## **DAFTAR REFERENSI**

- Abad-Segura, Emilio, Mariana-Daniela González-Zamar, Antonio Luque-de la Rosa, and María Belén Morales Cevallos. "Sustainability of Educational Technologies: An Approach to Augmented Reality Research." *Sustainability*, 2020: 4091.
- Alessa T, S Hawley M, Alsulamy N, de Witte L. "Using a Commercially Available App for the Self-Management of Hypertension: Acceptance and Usability Study in Saudi Arabia." *JMIR mHealth and uHealth*, 9(2), e24177, 2021.
- Alqurashi, Emtinan. "What do students engage with the most? A comparative study between high and low achieving students within online learning environments." *Open Learning: The Journal of Open, Distance and e-Learning, 37:3*, 2020: 219-234.
- APA. American Psychological Association. n.d. https://dictionary.apa.org/one-shot-case-study (accessed 11 5, 2022).
- Arul Leena Rose. P. J, Ananthi Claral Mary. "Accelerating the Move Towards Online Learning Through Cloud Platforms in Higher Education." *IJIM Vol. 15, No. 10*, 2021: 33-48.
- Assunção, Hugo & Lin, Su-Wei & Sit, Pou Seong & Cheung, Kwok-cheung & Harju-Luukkainen, Heidi & Smith, Thomas & Maloa, Benvindo & Campos, Juliana & Stepanovic Ilic, Ivana & Esposito, Giovanna & Freda, Maria & Maroco, João. . "University Student Engagement Inventory (USEI): Transcultural Validity Evidence Across Four Continents." *Frontiers in Psychology* 10(2796), 2020: 1-12.
- Awoke, Amanuel & Burbelo, Hugo & Childs, Elizabeth & Mohammad, Ferzam & Stevens, Logan & Rewkowski, Nicholas & Manocha, Dinesh. . "An Overview of Enhancing Distance Learning Through Augmented and Virtual Reality Technologies." *Human-Computer Interaction*, 2021: 4.
- Ayiro, Laban P. A Functional Approach to Educational Research Methods and Statistics: Qualitative, Quantitative, and Mixed Methods Approaches. New York: Edwin Mellen Press, 2012.
- Belawati, Tian, Ginting, Ginta, Karnedi, Daryono, Nurcholis, Chanif, Darojat, Ojat, Sembiring, Maximus Gorky, Muktiyanto, Ali, Suciati. *PENDIDIKAN TERBUKA UNTUK INDONESIA EMAS UNIVERSITAS TERBUKA Dewan Guru Besar Universitas Terbuka*. Tangerang Selatan: Universitas Terbuka Kementerian Pendidikan dan Kebudayaan, 2020.
- Belawati, Tian, Pembelajaran Online. *Pembelajaran Online*. Tangerang Selatan: Universitas Terbuka, 2019.
- Berg, Dr. Geesje van den. "Context Matters: Student Experience of Interaction in Open Distance Learning." *Turkish Online Journal of Distance Education-TOJDE October ISSN 1302-6488 Volume: 21 Number: 4 Article 13*, 2020: 223-236.

- Bertiz, Y. & Kocaman Karoğlu, A. "Distance education students" cognitive flexibility levels and distance education motivations." *International Journal of Research in Education and Science (IJRES)*, 6(4), 2020: 638-648.
- Billanes, Joy, Enevoldsen, Peter . "A critical analysis of ten influential factors to energy technology acceptance and adoption." *Energy Reports, Vol* 7, 2021: 6899-6907.
- Boonbrahm, Salin & Boonbrahm, Poonpong & Kaewrat, Charlee & Pengkaew, Prasert & Khachorncharoenkul, Prathomjit. "Teaching Fundamental Programming Using Augmented Reality. International Journal of Interactive Mobile Technologies (iJIM)." *Teaching Fundamental Programming Using Augmented Reality.*International Journal of Interactive Mobile Technologies (iJIM), 2019.
- Bozkurt, A. In *From Distance Education to Open and Distance Learning: A Holistic Evaluation of History, Definitions, and Theories.*, by & G. Kurubacak (Eds.) S. Sisman-Ugur, 252-273. Hershey, PA: IGI Global, 2019.
- Bozkurt, Aras, and Olaf Zawacki-Richter. "Trends and Patterns in Distance Education (2014–2019): A Synthesis of Scholarly Publications and a Visualization of the Intellectual Landscape." *The International Review of Research in Open and Distributed Learning 22, no. 2*, 2021: 18-45.
- Çakiroğlu, Ünal, Mehmet Kokoç, Seyfullah Gökoğlu, Mücahit Öztürk, And Fatih Erdoğdu. "An Analysis of The Journey Of Open And Distance Education: Major Concepts And Cut off Points In Research Trends." *The International Review of Research In Open And Distributed Learning Vol.20*, 2019.
- Capone, R., & Lepore, M. "From Distance Learning to Integrated Digital Learning: A Fuzzy Cognitive Analysis Focused on Engagement, Motivation, and Participation During COVID-19 Pandemic." *Technology, Knowledge and Learning, 1–31.*Advance online publication, 2021.
- Çetin, H., Türkan, A. "The Effect of Augmented Reality based applications on achievement and attitude towards science course in distance education process." *Educ Inf Technol*, 2021.
- Chang, Yuh-Shihng. "Applying the ARCS Motivation Theory for the Assessment of AR Digital Media Design Learning Effectiveness." *Sustainability 13, no. 21*, 2021.
- Chen, Y., Wang, Qing & Chen, Hong & Song, Xiaoyu & Tang, Hui & Tian, Mengxiao. "An overview of augmented reality technology." *Journal of Physics: Conference Series*, 2019.
- Cheng, C., Lay, K., Hsu, Y., Tsai, Y.. "Can Likert scales predict choices? Testing the congruence between using Likert scale and comparative judgment on measuring attribution." *Methods in Psychology, 5 Edition*, 2021.
- Chlebusch, J., Köhler, I., & Stechert, C. "Reasonable Application of Augmented Reality in Engineering Education." *Proceedings of the Design Society: DESIGN Conference, Vol.1*, 2020: 1677-1686.
- Creswell, John W. & Creswell, J. David. *Research Design Quantitative, Qualitative, and Mixed Methods Approaches, Fifth Edition.* California: SAGE Publication, Inc, 2018.

