

## REFERENCES

- Abdulahi, A., Samadi, M. B., & Gharleghi, B. (2014). A study on the negative effects of social networking sites such as facebook among asia pacific university scholars in malaysia. *International Journal of Business and Social Science*, 5(10), 133–145. [https://ijbssnet.com/journals/Vol\\_5\\_No\\_10\\_September\\_2014/18.pdf](https://ijbssnet.com/journals/Vol_5_No_10_September_2014/18.pdf)
- Abidah, A., Hidaayatullaah, H N Simamora, R. M., Fehabutar, D., & Mutakinati, L. (2020). The impact of covid-19 to indonesian education and its relation to the philosophy of “merdeka belajar”. *Studies in Philosophy of Science and Education*, 1(1), 38–49. <https://doi.org/10.46627/sipose.v1i1.9>
- Adi, P. W., Martono, T., & Sudarno, S. (2021). Pemicu kegagalan pada pembelajaran di sekolah selama pandemi di indonesia (suatu studi pustaka). *Research and Development Journal of Education*, 7(2), 464–473. <http://dx.doi.org/10.30998/rdje.v7i2.10568>
- Adnan, M., & Anwar, K. (2020). Online learning amid the covid-19 pandemic: students perspectives. *Journal of Pedagogical Sociology and Psychology*, 1(2), 45–51. <https://doi.org/10.33902/jpsp.2020261309>
- Adzharuddin, N. A., & Ling, L. H. (2013). Learning management system (lms) among university students: does it work? *International Journal of E-Education, e-Business, e-Management and e-Learning*, 3(3), 248–252. <https://doi.org/10.7763/ijeeee.2013.v3.233>
- Ahsan, M., Akhtar, M. B., & Ahsan, M. (2021). Mental health, self-esteem, life satisfaction among ethiopian population during covid-19 pandemic: a survey based study. *European Journal of Molecular & Clinical Medicine*, 7(9), 2572–2584. [https://ejmcm.com/pdf\\_6884.html](https://ejmcm.com/pdf_6884.html)
- Aini, Q., Budiarto, M., Putra, P. O. H., & Rahardja, U. (2020). Exploring e-learning challenges during the global covid-19 pandemic: a review. *Jurnal Sistem Informasi*, 16(2), 57–65. <https://doi.org/10.21609/jsi.v16i2.1011>
- Al-Freih, M. (2021). The impact of faculty experience with emergency remote teaching: An interpretive phenomenological study. *IAFOR Journal of Education*, 9(2), 7–23. <https://doi.org/10.22492/ije.9.2.01>
- Alam, M., Al-Mamun, M., Pramanik, M. N. H., Jahan, I., Khan, M. R., Dishi, T., Akter, S. H., Jothi, Y. M., Shanta, T. A., Mitra, S., & Hossain, M. J. (2022). Paradigm shifting of education system during covid-19 pandemic: a qualitative study on education components. *SSRN Electronic Journal*, April(2022), 1-10. <https://doi.org/10.2139/ssrn.4075512>
- Alexander, K. L., Entwisle, D. R., & Olson, L. S. (2007). Lasting consequences of the summer learning gap. *American Sociological Review*, 72(2), 167–180. <https://doi.org/10.1177/000312240707200202>

- Almanar, M. A. (2020). The shifting of face to face learning to distance learning during the pandemic covid-19. *Globish: An English-Indonesian Journal for English, Education, and Culture*, 9(2), 113–119. <https://doi.org/10.31000/globish.v9i2.2772>
- Alperi, M., Riyanto, R., Sapri, J., Alexon, A., & Handayani, D. (2021). Analysis of the implementation of distance learning in the covid-19 pandemic new normal era. *International Journal of Asian Education*, 2(2), 120–128. <https://doi.org/10.46966/ijae.v2i2.172>
- Alyoubi, A., Halstead, E. J., Zambelli, Z., & Dimitriou, D. (2021). The impact of the covid-19 pandemic on students' mental health and sleep in Saudi Arabia. *International Journal of Environmental Research and Public Health*, 18(17), 1–16. <https://doi.org/10.3390/ijerph18179344>
- Amran, Suherman, W. S., & Asmudin. (2021). Physical education online learning during the covid-19 pandemic: effectiveness, motivation, and learning outcomes. *The International Journal of Social Sciences World*, 3(1), 123–137. <https://doi.org/10.5281/zenodo.4694175>
- Amuzu, D. (2021). Towards social justice consciousness in ghana's higher education: revisiting the thoughts of nkrumah and nyerere. *Journal of Interdisciplinary Studies in Education*, 10(SI), 1–20. <https://ojed.org/jise>
- Ancheta, R., & Ancheta, H. (2021). The new normal in education: a challenge to the private basic education institutions in the philippines? *International Journal of Educational Management and Development Studies*, 1(1), 1–19. <https://doi.org/10.53378/345960>
- Andarwulan, T., Al Fajri, T. A., & Damayanti, G. (2021). Elementary teachers' readiness toward the online learning policy in the new normal era during Covid-19. *International Journal of Instruction*, 14(3), 771–786. <https://doi.org/10.29333/iji.2021.14345a>
- Andriani, W., Subandowo, M., Karyono, H., & Gunawan, W. (2021). Learning Loss dalam Pembelajaran Daring di Masa Pandemi Corona. *SNASTEP: Seminar Nasional Teknologi Pembelajaran*, 2, 484–501. <http://snastep.com/proceeding/index.php/snastep/index>
- Angrist, N., Bergman, P., Brewster, C., & Matsheng, M. (2020). Stemming learning loss during the pandemic: a rapid randomized trial of a low-tech intervention in botswana. *Centre for Study of African Economic*, 44(August), 1–37. <https://doi.org/10.2139/ssrn.3663098>
- Angrist, N., de Barros, A., Bhula, R., Chakera, S., Cummiskey, C., de Stefano, J., Floretta, J., Kaffenberger, M., Piper, B., & Stern, J. (2021). Building back better to avert a learning catastrophe: estimating learning loss from covid-19 school shutdowns in africa and facilitating short-term and long-term learning recovery. *International Journal of Educational Development*, 84(March), 1–

