

REFERENCE

- Afriana, J., Permanasari, A., & Fitriani, A. (2016). *Project Based Learning Integrated to Stem to Enhance Elementary School's Students Scientific Literacy*.
- Ahmad, N. (2015). *Buku Evaluasi Pembelajaran*. Yogyakarta: INTERPENA Yogyakarta.
- Aksa. (2017). Classification and Characteristics of Historical Learning Media. *Journal of Advances in Social Sciences, Education and Humanities Research (ASSEHR)*, Vol. 158: 37-43.
- Ananda, R. & Fadhli, M. (2018). *Statistik Pendidikan: Teori dan Praktik dalam Pendidikan*. Medan: CV Widya Puspita.
- Arifin, Z. (2012). *Evaluasi Pembelajaran*. Jakarta: Direktorat Jenderal Pendidikan Islam, Kementerian Agama RI.
- Asmuniv. (2015). *Pendekatan Terpadu Pendidikan STEM Upaya Mempersiapkan Sumber Daya Manusia Indonesia yang Memiliki Pengetahuan Interdisipliner dalam Menyongsong Kebutuhan Bidang Karir Pekerjaan Masyarakat Ekonomi Asean (MEA)*. Published on Friday, 15 Mei 2015.
- Chinetha, K., Joann, J.D. & Shalini, A. (2015). An Evolution of Android Operating System and Its Version. *International Journal of Engineering and Applied Sciences (IJEAS)*, 2(2): 30-33.
- Chodijah, S., A. Fauzi, dan R. Wulan. (2012). *Pengembangan perangkat dan bermakna*. Bandung: Mizan Learning Center
- Campbell., C., And Jobling, W. (2014). STEM Education: Authentic Projects with Embrace an Integrated Approach. *Australasian Journal of Technology Education*, 1: 29-38.

- DeCoito, I. (2016). STEM Education in Canada: A Knowledge Synthesis. *Canadian Journal of Science, Mathematics and Technology Education*.
<https://doi.org/10.1080/14926156.2016.1166297>.
- Ernst, J. V., Williams, T. O., Clark, A. C., Kelly, D. P., & Sutton, K. (2018). K-12 STEM Educator Autonomy: *An Investigation of School Influence and Classroom Control*. *Journal of STEM Education*, 18(5), 5–9.
- Fatikhakh, N., Muftukhin, A., Fatmaryanti, S.D. (2018). Pengembangan Handout Fisika Berbasis CORE (Connecting, Organizing, Reflecting and Extending) untuk Meningkatkan Higher Order Thinking Skills pada Peserta Didik SMA. *RADIASI: Jurnal Berkala Pendidikan Fisika*, 11(1): 25-34.
- Firman, H. (2015). *Pendidikan Sains Berbasis STEM: Konsep, Pengembangan, dan Peranan Riset Pascasarjana Dalam Seminar Nasional Pendidikan IPA dan PLKH*. Universitas Pakuan.
- Fitrianingsih, R. & Musdalifah. (2015). Efektivitas Penggunaan Media Video pada Pembelajaran Pembuatan *Strapless* Siswa Kelas XII SMK Negeri 1 Jambu. *Fashion and Fashion Educational Journal*, 4(1): 1-6.
- Gay, L.R., Mills, G.E. & Airasian, P. (2012). *Educational Research: Competencies for Analysis and Applications*. USA: Pearson Education, Inc.
- Gregory, R.D. (2006). *Classical Mechanics*. New York: Cambridge University Press
- Irwandani, & Rofiah, S. (2015). The Influence of Generative Learning Models on Understanding the Basic Physics Concepts of Sound for Students at MTs Al-Hikmah Bandar Lampung. *Al-Biruni Jurnal Ilmiah Pendidikan Fisika Al-Biruni*, 4(2), 165–177. <https://doi.org/10.24042/jpifalbiruni.v4i2.90>
- Iskandar, A., Rizal, M., Kurniasih, N., Sutiksno, D.U. & Purnomo, A. (2019). The Effect of Multimedia Learning on Students Achievement in Terms of Cognitive

Test Result. *Journal of Physics: International Conference on Research and Learning of Physics*. doi: 10.1088/1742-6596/1114/1/012019.

Irwansyah, I., Sukarmin, S., & Harjana, H. (2018). Development of Three-Tier Diagnostics Instruments on Students Misconception Test in Fluid Concept. *Jurnal Ilmiah Pendidikan Fisika Al-Biruni*, 7(2), 207. <https://doi.org/10.24042/jipfalbiruni.v7i2.2703>

Krajci, I. & Cummings, D. (2014). *Android on x86: An Introduction to Optimizing for Intel® Architecture*. USA: Apress.

Lazareska, L. & Jakimoski, K. (2017). Analysis of The Advantages and Disadvantages of Android and iOS Systems and Converting Application from Android to iOS Platform and Vice Versa. *American Journal of Software Engineering and Applications*, 6(5): 116-120.

Miarso, Yusufhadi. 2004. *Seeds of Educational Technology*. Jakarta: Prenada Media

Munawaroh, I. (2014). *Pengembangan Bahan Pembelajaran Cetak*. Yogyakarta: Universitas Negeri Yogyakarta.

