

REFERENCES

- Abdurrahman. (2015). *Guru Sains Sebagai Inovator: Merancang pembelajaran sains inovatif berbasis riset*. Yogyakarta: Media Akademi.
- Aldila, C. (2017). Pengembangan Lembar Kerja Peserta Didik (LKPD) Berbasis STEM untuk Menumbuhkan Keterampilan Berpikir Kreatif Siswa. *Jurnal FKIP Universitas Lampung*. 5 (4): 85-95.
- Ardila, C., Abdurrahman, F. S. Pengembangan LKPD Berbasis Stem Untuk Menumbuhkan Keterampilan Berpikir Kreatif Siswa. *Jurnal Pembelajaran Fisika Universitas Lampung*, 2017, pp. 85–95.
- Arikunto, S.(2016). *Prosedur Penelitian Suatu Pendekatan Praktik*. Jakarta: Rineka Cipta
- Asmuniv. (2015). Pendekatan Terpadu Pendidikan STEM Upaya Mempersiapkan Sumber Daya Manusia Indonesia Yang Memiliki Pengetahuan Interdisipliner dalam Menyosong Kebutuhan Bidang Karir Pekerjaan Masyarakat Ekonomi ASEAN (MEA). Retrieved from: <http://www.vedcmalang.com/pppptkboemlg/index.php/menuutama/listrikelectro/1507-asv9>
- Chien, L. K., Priscilla & Lajium, D. (2016). The effectiveness of science, technology, engineering and mathematics (STEM) learning approach among secondary school students.
- Lee, C. D. (2014). Worksheet Usage, Reading Achievement, Classes' Lack of Readiness, and Science Achievement: A Cross-Country Comparison. *National Taiwan Normal University*. 2. 2147-611X.
- Hasan, A. The Effect of Scientific Approach on Students' English Achievement for Junior High School Level in Riau Province, Indonesia. *American Journal of Educational Research*, vol. 6, no. 2, 2018, pp. 123–128., doi:10.12691/education-6-2-5.
- Khalil, N. M. and Kamisah, O. (2017). STEM-21CS Module: Fostering 21st Century Skills through Integrated STEM. *K - 12 STEM Education*. vol. 2, no. 3, 225-233
- Mayasari, H., Syamsurizal, and Maison. (2015). Pengembangan LKS Berbasis Karakter Melalui Pendekatan Saintifik pada Materi Fluida Statik untuk SMA. *Jurnal Edu-Sains*. Vol 4 (2): 30-36.

- Milaturrahmah, N, M. Mardiyana, I. Pramudya. Mathematics Learning Process with Science, Technology, Engineering, Mathematics (STEM) Approach in Indonesia. *Journal of Physics: Conference Series*, vol. 895, 2017, pp. 1–7., doi:10.1088/1742-6596/895/1/012030.
- Misseyanni, A., Chritina M., Pareskevi P., Miltiadis L., Maria T. G. Active Learning Stories in Higher Education: Lessons Learned and Good Practices in STEM Education. *Active Learning Strategies in Higher Education*, 2018, pp. 75–105., doi:10.1108/978-1-78714-487-320181004.
- Natsir, Y., Yunisrina Q. Y., Ulva F. N. The Rise and Fall of Curriculum 2013: Insights on the Attitude Assessment from Practicing Teachers. *SHS Web of Conferences*, vol. 42, 2018, p. 1–10., doi:10.1051/shsconf/20184200010.
- Nurina, M, and Tenzer, A. (2012). Pengembangan LKS dengan Model Siklus Belajar Berbasis Konstruktivitis pada Materi Sistem Sirkulasi Manusia untuk Kelas XI SMA, *Jurnal Penelitian FKIP Universitas Negeri Malang*: Malang. Vol 6 (1): 69-78.
- OECD. 2018. Pisa 2015 Result in Focus. Retrieved from: <http://www.oecd.org/pisa/pisa-2015-results-in-focus.pdf>
- Permendikbud nomor 65. 2013. Standar Proses Pendidikan Dasar dan Menengah. Jakarta: Menteri Pendidikan dan Kebudayaan Indonesia.
- Prastowo, A. (2012). *Panduan Kreatif Membuat Bahan Ajar Inovatif*. Yogyakarta: Diva Press.
- Pratama, R. A. (2018). Pengembangan Lembar Kerja Peserta Didik (LKPD) Berbasis Scaffolding pada Materi Kalor untuk Melatih Pemahaman Konsep Peserta Didik. *Universitas Islam Negeri Raden Intan*, Lampung. Retrieved from: <http://repository.radenintan.ac.id/5359/2/skripsi%20nw%20fuuulll.pdf>
- Quieng, M. C., Lim, P., Pearly & Maria, R. D. L. (2015). 21st Century-based Soft Skills: Spotlight on Non-cognitive Skills in a Cognitive-laden Dentistry Program. *European Journal of Contemporary Education*. 11. 72-81. 10.13187/ejced.2015.11.72.
- Rahmayani, Irwandi, and Rajibussalim. (2018). Developing Worksheets through ISLE-based STEM Approach and Implementing Them on Senior High School Students. *The 6th South East Asia Design Research International Conference*, Banda Aceh, doi:10.1088/1742-6596/1088/1/012091.

- Septiani, A. (2016). Penerapan Asesmen Kinerja dalam Pendekatan STEM (Sains, Teknologi, Engineering, Matematika) untuk Mengungkap Keterampilan Proses Sains. Seminar Nasional Pendidikan dan Sainstek Isu-isu Kontemporer Sains, Lingkungan, dan Inovasi Pembelajarannya. *Universitas Pendidikan Indonesia*, Bandung, 654-659. Retrieved from: <https://publikasiilmiah.ums.ac.id/bitstream/handle/11617/7985/96.pdf?sequence=1>
- Sudijono, A. (2011). *Pengantar Statistik Pendidikan*, Jakarta: Rajawali Pres.
- Sugiyono. (2016), *Metode Penelitian Pendekatan (Pendekatan Kuantitatif Kualitatif, dan R&D)*, Bandung: Alfabeta.
- Sukasni, Agnes, and Efendy, H. The Problematic of Education System in Indonesia and Reform Agenda. *International Journal of Education*, vol. 9, no. 3, 2017, pp. 183–199., doi:10.5296/ije.v9i3.11705.
- Trianto. (2010). *Mendesain Model Pembelajaran Inovatif-Progresif*. Surabaya: Kencana Prenada Media Group.
- UNDP. 2018. Human Development Indices and Indicators: 2018 Statistical Update. Retrieved from: hdr.undp.org/sites/all/themes/hdr_theme/country-notes/IDN.pdf
- Young, H. D. and Roger A. F. (2016). *University Physics with Modern Physics, 14th Edition*. San Francisco: Pearson Education, Inc.
- Zaim, M. Implementing Scientific Approach to Teach English at Senior High School in Indonesia. *Asian Social Science*, vol. 13, no. 2, 2017, pp. 33–40., doi:10.5539/ass.v13n2p3