14. <https://doi.org/10.1016/j.ijedudev.2021.102397>

- Ariawan, S. (2021). Perception and expectation of efl students on ideal online learning: a survey study in an indonesian islamic higher education. *International Journal of English and Applied Linguistics (IJEAL)*, 1(3), 250–257. <https://doi.org/10.47709/ijeal.v1i3.1241>
- Arini, P. D., Matin, M., & Zulaikha, S. (2021). Curriculum management during the covid-19 emergency. *Journal of Education Research and Evaluation*, 5(2), 271–278. <https://doi.org/10.23887/jere.v5i2.31593>
- Arsendy, S., Gunawan, C. J., Rarasati, N., & Suryadarma, D. (2020). Teaching and learning during school closure : lessons from indonesia. *Iseas Yusof Ishak Institute*, 89(2020), 1–11. [https://www.iseas.edu.sg/wp-content/uploads/2020/09/ISEAS\\_Perspective\\_2020\\_89.pdf](https://www.iseas.edu.sg/wp-content/uploads/2020/09/ISEAS_Perspective_2020_89.pdf)
- Arzaqi, R. N., & Romadona, N. F. (2021). The kindergarten’s headmaster view of the potential for learning loss in early childhood education during pandemic covid-19. *Indonesian Journal of Early Childhood Education Studies*, 10(2), 143–148. <https://doi.org/10.15294/ijeces.v10i2.51116>
- Asmarawati, E. (2022). Implementation of the independent curriculum in mathematics learning for class x vocational school in the administrative city of east jakarta. *International Journal of Educational Research & Social Sciences*, 3(5), 1915–1919. <https://doi.org/10.51601/ijersc.v3i5.487>
- Astuti, I. A. D., Bhakti, Y. B., Sumarni, R. A., Sulisworo, D., & Toifur, M. (2021). Flipped classroom and kahoot in physics learning: improving students’ motivation learning. *International Journal of Educational Management and Innovation*, 2(2), 175–182. <https://doi.org/10.12928/ijemi.v2i2.3491>
- Ayakumar, N., Suresh, A., Sundaramari, M., & Prathap, P. D. (2012). Understanding learning style variations among undergraduate students. *Journal of Extension Education*, 28(4), 5727–5734. <https://doi.org/http://dx.doi.org/10.26725/JEE.2016.4.28.5727-5734>
- Azevedo, J. P., Hasan, A., Goldemberg, D., Aroob, S., & Koen Geven, I. (2020). Simulating the potential impacts of covid-19 school closures on schooling and learning outcomes. *Policy Research Working Paper*, 9284(June), 1–61. <http://www.worldbank.org/prwp>.
- Barrot, J. S., Llenares, I. I., & del Rosario, L. S. (2021). Students’ online learning challenges during the pandemic and how they cope with them: the case of the philippines. *Education and Information Technologies*, 26(6), 7321–7338. <https://doi.org/10.1007/s10639-021-10589-x>
- Bashir, A., Bashir, S., Rana, K., Lambert, P., & Vernallis, A. (2021). Post-covid-19 adaptations; the shifts towards online learning, hybrid course delivery and the implications for biosciences courses in the higher education setting. *Frontiers*



*in Education*, 6(August), 1–13. <https://doi.org/10.3389/feduc.2021.711619>

- Basyiroh, U., Istanto, I., & Hafidz, H. (2022). The effect of online and offline learning on the motivation of islamic education learning. *Proceedings of the International Conference on Islamic and Muhammadiyah Studies (ICIMS 2022)*, 676(Icims), 213–225. <https://doi.org/10.2991/assehr.k.220708.027>
- Beatty, A., Berkhout, E., Bima, L., Pradhan, M., & Suryadarma, D. (2021). Schooling progress, learning reversal: indonesia's learning profiles between 2000 and 2014. *International Journal of Educational Development*, 85(June), 1–16. <https://doi.org/10.1016/j.ijedudev.2021.102436>
- Bikos, K., Stamovlasis, D., & Tzifopoulos, M. (2018). Dimensions of digital divide and relationships with social factors: a study of greek pre-service teachers. *Themes in ELearning*, 11(1), 23–34. <https://files.eric.ed.gov/fulltext/EJ1204746.pdf>
- Biswas, D., & Dey, C. (2021). Offline vs . online education : opportunities and challenges in indian context. *International Conferences, April(2021)*, 1-7.
- Bradley, V. M. (2020). Learning management system (lms) use with online instruction. *International Journal of Technology in Education*, 4(1), 68–94. <https://doi.org/10.46328/ijte.36>
- Brophy, M. (2020). he role of ngos in supporting education in africa. *Journal of International and Comparative Education*, 9(1), 45–56. <https://files.eric.ed.gov/fulltext/EJ1251992.pdf>
- Busuttill, L., & Farrugia, R. C. (2020). Teachers' response to the sudden shift to online learning during covid-19 pandemic: implications for policy and practice. *Review of Education Research*, 14(2), 212–242. <https://www.researchgate.net/publication/347933255>
- Cahapay, M. B. (2020). Rethinking education in the new normal post-covid-19 era: a curriculum studies perspective. *Aquademia*, 4(2), 2–5. <https://doi.org/10.29333/aquademia/8315>
- Cahaya, A., Yusriadi, Y., & Gheisari, A. (2022). Transformation of the education sector during the covid-19 pandemic in indonesia. *Education Research International*, 10(2022), 1–8. <http://dx.doi.org/10.1155/2022/8561759>
- Calderón-Gómez, D., Casas-Mas, B., Urraco-Solanilla, M., & Revilla, J. C. (2020). The labour digital divide: digital dimensions of labour market segmentation. *Work Organisation, Labour and Globalisation*, 14(2), 7–30. <https://doi.org/10.13169/workorgalaboglob.14.2.0007>
- Cambaz, H. Z., & Ünal, G. (2021). Does student's cognitive flexibility decrease during pandemic? A new approach to measure cognitive flexibility. *International Journal of Cognitive Research in Science, Engineering and Education*, 9(1), 13–22. <https://doi.org/10.23947/2334-8496-2021-9-1-13-22>

