Eksakta*. Bandung: PT. Tarsito.
- Sanjaya, W. 2006. *Penelitian Pendidikan : Jenis, metode dan prosedur*. Jakarta: Kencana Prenada Media Group.
- Santrock, J. W. (2011). *Psikologi Pendidikan*. Jakarta: Salemba Humanika.
- Sharma, M. D. (2010). Use Interactive lecture demonstrations: A ten year study. *Physical Review Special Topics-Physics Education Research* (6). 1-10
- Sitotaw, B & Tadele, K. (2016). “Student Attitude toward Physics in Primary and Secondary Schools of Dire Dawa City Administration, Ethiopia”. *World Journal of Educational Research and Review*, Vol. 3(1), pp 044-050.
- Slekiene, V. & Ragulienė, L. (2010). “The Learning Physics Impact of Interactive Lecture Demonstrations”. *Problems of Education in the 21st Century Volume 24*, 120-129.
- Sokoloff, D. R. (2004). *Active Learning of Introductory Optics: Interactive Lecture Demonstration and Opticss Magic Tricks*. Department of Physics, 1274. University of Oregon, Eugene.
- Sokoloff, D.R., dan Thornton. (1997). *Using Interactive Lecture Demonstrations to Create an Active Learning Environment*. University of Oregon, Eugene, USA. *Phys. Teach.* 35, 340-347.

Suci Rahmi Ananda, 2018

PENERAPAN MODEL PEMBELAJARAN INTERACTIVE LECTURE DEMONSTRATIONS BERBANTUAN SCIENCE MAGIC UNTUK MENINGKATKAN PEMAHAMAN MATERI PEMBIASAN CAHAYA DAN ATTITUDE TOWARDS SCIENCE SISWA MTs

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

- Stiggins, R.J. (1994). *Student-Centered Classroom Assessment*. New York: Macmillan College Publishing Company.
- Sudjana, N. (1990). *Penilaian Hasil Proses Belajar Mengajar*. Bandung: PT. Remaja Rosdakarya.
- Sugiyono. (2010). *Statistika untuk Penelitian*. Bandung: Alfabeta.
- Sujarittham, T. (2016). Applying electromagnetism for enching Thai high-School Students' understanging in force and motion. *Researchgate Publication*, 1-4.
- Suparno, p. (2007). *Metodologi Pembelajaran Fisika*. Yogyakarta: Universitas Sanata Dharma.
- Suryabrata, S. (1990). *Psikologi Pendidikan*. Jakarta: PT. Rajawali.
- Suryadi, Y. (2016). *Penerapan Pembelajaran Active Learning dengan Demonstrasi Interaktif untuk Meningkatkan Penguasaan Konsep dan Keterampilan Berkomunikasi Siswa pada Pokok Bahasan Gerak*. (Tesis). Sekolah Pascasarjana. Universitas Pendidikan Indonesia. Bandung.
- Svedruzic, A. (2008). *Teaching Methodology of Physics*. [Online]. *Metodika* 17: 442-450. Tersedia di <http://hrcak.srce.hr/file/55094>. Diakses pada 21 Juni 2018.
- Tanahoung, C., Chitaree, R., Soankwan, C., Sharma, M. D., & Johnston, I.D. (2009). "The Effect of Interactive Lecture Demonstrations on Students' Understanding of Heat and Temperature: a study from Thailand". *Research in Science & Technological Education*. Vol. 27, No. 1, 61-74.
- Taufiq, M. (2017). *Penerapan Pembelajaran Interactive Lecture Demonstration (ILD) Berbantuan Science Magic Untuk Meningkatkan Pemahaman Materi Tekanan dan Attitude Towards Physics Siswa MTs*. (Tesis). Sekolah Pascasarjana. Universitas Pendidikan Indonesia. Bandung.
- Uno, H.B. (2008). *Teori Motivasi dan Pengukurannya: Analisis di Bidang Pendidikan*. Bumi Aksara: Jakarta.
- Wattanakasiwich, P., Khamcharean, C., Taleab, P., & Sharma, M. (2012). "Interactive Lecture Demonstration in Thermodynamics". *Lat. Am. J. Phys. Educ.* Vol. 6, No. 4. Dec. 2012. <http://www.lajpe.org>.
- WikiHow. (t.t). *Cara Membuat Pelangi*. [Online]. Diakses dari <https://id.wikihow.com/Membuat-Pelangi>
- Yakar, Z., & Baykara, H. (2014). "Inquiry-Based Laboratory Practices in a Science Teacher Training Program". *Eurasia Journal of Mathematics, Science & Technology Education*, 10(2), 173-183.

Suci Rahmi Ananda, 2018

PENERAPAN MODEL PEMBELAJARAN INTERACTIVE LECTURE DEMONSTRATIONS BERBANTUAN SCIENCE MAGIC UNTUK MENINGKATKAN PEMAHAMAN MATERI PEMBIASAN CAHAYA DAN ATTITUDE TOWARDS SCIENCE SISWA MTs

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

- Yani, A. (2017). *Penerapan Model Interactive Lecture Demonstration (ILD) Berbantuan Science Magic (SM) Untuk Meningkatkan Pemahaman Materi Kalor dan Sikap terhadap Fisika Siswa SMA*. (Tesis). Sekolah Pascasarjana. Universitas Pendidikan Indonesia. Bandung.
- Yuan, J. & Min, D. (2014). "Learning Activities That Combine Science Magic Activities With the 5E Instruction Model to Influence Secondary-School Students' Attitude to Science". *Eurasia Journal of Mathematics, Science & Technology Education*. 10 (5).
- Zimrot, R., & Askenazi, G. (2007). "Interactive Lecture Demonstrations: A Tool for Exploring and Enhancing Conceptual Change". *Chemistry Education Research and Practice*. 2007, 8 (2), 197-211.