

DAFTAR PUSTAKA

- Alwathoni, M. (2017). Konsep TPACK-P pada Dunia Pendidikan. Retrieved July 21, 2019, from <https://www.kompasiana.com/mahboeb/59cb027a4fc4aa5df6576d52/konsep-tpack-p-pada-dunia-pendidikan>
- Ambarita, A. (2016). Implementasi Sistem E-learning Menggunakan Software Moodle Pada Politeknik Sains dan Teknologi Wiratama Maluku Utara. *Indonesian Journal on Information System, 1*(2).
- Amiroh. (2012). *Membangun E-learning dengan Learning Management System*. (Nauwaf, Ed.). Sidoarjo: Genta Group Production PT Berkah Mandiri Globalindo.
- Angeli, C., & Valanides, N. (2009). Epistemological and methodological issues for the conceptualization, development, and assessment of ICT-TPCK: Advances in technological pedagogical content knowledge (TPCK). *Computers and Education, 52*(1), 154–168. <https://doi.org/10.1016/j.compedu.2008.07.006>
- Anggrainy, C., Natalina, M., & Suryawati, E. (n.d.). Rancangan Buku Kerja Penguatan Pengetahuan Materi Bagi Guru IPA SMP. Retrieved from evien_riau@yahoo.co.id
- Arikunto, S. (2015). *Dasar-dasar Evaluasi Pendidikan*. (R. Damayanti, Ed.) (2nd ed.). Jakarta: Bumi Aksara.
- Ariyana, Y. (2018). TPACK FRAMEWORK. Retrieved March 12, 2019, from <https://p4tkipa.kemdikbud.go.id/blog/index.php/2018/06/28/tpack-framework/>
- Bimo, S. (2009). Tutorial dan Jasa Olah Data Statistik. Retrieved from <http://www.statistikolahdata.com/2009/10/statistik-deskriptif-explore.html>

- Brinkley-Etzkorn, K. E. (2018). Learning to teach online: Measuring the influence of faculty development training on teaching effectiveness through a TPACK lens. *Internet and Higher Education*, 38, 28–35.
<https://doi.org/10.1016/j.iheduc.2018.04.004>
- Darmawan, H. (2016). Pembelajaran Berbasis Konstruktivisme Menggunakan Media Animasi dengan Kerangka Kerja TPCK dan Gaya Belajar Terhadap Prestasi Belajar Siswa. *Formatif: Jurnal Ilmiah Pendidikan MIPA*, 6(1), 1–11. <https://doi.org/10.30998/formatif.v6i1.747>
- Gurupendidikan. (2019). Kingdom Monera : Ciri, Contoh, Gambar, Struktur, Klasifikasi. Retrieved June 25, 2019, from <https://www.gurupendidikan.co.id/kingdom-monera/>
- Hamdilah, A., Ikrima, R., & Niati, U. (2017). Penerapan E-Learning sebagai Alat Bantu Mengajar dalam Dunia Pendidikan. Retrieved June 25, 2019, from <https://www.kompasiana.com/ahamdillah/5a0be84dfcf68112b150c202/penerapan-e-learning-sebagai-alat-bantu-mengajar-dalam-dunia-pendidikan?page=all>
- Han, I., Eom, M., & Sug, W. S. (2013). Multimedia case-based learning to enhance pre-service teachers ' knowledge integration for teaching with technologies. *Teaching and Teacher Education*, 34, 122–129.
<https://doi.org/10.1016/j.tate.2013.03.006>
- Hanafy, M. S. (2014). Konsep belajar dan pembelajaran. *Ilmu Tarbiyah Dan Pendidikan*, 17(1), 66–79. Retrieved from http://103.55.216.55/index.php/lentera_pendidikan/article/view/516/491
- Husamah, Pantiwati, Y., Restian, A., & Sumarsono, P. (2018). *Belajar dan Pembelajaran*. Malang: Universitas Muhammadiyah Malang. Retrieved from <http://ummpress.umm.ac.id>
- Idayanti, S. (2015). Faktor-faktor yang Mempengaruhi Pembelajaran. Retrieved June 24, 2019, from <https://www.kompasiana.com/catatansovie/54f7b7c0a33311bd208b4878/fakt>