- Carr-Chellman, A., & Duchastel, P. (2000). The ideal online course. *British Journal of Educational Technology*, 31(3), 229–241. <http://www.ingentaconnect.com/content/bpl/bjet/2000/00000031/00000003/art00154>
- Castanheira, K., Da, S., Sharp, M., & Otto, A. R. (2021). The impact of pandemic-related worry on cognitive functioning and risk-taking. *PLoS ONE*, 16(11), 1–19. <https://doi.org/10.1371/journal.pone.0260061>
- Chang, Y. S., Jeon, S., & Shamba, K. (2020). Speed of catch-up and digital divide: convergence analysis of mobile cellular, internet, and fixed broadband for 44 african countries. *Journal of Global Information Technology Management*, 23(3), 217–234. <https://doi.org/10.1080/1097198X.2020.1792231>
- Cheng, E. W. L. (2016). Learning through the variation theory: a case study. *International Journal of Teaching and Learning in Higher Education*, 28(2), 283–292.
- Chiatoh, B. A., & Chia, J. (2020). The covid-19 pandemic and the challenge of teaching english online in higher institutions of learning in cameroon. *Journal of English Language Teaching and Applied Linguistics*, 2(5), 35–42. <https://doi.org/10.32996/jeltal.2020.2.5.4>
- Davis, C. R., Grooms, J., Ortega, A., Rubalcaba, J. A. A., & Vargas, E. (2021). Distance learning and parental mental health during covid-19. *Educational Researcher*, 50(1), 61–64. <https://doi.org/10.3102/0013189X20978806>
- De Bofarull, I. (2019). Character and learning habits: definition and measurement proposal. *Revista Espanola de Pedagogia*, 77(272), 47–65. <https://doi.org/10.22550/REP77-1-2019-03>
- Deng, X. N. (2022). Barriers to e-learning during crisis : a capital theory perspective on academic adversity. *Journal of Information Systems Education*, 33(1), 76–87.
- Deoni, S. C. L., Beauchemin, J., Volpe, A., & D'Sa, V. (2021). Impact of the covid-19 pandemic on early child cognitive development: initial findings in a longitudinal observational study of child health. *MedRxiv: The Preprint* <https://doi.org/10.1101/2021.08.10.21261846>
- Desai, F. P. (2020). Teaching english through drama to tribal students of undergraduate level at remote area of south gujarat region in india. *Education Quarterly Reviews*, 3(4), 521–537. <https://doi.org/10.31014/aior.1993.03.04.159>
- Dhawan, S. (2020). Online learning: a panacea in the time of covid-19 crisis. *Journal of Educational Technology Systems*, 49(1), 5–22. <https://doi.org/10.1177/0047239520934018>
- Dibeltulo, S., Culhane, S., & Gennari, D. T. (2020). Bridging the digital divide:

Older adults' engagement with online cinema heritage. *Digital Scholarship in the Humanities*, 35(4), 797–811. <https://doi.org/10.1093/LLC/FQZ079>

Dinata, P. A. C., Suparwoto, S., & Sari, D. K. (2020). Problem-based online learning assisted by whatsapp to facilitate the scientific learning of 2013 curriculum. *Berkala Ilmiah Pendidikan Fisika*, 8(1), 1–11. <https://doi.org/10.20527/bipf.v8i1.7647>

Dolighan, T., & Owen, M. (2021). Teacher efficacy for online teaching during the covid-19 pandemic. *Brock Education Journal*, 30(1), 95–116. <https://doi.org/10.26522/brocked.v30i1.851>

Dziuban, C., Graham, C. R., Moskal, P. D., Norberg, A., & Sicilia, N. (2018). Blended learning: the new normal and emerging technologies. *International Journal of Educational Technology in Higher Education*, 15(1), 1–16. <https://doi.org/10.1186/s41239-017-0087-5>

Elihami, E. (2021). Bibliometric analysis of islamic education learning loss in the covid-19 pandemic. *Linguistics and Culture Review*, 5(S1), 851–859. <https://doi.org/10.21744/lingcure.v5ns1.1469>