Munir. (2012). *Multimedia Concepts & Applications in Education*. Bandung: Alfabeta

Mutakinati, L., Anwari, I., & Yoshisuke, K. (2018). Analysis Of Students' Critical Thinking Skill Of Middle School Through Stem Education Project-Based Learning. *Jurnal Pendidikan IPA Indonesia*, 7(1), 54–65. <https://doi.org/10.15294/jpii.v7i1.10495>.

Nasihah, M. (2019). *Pengembangan Modul Kimia Berbasis POE pada Materi Laju Reaksi di Kelas XI MAN 2 Pati*. Semarang:

Universitas Islam Negeri Walisongo.

- Nuryanto, A. (2014). *Media Pembelajaran*. Yogyakarta: Fakultas Teknik Universitas Negeri Yogyakarta.
- Oyebanji, A. & Olayemi, J. (2017). *Research in Education*. Ibadan: University of Ibadan.
- Paulina, Panen, dkk. 2001. *Konstruksivisme Dalam Pembelajaran*. Jakarta: PPAUT Dirjen Dikti Depdiknas.
- Perdana, R, Budiyo, Sajidan, & Sukarmin. (2019). *A conceptual of teaching models inquiry-based social constructivism (IbSC)*. IOP Conf. Ser.: Earth Environ. Sci. 243, 012110.
- Prastowo, A. (2013). *Panduan Kreatif Membuat Bahan Ajar Inovatif*. Yogyakarta: Diva Press.
- Ramdhani, M.R., Usodo, B. & Subanti, S. (2017). Discovery Learning with Scientific Approach on Geometry. *Journal of Physics: International Conference on Research and Learning of Physics*. doi: 10.1088/1742-6596/895/1/012033.
- Rao, O. R. S. (2013). Outcome Based Engineering Education-Need of The Hour. *The Journal of Engineering Education*.
- Reeve, E. M. (2015). *STEM Thinking! Technology and Engineering Teacher*, 75(4), 8-16.
- Riandry, M.A., Ismet, I., Akhsan, H. (2017). Developing statistical physics course handout on distribution function materials based on science, technology, engineering and mathematic. International Conference on Mathematics and Science Education (ICMSce) IOP Conf. Series: Journal of Physics: Conf. Series 895 012047. Haris, M., Jadoon, B., Yousaf, M. & Khan, F.H. (2017). Evolution of Android Operating System: A Review. *2nd International Conference on*

Advanced Research (ICAR) (h. 125-135). Melbourne: Asia Pacific Institute of Advanced Research (APIAR).

Ruhimat, Toto. dkk, (2011). *Kurikulum dan Pembelajaran*. Jakarta. PT Raja. Grafindo Persada

Rusman, et al., (2011). *Information and Communication Technology-Based Learning: Developing Teacher Professionalism*. Jakarta: PT Raja Grafindo Persada.

Sanchis-Segura, C., Aguirre, N., Cruz-Gómez, J., Solozano, N., & Forn, C. (2018). Do gender-related stereotypes affect spatial performance? Exploring when, how and to whom using a chronometric two-choice mental rotation task. *Frontiers in Psychology*, 9(JUL), 1–17. <https://doi.org/10.3389/fpsyg.2018.01261>

Scardamalia, M., and Bereiter, C.: *Knowledge building: Theory, pedagogy and technology in R.K, Sawyer (Ed.)*. The Cambridge handbook of the learning sciences. New York. Cambridge University Press. 2006

Silitonga, P. M. (2014). *STATISTIK: Teori dan Aplikasi dalam Penelitian*. Medan: FMIPA Unimed.

Sinambela, P.N.J.M. (2013). Kurikulum 2013 dan Implementasinya dalam Pembelajaran. *Jurnal Generasi Kampus*, 6(2): 17-29.

Stoet, G., & Geary, D. C. (2015). *Sex differences in academic achievement are not related to political, economic, or social equality*. *Intelligence*, 48, 137–151

Susanna, Rudi. 2007. *Learning Media*. Bandung: CV Wacana Prima.

Sulasteri, S., Rasyid, M.R. & Akhyar, M. (2018). The Effect of The Use of Learning Media Based on Presentation Media on Interest and Mathematical Learning Outcomes. *Jurnal Matematika dan Pembelajaran*, 6(2): 221-236.

- Sumantri, M.S. (2015). *Strategi Pembelajaran: Teori dan Praktek di Tingkat Pendidikan Dasar*. Jakarta: PT Rajagrafindo Persada.
- Tafaono, T. (2018). Peranan Media Pembelajaran dalam Meningkatkan Minat Belajar Mahasiswa. *Jurnal Komunikasi Pendidikan*, 2(2): 103-114.
- Ulfa, A.M., Sugiyarto, K.H. & Ikhsan, J. (2017). *The Effect of The Use of Android-Based Application in Learning Together to Improve Students' Academic Performance*. Proceeding of The International Conference on Education, Mathematics and Sciences 2016 (ICEMS2016) in Conjunction with 4th International Postgraduate Conference on Science and Mathematics 2016 (IPCSM2016). doi: 10.1063/1.4983910.
- Vulperhorst, J. P., Wessels, K. R., Bakker, A., & Akkerman, S. F. (2018). *How do STEM-Interested Students Pursue Multiple Interests in Their Higher Educational Choice?*. *International Journal of Science Education*, 40(8), 828–846. <https://doi.org/10.1080/09500693.2018.1452306>.
- Warsita, Bambang. (2008). *Teknologi Pembelajaran Landasan & Aplikasinya*. Jakarta: Rineka Cipta.