or-faktor-yang-mempengaruhi-pembelajaran

- Irnaningtyas. (2013). *Biologi untuk SMA/MA Kelas X*. Jakarta: Erlangga.
- Janssen, N., & Lazonder, A. W. (2016). *Handbook of Technological Pedagogical Content Knowledge (TPACK) for Educators. Handbook of Technological Pedagogical Content Knowledge (TPACK) for Educators: Second Edition* (2nd ed.). New York: Routledge. <https://doi.org/10.4324/9781315771328>
- Khan, F. M. A., & Masood, M. (2014). Potential of Interactive Multimedia Learning Courseware Using Three Different Strategies in the Learning of Biology for Matriculation Students in Malaysia. *Procedia - Social and Behavioral Sciences*, 116, 2521–2525.
<https://doi.org/10.1016/j.sbspro.2014.01.604>
- Kho, D. (2019). Pengertian Skala Likert (Likert Scale) dan Menggunakannya. Retrieved September 4, 2019, from <https://teknikelektronika.com/pengertian-skala-likert-likert-scale-menggunakan-skala-likert/>
- Kurt, S. (2018). Technological Pedagogical Content Knowledge (TPACK) Framework. Retrieved June 24, 2019, from <https://educationaltechnology.net/technological-pedagogical-content-knowledge-tpack-framework/>
- Listiawan, T. (2017). (TPACK). In *REPRESENTASI MENTAL DAN PROSES KOGNITIF YANG MENDASARI TECHNOLOGICAL PEDAGOGICAL AND CONTENT KNOWLEDGE (TPACK)*.
- Mokhammad. (2018). Fungsi Media Pembelajaran Menurut Para Ahli Pendidikan. Retrieved June 24, 2019, from <https://www.haruspintar.com/fungsi-media-pembelajaran/>
- Mouza, C., Karchmer-Klein, R., Nandakumar, R., Yilmaz Ozden, S., & Hu, L. (2014). Investigating the impact of an integrated approach to the development of preservice teachers' technological pedagogical content knowledge (TPACK). *Computers and Education*, 71, 206–221.

<https://doi.org/10.1016/j.compedu.2013.09.020>

- Murdiyani, I. (2012). Pembelajaran Biologi menggunakan Metode E-Learning Berbasis Multiple Intelligences pada Materi Sistem Gerak Manusia. *Innovative Journal of Curriculum and Educational Technology*, 1(1), 45–52. <https://doi.org/10.15294/ijcet.v1i1.130>
- Nugroho, A. M., Wardono, Waluyo, S. B., & Cahyono, A. N. (2019). Kemampuan Berpikir Kreatif ditinjau dari Adversity Quotient pada Pembelajaran TPACK, 2, 40–45. Retrieved from <https://journal.unnes.ac.id/sju/index.php/prisma/>
- Nurdiani, N. (2019). Kerangka Kerja Technological Pedagogical and Content Knowledge (TPACK) dan Implementasinya Pada Perkuliahan Embriologi.
- Nurdiani, N., Rustaman, N. Y., Setiawan, W., & Priyandoko, D. (2019). The IM and LMS moodle as the TPACK components in improving embryology concepts mastery of prospective biology teachers. In *The IM and LMS moodle as the TPACK components in improving embryology concepts mastery of prospective biology teachers* (Vol. 60012). AIP Conference Proceedings. <https://doi.org/10.1063/1.5115712>
- Nuriyanti, D. D., Utami, N. R., & Supriyanto. (2013). Pengembangan E-learning Berbasis Moodle Sebagai Media Pembelajaran Sistem Gerak Di SMA. *Journal of Biology Education*, 2(3). Retrieved from <http://journal.unnes.ac.id/sju/index.php/ujeb>
- Parnawi, A. (2019). *Psikologi Belajar*. Yogyakarta: Deepublish. Retrieved from www.deepublish.co.id
- Parwati, Ni Nyoman Suryawan, I. P. P., & Apsari, R. A. (2018). *Belajar dan Pembelajaran*. Depok: Rajagrafindo Persada.
- Raharjo, S. (2019a). Cara Melakukan Uji Homogenitas dengan SPSS beserta Contoh Lengkap. Retrieved September 13, 2019, from <https://www.spssindonesia.com/2014/02/uji-homogenitas-dengan-spss.html>