Engzell, P., Frey, A., & Verhagen, M. D. (2021). Learning loss due to school closures during the covid-19 pandemic. *PNAS*, 118(17), 1–7. <https://doi.org/10.1073/pnas.2022376118/-/DCSupplemental.y>

Fajri, Z., Baharun, H., Muali, C., Shofiatus, Farida, L., & Wahyuningtiyas, Y. (2021). Student's learning motivation and interest; the effectiveness of online learning during covid-19 pandemic. *Journal of Physics: Conference Series*, 1899(2021), 1–10. <https://doi.org/10.1088/1742-6596/1899/1/012178>

Ferri, F., Grifoni, P., & Guzzo, T. (2020). Online Learning and Emergency Remote Teaching: Opportunities and Challenges in Emergency Situations. *Societies*, 10(4), 86. <https://doi.org/10.3390/soc10040086>

Firman, F., Muhsin, M. A., & Goestina, G. (2021). Online based learning management system (lms) on student academic performance. *AL-ISHLAH: Jurnal Pendidikan*, 13(1), 788–793. <https://doi.org/10.35445/alishlah.v13i1.415>

Gherhes, V., Stoian, C. E., & Alina, M. (2021). E-learning vs . Face-to-face learning: analyzing students ' preferences and behaviors. *Sustainability*, 13(8), 1–15. <http://dx.doi.org/10.3390/su13084381>

Gowder, S. J. (2015). Current education system and policy in developing and developed countries-an overview. *Journal of Socialomics*, 04(01), 21–67. <http://dx.doi.org/10.4172/2167-0358.1000e126>

Gustiani, S. (2020). Students ' motivation in online learning during covid-19 pandemic era: a case study. *Holistics Journal*, 12(2), 23–40. <https://jurnal.polsri.ac.id/index.php/holistic/article/view/3029>



- Hadadnia, S., Shahidi, N., & Hadadnia, N. (2012). Effects of teaching through online teacher versus real teacher on student learning in the classroom. *Contemporary Educational Technology*, 3(1), 50–59. <http://dx.doi.org/10.30935/cedtech/6067>
- Hadi, M. S., & Athallah, N. I. (2021). Gamification ' s effectiveness in online english teaching in the pandemic era. *Jurnal Studi Guru Dan Pembelajaran*, 4(2), 282–286. <https://doi.org/10.30605/jsjgp.4.2.2021.590>
- Hanik, E. U., Afriyanti, I., Ruchyyah, S., & Afiyah, U N Robi'attuladawiyah, W. A. (2021). The strategies of blended learning in new normal era at kuala lumpur indonesian school. *MUDARRISA: Jurnal Kajian Pendidikan Islam*, 13(1), 35–54. <https://doi.org/10.18326/mdr.v13i1.35-54>
- Hanushek, E. A., & Woessmann, L. (2020). The economic impacts of learning losses. *OECD Education Working Papers*, 225(September), 6–24. [https://www.oecd-ilibrary.org/education/the-economic-impacts-of-learning-losses\\_21908d74-en](https://www.oecd-ilibrary.org/education/the-economic-impacts-of-learning-losses_21908d74-en)
- Hoon, S., & Wilkins, P. (2018). Adult learning and the advantages of the online learning experience. *Westcliff International Journal of Applied Research*, 2(2), 31–36. <https://doi.org/10.47670/wuwijar201822pws>
- Hossain, M. (2021). Unequal experience of covid-induced remote schooling in four developing countries. *International Journal of Educational Development*, 85(March), 1–10. <https://doi.org/10.1016/j.ijedudev.2021.102446>
- Huan, S., & Yang, C. (2022). Learners' autonomous learning behavior in distance reading based on big data. *International Journal of Emerging Technologies in Learning*, 17(9), 273–287. <https://doi.org/10.3991/ijet.v17i09.31373>
- Jena, A. K., & Gupta, S. (2019). Effects of online technology based scaffolding on asynchronous learning performance of students. *Think India Journal*, 22(14), 6919–6939. <https://files.eric.ed.gov/fulltext/ED601221.pdf>
- Khalil, R., Mansour, A. E., Fadda, W. A., Almisnid, K., Aldamegh, M., Al-Nafeesah, A., Alkhalifah, A., & Al-Wutayd, O. (2020). The sudden transition to synchronized online learning during the covid-19 pandemic in saudi arabia: a qualitative study exploring medical students' perspectives. *BMC Medical Education*, 20(1), 1–10. <https://doi.org/10.1186/s12909-020-02208-z>
- Kim, J. I. (2017). Issues of motivation and identity positioning: two teachers' motivational practices for engaging immigrant children in learning heritage languages. *International Journal of Bilingual Education and Bilingualism*, 20(6), 638–651. <https://doi.org/10.1080/13670050.2015.1066754>
- Kim, J. I., & Kim, M. (2016). Three korean heritage language teachers' identities, their identification of their students, and their instructional practices. *Journal of Language, Identity and Education*, 15(6), 361–375.

