## REFERENCES

A, A. M. (2019). The Use of Technology in English Language Teaching. *Frontiers in Education Technology*, 2(3), 168-180. doi:doi:10.22158/fet.v2n3p168

Achmadi, C. N. (2004). Metodologi Penelitian. Jakarta: Bumi Aksara.

- Ainley, M. (2006). Connecting with Learning: Motivation, Affect and Cognition in Interest Processes. *Educational Psychology Review*, 391-405. doi:https://doi.org/10.1007/s10648-006-9033-0
- Al-Gayyar, G. A. (2013). Employing Artificial Intelligence for Building Educational Websites as A Prelude to the Development of Electronic University Learning. *Future of Arabic Education. The Arab Center for Education and Development*, 501-510.
- Alismail, H. A. (2015). 21st Century Standards and Curriculum: Current Research and Practice. *Journal of Education and Practice*, *6*(6), 150-154.
- Ary, e. a. (2010). Introduction to Research in Education. Wadsworth: Cengage Learning.
- Barnes-Hawkins, C. (2016). English Language Learners' Perspectives of the Communicative Language Approach. Walden Dissertations And Doctoral Studies.
- Borge, N. (2016). Artificial Intelligence to Improve Education/Learning Challenges. International Journal of Advanced Engineering & Innovative Technology.
- Brown, H. D. (2007). *Teaching by Principles: An Interactive Approach to Language Pedagogy*. USA: Pearson Education.
- Cabirio Cautela, M. M. (2019). The Impact of Artificial Intelligence on Design Thinking practice: Insights from the Ecosystem of Startups. *Strategic Design Research Journal*, *12*, 114-134. doi:https://doi.org/10.4013/sdrj.2019.121.08
- Calp, M. H. (2019, February 4). Evaluation of Multidisciplinary Effects of Artificial Intelligence with Optimization Perspective. Broad Research in Artificial Intelligence & Neuroscience, 10 (1), 20-29.

- Chalkiadaki, A. (2018). A Systematic Literature Review of 21st Century Skills and Competencies in Primary Education. *International Journal of Instruction*, 11, No.3. doi:https://doi.org/10.12973/iji.2018.1131a
- ChanLin, L.-J. (2007). Perceived Importance and Manageability of Teacher Towards The Factors of Integrating Computer Technology Into Classroom. *Innovations in Education and Teaching International*, 44(1), 45-55. doi:https://doi.org/10.1080/14703290601090390
- Cheong, C., Cheong, F., & Filippou, J. (2013). Quick Quiz: A Gamified Approach for Enhancing Learning. Retrieved from https://aisel.aisnet.org/pacis2013/206
- Comblet & All. (2001). *The Language of Speech and Writing*. London: Tailor & Francis e-Library.
- Creswell, J. W. (2005). Educational Research: Planning, Conducting and Evaluating Qualitative and Quantitative Research. New Jersey: Pearson.
- Creswell, J. W. (2012). Educational Research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research. Boston.
- Donald Ary, L. C. (2010). Introduction to Research in Education 8th Edition. Canada: Wadsworth Cengage Learning.
- Dr. Arifin Naz, D. M. (2017). Applying Scratch Programming to Facilitate Teaching in K-12 Classroom. doi:10.18260/1-2--27604
- Efrizal, D. (2012). Improving Students' Speaking through Communicative Language Teaching Method at Mts Ja-alhaq, Sentot Ali Basa Islamic Borading School of Bengkulu, Indonesia. *International Journal of Humanities and Social Science*, 2(20), 127-134.
- Enhancing English Skills Through Project Based Learning. (n.d.). The English Teacher, 1-10.
- Gabriela Kiryakova, N. A. (2014). Gamification in Education.
- Gawate, D. S. (2019). Artificial Intelligence (AI) Based Instructional Programs in Teaching Learning of English Language. *International Journal of English Language, Literature and Translation Studied*. doi:10.33329/ijelr.64.69

Giang, V. (2013, September 18). "Gamification" Techniques Increase Your Employees' Ability To Learn By 40%.

Habeeb, A. (2017). Introduction to Artificial Intelligence.

- Halah Ahmed Alismail, D. P. (2015). 21st Century Standards and Curriculum: Current Research and Practice. *Journal of Education and Practice*, 150-155.
- Harmer, J. (1998). *How to Teach English: An Intoduction to The Practice of English Language Teaching.* New York: Longman.
- Haupin, R. (2016). Improving Receptive Oral Language Skills of English Language Learners to Enhance Achievement in Reading Recovery.
- Hockly, N., Dudeney, G., & Pegrum, &. M. (2014). *Digital Literacies*. Harlow: Pearson (electronic).