- Raharjo, S. (2019b). Cara Uji Normalitas Shapiro-Wilk dengan SPSS Lengkap. Retrieved September 13, 2019, from <https://www.spssindonesia.com/2015/05/cara-uji-normalitas-shapiro-wilk-dengan.html>
- Raharjo, S. (2019c). Cara Uji Paired Sample T-Test dan Interpretasi dengan SPSS. Retrieved September 4, 2019, from <https://www.spssindonesia.com/2016/08/cara-uji-paired-sample-t-test-dan.html>
- Raharjo, S. (2019d). Uji Paired Sample t Test dengan SPSS. Retrieved September 4, 2019, from <https://www.konsistensi.com/2014/03/uji-paired-sample-t-test-dengan-spss.html>
- Rusli, M., Hermawan, D., & Supuwingsih, N. N. (2017). *Multimedia Pembelajaran yang Inovatif*. (R. Utami, Ed.) (1st ed.). Yogyakarta: Andi.
- Rusman, Deni, K., & Riyana, C. (2011). *Pembelajaran Berbasis Teknologi Informasi dan Komunikasi*. Jakarta: Rajagrafindo Persada. Retrieved from www.grafindo.co.id
- Setiawan, P. (2019a). Pengertian E-Learning Karakteristik dan Manfaat E-Learning terlengkap. Retrieved April 22, 2019, from <https://www.gurupendidikan.co.id/pengertian-e-learning-karakteristik-dan-manfaat-e-learning-terlengkap/>
- Setiawan, P. (2019b). Pengertian E-Learning Karakteristik dan Manfaat E-Learning terlengkap. Retrieved June 24, 2019, from <https://www.gurupendidikan.co.id/pengertian-e-learning-karakteristik-dan-manfaat-e-learning-terlengkap/>
- Suardi, M. (2018). *Belajar dan Pembelajaran* (1st ed.). Yogyakarta: Deepublish. Retrieved from www.penerbitdeepublish.co.id
- Sudiana. (2019). Pengertian Multimedia – Definisi, Jenis, dan contohnya. Retrieved June 24, 2019, from

<https://www.baguz.net/multimedia/pengertian-multimedia-definisi-jenis-dan-contohnya/>

Sugiyono. (2018). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. Bandung: Alfabeta. Retrieved from www.cvalfabeta.com

Suhaerah, L. (2018). *Statistika Dasar*. Bandung: Fakultas Keguruan dan Ilmu Pendidikan Universitas Pasundan Bandung.

Sumiharsono, R., & Hasanah, H. (2018). *Media Pembelajaran*. (D. Ariyanto, Ed.). Jember: Pustaka Abadi. Retrieved from www.pustakaabadi.co.id

Sundayana, R. (2016). *Statistika Penelitian Pendidikan*. Bandung: Alfabeta. Retrieved from www.cvalfabeta.com

Susilana, R., & Riyana, C. (2009). *Media Pembelajaran*. Bandung: Cv Wacana Prima.

Sutrisno, J. (2016). Pembelajaran yang Efektif dan Kreatif. Retrieved June 24, 2019, from http://www.penerbitduta.com/read_article/2016/9/pembelajaran-yang-efektif-dan-kreatif#.XRBhVkenqMY

Wahyuningsih, D., & Makmur, R. (2017). *E-learning Teori dan Aplikasi*. Bandung: Informatika Bandung.

Zakky. (2018a). Pengertian Hasil Belajar Siswa dan Definisinya Menurut Para Ahli. Retrieved June 20, 2019, from <https://www.zonareferensi.com/pengertian-hasil-belajar/>

Zakky. (2018b). Pengertian Pembelajaran Menurut Para Ahli Pendidikan. Retrieved March 13, 2019, from <https://www.zonareferensi.com/pengertian-pembelajaran/>

Zakky. (2018c). Tujuan Pendidikan Nasional Menurut Undang Undang, Tap MPRS dan Para Ahli. Retrieved March 20, 2019, from <https://www.zonareferensi.com/tujuan-pendidikan/>