<https://doi.org/10.1080/15348458.2016.1218281>

- Király, S. (2010). How to increase the productivity of the. *Acta Didactica Napocensia*, 33(0), 1–8.
- Kohli, H., Wampole, D., & A, K. (2021). Impact of online education on student learning during the pandemic. *Studies in Learning and Teaching*, 2(2), 1–11. <https://doi.org/10.46627/silet.v2i2.65>
- Kutza, D., & Cornell, K. (2021). Fostering posttraumatic growth in college classrooms during covid-19. *Journal of Teaching and Learning with Technology*, 10(2), 12–22. <https://doi.org/10.14434/jotlt.v9i2.31381>
- Lepp, L., Aaviku, T., Leijen, Ä., Pedaste, M., & Saks, K. (2021). Teaching during covid-19: the decisions made in teaching. *Education Sciences*, 11(2), 1–21. <https://doi.org/10.3390/educsci11020047>
- Lim, L. T. S., Regencia, Z. J. G., Dela Cruz, J. R. C., Ho, F. D. V., Rodolfo, M. S., Ly-Uson, J., & Baja, E. S. (2022). Assessing the effect of the covid-19 pandemic, shift to online learning, and social media use on the mental health of college students in the philippines: a mixed-method study protocol. *PLoS ONE*, 17(5), 1-5. <https://doi.org/10.1371/journal.pone.0267555>
- Locke, E. (2009). Proposed model for a streamlined, cohesive, and optimized k-12 stem curriculum with a focus on engineering. *The Journal of Technology Studies*, 35(2), 23–35. <https://doi.org/10.21061/jots.v35i2.a.3>
- Luitel, B. C., & Manandhar, N. K. (2020). Education before , during and after pandemic : a proposal for steam education. *Educational Commemorative*, 9(2020), 152–166. <https://www.researchgate.net/publication/350222786>
- Makoe, M., & Olcott, D. (2021). Leadership for development: re-shaping higher education futures and sustainability in africa. *Journal of Learning for Development*, 8(3), 487–500. <https://doi.org/10.56059/jl4d.v8i3.569>
- Malik, R., & Rizvi, A. (2018). Effect of classroom learning environment on students' academic achievement in mathematics at secondary level. *Bulletin of Education and Research*, 40(2), 207–218. <https://files.eric.ed.gov/fulltext/EJ1209817.pdf>
- Maqsood, A., Abbas, J., Rehman, G., & Mubeen, R. (2021). The paradigm shift for educational system continuance in the advent of covid-19 pandemic: mental health challenges and reflections. *Current Research in Behavioral Sciences*, 2(January), 1–5. <https://doi.org/10.1016/j.crbeha.2020.100011>
- McBrien, J. L., Jones, P., & Cheng, R. (2009). Virtual spaces: employing a synchronous online classroom to facilitate student engagement in online learning. *International Review of Research in Open and Distance Learning*, 10(3), 1–17. <https://doi.org/10.19173/irrodl.v10i3.605>



- McQuirter, R. L. (2020). Lessons on change: shifting to online teaching during covid-19. *Brock Education Journal*, 29(2), 47–51. <https://doi.org/10.26522/brocked.v29i2.840>
- Means, Barbara., Bakia, Marianne., & Murphy, Robert. (2014). *Learning Online: What Research Tells Us About Whether, When and How*. 10.4324/9780203095959.
- Meylani, R., Bitter, G., & Legacy, J. (2015). Desirable characteristics of an ideal online learning environment. *Journal of Educational and Social Research*, 5(1), 203–216. <https://doi.org/10.5901/jesr.2015.v5n1p203>
- Miles, M. B., Huberman, A. M., & Saldaña, J. (2014). *Qualitative Data Analysis*. Sage: London.
- Mpungose, C. B. (2020). Emergent transition from face-to-face to online learning in a south african university in the context of the coronavirus pandemic. *Humanities and Social Sciences Communications*, 7(1), 1–9. <https://doi.org/10.1057/s41599-020-00603-x>
- Muljana, P. S., & Luo, T. (2019). Factors contributing to student retention in online learning and recommended strategies for improvement: a systematic literature review. *Journal of Information Technology Education: Research*, 18(1), 19–57. <https://doi.org/10.28945/4182>
- Munawaroh, E., & Nurmalasari, Y. (2021). Students' resilience after pandemic : learning loss recovery. *Psikoeduko: Jurnal Psikologi Edukasi Dan Konseling*, 1(2), 1–10. <https://ejournal.upi.edu/index.php/Psikoeduko/article/view/40509/pdf>
- Nguyen, H. T. T. (2021). Boosting motivation to help students to overcome online learning barriers in covid-19 pandemic: a case study. *International Journal of Interactive Mobile Technologies*, 15(10), 4–20. <https://doi.org/10.3991/ijim.v15i10.20319>
- Nguyen, V. A. (2017). The impact of online learning activities on student learning outcome in blended learning course. *Journal of Information & Knowledge Management*, 16(4), 1–21. <https://doi.org/10.1142/S021964921750040X>
- Nurohmat, N. (2020). The effect of online learning on students' english learning achievement. *Scripta; English Department Journal*, 7(2), 58–65. <https://doi.org/10.37729/scripta.v7i2.831>
- Nuryati, N. (2021). Impact of the covid - 19 pandemic on education inputs , processes and outputs. *International Conference on Early and Elementary Education, 2021(May)*, 99–106. <http://hdl.handle.net/11617/12544>
- Ogbonna, C. G., Ibezim, N. E., & Obi, C. (2019). Synchronous versus asynchronous e-learning in teaching word processing: an experimental approach. *South*

*African Journal of Education*, 39(2), 1–15.  
<https://doi.org/10.15700/saje.v39n2a1383>

Okoye, K., Rodriguez-Tort, J. A., Escamilla, J., & Hosseini, S. (2021). Technology-mediated teaching and learning process: a conceptual study of educators' response amidst the covid-19 pandemic. *Education and Information Technologies*, 26(3), 1–34. <https://doi.org/10.1007/s10639-021-10527-x>