John Maloney, L. B. (2004). Scartch: A Sneak Preview.

Johnson, P. (20019). The 21st Century Skills Movement. Educational Leadership.

- JP, G. (2013). Games for learning. Educational Horizons, 16-20.
- Kamel, E. B.-J.-S. (2010). Artificial Intelligence As A Design Variable of Cooperative Electronic Learning and Its Effect on Developing The Cognitive Achievement of Educational Situational Designs by Education Technology Students. 212-257.
- Kapp, K. M. (2012). *ThGamification of Learning and Instruction: Game-based Methods and Strategies for Training and Education*. John Wiley & Sons.

Kiryakova, G., Angelove, N., & Yordanova, L. (2014). Gamification in Education.

- Kunpitak, P. (2018, December). The Flipped Classroom in 21st Century Learning For Development of Learning Skills Algorithm Analysis of Basic Programming C Language. *Indonesian Journal of Informatics Education*, 2(2), 77-84. doi:10.20961/ijie.v2i2.24402
- Lotze, N. (2016). *Chatbots Eine linguistische Analyse*. Hamburg: Peter Lang Edition.
- Luoma, S. (2009). Assessing Speaking. Cambride: Cambridge University.
- Manches, A., & Plowman, L. (2015, November 13). Computing Education in Children's Early Years: A Call for Debate. *British Journal of Educational Technology*, 48(1), 191-201. doi:https://doi.org/10.1111/bjet.12355

- Mehrnas Fahimirad, S. S. (2018, December). A Review on Application of Artificial Intelligence in Teaching and Learning in Educational Contexts. *International Journal of Learning and Development*, 8. doi:10.5296/ijld.v8i4.14057
- Moleong, L. J. (2013). *Metodologi Penelitian Kualitatif*. Bandung: PT. Remaja RodaKarya.
- Mukhallafi, T. R. (2020). Using Artificial Intelligence for Developing English
  Language Teaching/Learning: An Analytical Study from University
  Students' Perspective. International Journal of English Linguistics.
  doi:10.5539/ijel.v10n6p40
- Nicola Hockly, Gavin Duduney, Mark Pegrum. (2013). *Digital Literacies*. Harlow (electronic): Pearson.
- Nilsson, N. J. (2014). *Principles of Artificial Intelligence*. Burlington: Morgan Kaufman.
- Omidvar, M. B. (2014, April). Technology In Teaching Speaking Skill. Acme International Journal of Multidisciplinary Research, II(IV).
- Omidvar, M. B. (2014). Technology in Teaching Speaking Skill. Acem International Journal of Multidisciplinary, 9-13.
- Parveen, B. W. (2016). Use of Technology in Improving Speaking Skill. Journal of English Language and Literature (JOELL), 3(2), 121-124.
- Poonpon, K. (2017). Enhancing English Skills through Projet-Based Learning. *The English Teacher*, XI, 1-10.
- Radwan, Z. M. (2017). Artificial Intelligence and Its Impact on Development. Retrieved from http://multaqaasbar.com/index.php
- Renninger, S. H. (2006). The Four-Phase Model of Interest Development. *Educational Psychologist*, 111-127. doi:https://doi.org/10.1207/s15326985ep4102\_4
- Richard, J. C. (1999). *Approaches and Method in Language Teaching: Communicative Language Teaching*. Cambridge University Press.
- Sebastian Deterding, D. D. (2011). From Game Design Elements to Gamefulness: Defining "Gamification". doi:http://doi.acm.org/10.1145/2181037.2181040

- Shabakah, N. S. (2012). Artificial Intelligence and The Logic of Representing Knowledge. *The Logic of Multiple-Component Material*, 19-33.
- Silvia, E. (2009). Measuring Skills for 21st-century Learning. *Phi Dhelta Kappan*, 630-634. doi:https://doi.org/10.1177/003172170909000905
- Smith, M. (2016). *the White House*. Retrieved from https://obamawhitehouse.archives.gov/blog/2016/01/30/computer-science-all.
- Stuart Rusell, P. N. (2003). Artificial Intelligence: A Modern Approach. Pearson Education.
- Suzanne Hidi, K. A. (2006). The Four-Phase Model of Interest Development. *Educational Psychologist*, 111-127. doi:10.1207/s15326985ep4102\_4

Verschoor, V. S. (2017). Coding and English Language Teaching. *The Electric Journal for English as a Second Language*.