Oktariani, F., Fionasari, R., & Ramdha, T. (2021). The impact of learning loss due to family income factors on students' achievement during the covid-19 pandemic. *Edunesia: Jurnal Ilmiah Pendidikan*, 3(1), 12–20. <https://doi.org/10.51276/edu.v3i1.203>

Oluwatelure, T. A. (2010). Classroom learning environments as a correlate of scientific literacy. *Journal of College Teaching & Learning (TLC)*, 7(6), 1–10. <https://doi.org/10.19030/tlc.v7i6.124>

Onyema, E. M. (2020). Impact of coronavirus pandemic on education. *Journal of Education and Practice*, 11(13), 108–121. <https://doi.org/10.7176/jep/11-13-12>

Pacheco, J. A. (2021). The “new normal” in education. *Prospects*, 51(3), 3–14. <https://doi.org/10.1007/s11125-020-09521-x>

Palvia, S., Aeron, P., Gupta, P., Mahapatra, D., Parida, R., Rosner, R., & Sindhi, S. (2018). Online education: worldwide status, challenges, trends, and implications. *Journal of Global Information Technology Management*, 21(4), 233–241. <https://doi.org/10.1080/1097198X.2018.1542262>

Panagouli, E., Stavridou, A., Savvidi, C., Kourti, A., Psaltopoulou, T., Sergentanis, T. N., & Tsitsika, A. (2021). School performance among children and adolescents during covid-19 pandemic: a systematic review. *Children*, 8(12), 1–12. <https://doi.org/10.3390/children8121134>

Pasani, C. F., & Amelia, R. (2021). Learning loss and education inequality in indonesia (mapping the potential, consequences, and the covid-19 crisis). *Review of International Geographical Education*, 11(10), 1171–1181. <http://dx.doi.org/10.2139/ssrn.3833230>

Paul, J., & Jefferson, F. (2019). A comparative analysis of student performance in an online vs . Face-to-face environmental science course from 2009 to 2016. *Frontiers in Computer Science*, 1(7), 1–9. <https://doi.org/10.3389/fcomp.2019.00007>

Pereira, H., Gonçalves, V. O., & de Assis, R. M. (2021). Burnout, organizational self-efficacy and self-esteem among brazilian teachers during the covid-19 pandemic. *European Journal of Investigation in Health, Psychology and Education*, 11(3), 795–803. <https://doi.org/10.3390/ejihpe11030057>

Powell, A., & Barbour, M. (2011). Tracing international differences in online

learning development: an examination of government policies in new zealand. *Journal of Open, Flexible and Distance Learning*, 15(1), 75–89. <https://files.eric.ed.gov/fulltext/EJ1079876.pdf>

Pradana, M., Rahmawan, M. D., Wahyuddin, S., & Imam, R. (2021). Gap analysis of university online learning website from students' perspectives: a case from telkom university, indonesia. *Journal of Physics: Conference Series*, 1752(1), 1–7. <https://doi.org/10.1088/1742-6596/1752/1/012069>

Pratama, P. Y. S. (2022). Viewing technology integration in current classroom through triple-e framework. *Proceedings Series on Physical & Formal Sciences*, 3(2022), 12–17. <https://doi.org/10.30595/pspfs.v3i.258>

Pratama, P. Y. S., Padmadewi, N. N., & Utami, I. G. A. L. P. (2022). Lateral thinking practice on elt situation: innovative strategy to promote hots. *Premise: Journal of English Education*, 11(1), 50–57. <https://doi.org/10.24127/pj.v11i1.4430>

Pratama, P. Y. S., Utami, I. G. A. L. P., & Adnyani, L. D. S. (2020). An analysis of english language education ( ele ) students ' motivation in learning pedagogical courses. *Jurnal Pendidikan Indonesia-Undiksha*, 9(1), 131–141. <https://doi.org/10.23887/jpi-undiksha.v9i1.23516>

Rachman, L. A., Sudiyono, S., & Phonix, E. (2021). The blended learning implementation of elt based on teachers and students' perspective in new normal condition of covid 19. *PROJECT (Professional Journal of English Education)*, 4(3), 457–468. <https://doi.org/10.22460/project.v4i3.p457-468>

Rachman, N. (2020). Effectiveness of online vs offline classes for efl classroom : a study case in a higher education. *Journal of English Teaching, Applied Linguistics and Literatures (JETALL)*, 3(1), 19–26. <https://doi.org/10.20527/jetall.v3i1.7703>

Rafi, A. M., Varghese, P. R., & Kuttichira, P. (2020). The pedagogical shift during covid 19 pandemic: online medical education, barriers and perceptions in central kerala. *Journal of Medical Education and Curricular Development*, 7(1), 1–4. <https://doi.org/https://doi.org/10.1177/2382120520951795>

Ratminingsih, N. M., Ana, I. K. T. A., Fatmawan, A. R., Artini, L. P., & Padmadewi, N. N. (2022). Whatsapp implementation on pedagogical content courses during covid-19 pandemic: students' learning activities and perception. *Kasetsart Journal of Social Sciences*, 43(1), 238–244. <https://doi.org/10.34044/j.kjss.2022.43.1.32>

Rhode, J., Richter, S., Gowen, P., Miller, T., & Wills, C. (2017). Understanding faculty use of the learning management system. *Online Learning Journal*, 21(3), 68–86. <https://doi.org/10.24059/olj.v%vi%i.1217>

Rizun, M., & Strzelecki, A. (2020). Students' acceptance of the covid-19 impact on



- shifting higher education to distance learning in poland. *International Journal of Environmental Research and Public Health*, 17(18), 1–19. <https://doi.org/10.3390/ijerph17186468>
- Roberge, G. D., Gagnon, L. L., & Oddson, B. E. (2011). The ideal classroom: a comparative study of education and nursing student learning and psychosocial environmental preferences. *Spring*, 1(May), 1–16. <https://www.researchgate.net/publication/232709146>
- Rochmawati, L., Fatmawati, Sukma, M. M., & Sonhaji, I. (2021). Online learning motivation for aviation english: attitude, readiness, and demographic factors. *JEEES (Journal of English Educators Society)*, 6(1), 1–8. <https://doi.org/10.21070/jees.v6i1.792>
- Salta, K., Paschalidou, K., Tsetseri, M., & Koulougliotis, D. (2022). Shift from a traditional to a distance learning environment during the covid-19 pandemic: university students' engagement and interactions. *Science and Education*, 31(1), 93–122. <https://doi.org/10.1007/s11191-021-00234-x>
- Sari, D. K., Ariadi, P., & Dinata, C. (2022). The construction of isomorphic physics ( forfis ) as gamification- based application to support online learning. *JIPF (Jurnal Ilmu Pendidikan Fisika)*, 7(2), 112–122. <https://dx.doi.org/10.26737/jipf.v7i2.2113>
- Sawarkar, G., Sawarkar, P., & Kuchewar, V. (2020a). Ayurveda students' perception toward online learning during the covid-19 pandemic. *Journal of Education and Health Promotion*, 9(December), 1–6. <https://doi.org/10.4103/jehp.jehp>
- Sawarkar, G., Sawarkar, P., & Kuchewar, V. (2020b). Ayurveda students' perception toward online learning during the covid-19 pandemic. *Journal of Education and Health Promotion*, 9(1), 1–6. <https://doi.org/10.4103/jehp.jehp>
- Selvaraj, A., Radhin, V., KA, N., Benson, N., & Mathew, A. J. (2021). Effect of pandemic based online education on teaching and learning system. *International Journal of Educational Development*, 85(January), 1–11. <https://doi.org/10.1016/j.ijedudev.2021.102444>
- Setiawan, W. A. (2018). Differences of education systems in developed and developing countries curriculum, educators and financing in indonesia and finland. *Didaktika Religia*, 6(1), 139–152. <https://doi.org/10.30762/didaktika.v6i1.1100>
- Setyono, B. (2016). Providing variations of learning modalities to scaffold pre-service efl teachers in designing lesson plan. *Prosiding Ictte Fkip Uns 2015*, 1(1), 336–343. <https://media.neliti.com/media/publications/169633-EN-providing-variations-of-learning-modalit.pdf>
- Sharma, V., Zakaria, A. K. M., & Sultana, F. (2021). ELT pedagogical platforms

used by engineering students in bangladesh : a survey-based study of the issues and challenges during and beyond covid-19 pandemic. *DUET Journal*, 7(1), 27–36. <http://103.133.35.64:8080/xmlui/handle/123456789/404>

Shikalepo, E. E. (2020). Challenges facing learning at rural schools : a review of related literature. *International Journal of Research and Innovation in Social Science*, 7(3), 128–132. <https://www.researchgate.net/publication/340272978>

Simal, F., Mahulauw, D., Leasa, M., & Batlolona, J. R. (2022). Self awareness and mitigation of learning loss on students' science learning outcomes during the covid 19 pandemic. *Jurnal Penelitian Pendidikan IPA*, 8(1), 239–246. <https://doi.org/10.29303/jppipa.v8i1.1172>

Singh, P., Sinha, R., Koay, W. L., Teoh, K. B., Nayak, P., Lim, C. H., Dubey, A. K., Das, A., Faturrahman, I., & Aryani, N. (2021). A comparative study on effectiveness of online and offline learning in higher education. *International Journal of Tourism and Hospitality in Asia Pasific*, 4(3), 102–114. <https://doi.org/10.32535/ijthap.v4i3.1212>

Singh, S., Rylander, D. H., & Mims, T. C. (2012). Efficiency of online vs. offline learning: a comparison of inputs and outcomes. *International Journal of Business, Humanities and Technology*, 2(1), 93–98. [http://ijbhtnet.com/journals/Vol\\_2\\_No\\_1\\_January\\_2012/12.pdf](http://ijbhtnet.com/journals/Vol_2_No_1_January_2012/12.pdf)

Sovayunanto, R. (2022). Learning loss dan faktor-faktor penyebab di sekolah smp. *Jurnal Mahasiswa BK An-Nur*, 8(1), 12–17.

Soesmanto, T., Logan-Flemming, D., Dantes, G. R., & Kariyawasam, K. (2022). 7 Ways ro reduce the learning loss caused by the pandemic. *ESymposium*, 1–10. [https://doi.org/eseearchgate.net/publication/366846817\\_7\\_](https://doi.org/eseearchgate.net/publication/366846817_7_)

Stanciu, C., Coman, C., Gabriel, T., & Bularca, M. C. (2020). Online teaching and learning in higher education during the coronavirus pandemic : students ' perspective. *Sustainability*, 12(2), 1–24. <https://doi.org/10.3390/su122410367>

Stefani, S., & Tiatri, S. (2021). How adolescent's self-esteem affects internet addiction tendency during covid-19 pandemic in takengon, central aceh. *Proceedings of the International Conference on Economics, Business, Social, and Humanities (ICEBSH 2021)*, 570((Icebsh)), 951–957. <https://doi.org/10.2991/assehr.k.210805.150>

Stewart, W. H. (2016). Book review of learning online: what research tells us about whether, when and how. *Open Praxis*, 8(3), 277–278. <https://doi.org/10.5944/openpraxis.8.3.333>

Sumardi, D., Suryani, N., & Musadad, A. A. (2021). Use of learning management systems (lms) as a network learning media (online) during the covid-19 pandemic. *International Conference of Social Research with Multidisciplinary Approach (ICSRMA) 2021*, 4(2021), 60–66.

<https://doi.org/10.11594/nstp.2021.1206>

- Susanto, E., Sasongko, R. N., Kristiawan, M., Nipriansyah, N., & Purdiyanto, P. (2021). Constraints of online learning using google classroom during covid-19. *Education Quarterly Reviews*, 4(2), 100–107. <https://doi.org/10.31014/aior.1993.04.02.201>
- Sweidan, N. S., & Areiqat, A. (2020). The digital divide and its impact on quality of education at jordanian private universities case study: al-ahliyya amman university. *International Journal of Higher Education*, 10(3), 1–9. <https://doi.org/10.5430/ijhe.v10n3p1>
- Syahrudin, S., Mutiani, M., Handy, M. R. N., Abbas, E. W., & Jumriani, J. (2021). Building Students' Learning Experience in Online Learning During Pandemic. *AL-ISHLAH: Jurnal Pendidikan*, 13(2), 979–987. <https://doi.org/10.35445/alishlah.v13i2.796>
- Tian, H., He, Y., Cai, H., & Hao, X. (2006). Design and implementation of virtual museum based on web. *Jisuanji Gongcheng/Computer Engineering*, 32(10), 204–206. <https://www.researchgate.net/publication/297527721>
- Tria, J. Z. (2020). The covid-19 pandemic through the lens of education in the philippines: the new normal. *International Journal of Pedagogical Development and Lifelong Learning*, 1(1), 1–4. <https://doi.org/10.30935/ijpdll/8311>
- Urh, M., & Jereb, E. (2014). Learning habits in higher education. *Procedia - Social and Behavioral Sciences*, 116(February), 350–355. <https://doi.org/10.1016/j.sbspro.2014.01.220>
- Wahyudi, A. (2021a). Learning loss during covid-19 pandemic in indonesia and the strategies to minimize it. *Journal of English Education and Linguistics*, 2(2), 18–25. <https://doi.org/10.56874/jeel.v2i2.579>
- Wahyudi, A. (2021b). Learning loss during covid-19 pandemic in indonesia and the strategies to minimize it. *Journal of English Education and Linguistics*, 2(2), 18–25.
- Wakhidah, N., Erman, E., Widyaningrum, A., & Aini, V. N. (2021). Reflection online learning during pandemic and new normal: barriers, readiness, solutions, and teacher innovation. *JPI (Jurnal Pendidikan Indonesia)*, 10(3), 464–474. <https://doi.org/10.23887/jpi-undiksha.v10i3.31093>
- Whitby, P., & Miller, K. J. (2009). Using ekidtools software tools to provide behavior support in general education settings. *Teaching Exceptional Children Plus*, 5(3), 1–13. <https://search.proquest.com/docview/1023532165>
- Xiao, J. (2021). Decoding new normal in education for the post-covid-19 world: beyond the digital solution. *Asian Journal of Distance Education*, 16(1), 141–155. <https://files.eric.ed.gov/fulltext/EJ1303574.pdf>



- Yıldız, C. D. (2020). Ideal classroom setting for english language teaching through the views of english language teachers (a sample from turkey). *English Language Teaching*, 13(3), 31–44. <https://doi.org/10.5539/elt.v13n3p31>
- Youhao, L., & Jianxiang, Y. (2021). Investigation and analysis of college students' online learning behavior in the post-epidemic era—take suqian college as an example. *Journal of Education and Culture Studies*, 5(2), 67–73. <https://doi.org/10.22158/jecs.v5n2p67>
- Yundayani, A., Abdullah, F., Tandiana, S. T., & Sutrisno, B. (2021). Students' cognitive engagement during emergency remote teaching: evidence from the indonesian efl milieu. *Journal of Language and Linguistic Studies*, 17(1), 17–33. <https://doi.org/10.52462/jlls.2>
- Yuniastari, R., & Da Silva, A. M. (2022). The Advantages and disadvantages of offline and emergency remote online general english classes. *Language Circle: Journal of Language and Literature*, 16(2), 394–412. <https://doi.org/10.15294/lc.v16i2.31861>
- Yuzulia, I. (2021). *The Challenges Of Online Learning During Pandemic : Students' Voice*. 13(1), 8–12.
- Zaidi, K. A., Gul, A., & Ahmad, F. (2020). The impact of online teaching during the coronavirus pandemic on the lives of teachers and parents. *Asian Journal of Education and Training*, 6(4), 658–663. <https://doi.org/10.20448/journal.522.2020.64.658.663>
- Zhdanov, S. P., Baranova, K. M., Udina, N., Terpugov, A. E., Lobanova, E. V., & Zakharova, O. (2022). Analysis of learning losses of students during the covid-19 pandemic. *Contemporary Educational Technology*, 14(3), 369–379. <https://doi.org/10.30935/cedtech/11812>