- Czerkawski, Betül, and Margherita Berti. . "Learning Experience Design for Augmented Reality." *Research in Learning Technology Vol.29*, 2021.
- Daher W, Sabbah K, Abuzant M. "Effective engagement of Higher Education Students in an Online Course." *Emerging Science Journal, Vol 5* (545-558), 2021: 545-558.
- Eldokhny, Amany & Drwish, Amr. "Effectiveness of Augmented Reality in Online Distance Learning at the Time of the COVID-19 Pandemic." *International Journal of Emerging Technologies in Learning (iJET).* 16, 2021: 198-218.
- Elmqaddem, N. "Augmented Reality and Virtual Reality in Education. Myth or Reality?" International Journal Of Emerging Technologies In Learning (IJET), 14(03), 2019: 234-242.
- Ester van Laar, Alexander J.A.M. van Deursen, Jan A.G.M. van Dijk, Jos de Haan. "Measuring the levels of 21st-century digital skills among professionals working within the creative industries: A performance-based approach." *Poetics*, 2020: 1-14.
- Fombona, Javier, Pascual, María Angeles, Ferra, Miguel Pérez. "Analysis of the educational impact of M-learning and related scientific research." *Journal of New Approaches in Educational Research*, 2020: 167-180.
- Forminykh, M., Wild, F., Klamma, R., Billinghurst, M., Costiner, L.S., Karsakov, A., Mangina, Eleni, Molka-Danielsen, Judith, Pollock, Ian, Preda, Marius, Smolic, Aljosa. "Model Augmented Reality Curriculum." *ITiCSE-WGR '20: Proceedings of the Working Group Reports on Innovation and Technology in Computer Science Education*, 2020: 131-149.
- Fuentes, Juan L. "Augmented Reality and Pedagogical Anthropology: Reflections from the Philosophy of Education: Reflections on Its Contribution to Knowledge Formation." In *Augmented Reality: Reflections on Its Contribution to Knowledge Formation*, by Walter de Gruyter GmbH & Co KG José María Ariso, 255-272. Berlin, Boston: De Gruyter, 2017.
- Ghanbarzadeh, Reza & Ghapanchi, Amir H. "Antecedents and Consequences of User Acceptance of Three-Dimensional Virtual Worlds in Higher Education." *Journal of information technology education*, Vol.19, 2019: 855-859.
- Gómez-García, Gómez-García, Gerardo, Francisco-Javier Hinojo-Lucena, Santiago Alonso-García, and José-María Romero-Rodríguez. "Mobile Learning in Pre-Service Teacher Education: Perceived Usefulness of AR Technology in Primary Education." *Education Sciences 11, no. 6: 275*, 2021: 1-9.
- Hanham, José, Lee, Chwee Beng, Teo, Timothy . "The influence of technology acceptance, academic self-efficacy, and gender on academic achievement through online tutoring." *Computers & Education, Vol. 172*, 2021.
- Harst L, Lantzsch H, Scheibe M. "Theories Predicting End-User Acceptance of Telemedicine Use: Systematic Review." *J Med Internet Res*, 2019.
- Hoehn, Jessica & Fox, Michael & Werth, Alexandra & Borish, Victoria & Lewandowski, Heather. "Remote advanced lab course: A case study analysis of open-ended projects." *Physical Review Physics Education Research. Vol 17*, 2021.

- Huang, Hsiu-Mei, Liaw, Shu-Sheng. "A case study of learners' motivation and intention to use augmented reality learning system." *Future Information Engineering*, 2014: 995-1002.
- Indrawan, R, Yaniawati, R.P. *Metodologi Penelitian Kuantitaif, Kualitatif, dan Campuran untuk Manajemen, Pembangunan dan Pendidikan*. Bandung: Refika Aditama, ISBN 9786037948884, 2014.
- Kairu, Caroline. "Augmented Reality and Its Influence on Cognitive Thinking in Learning." *American Journal of Educational Research*, Vol.9, 2021: 504-512.
- Karagozlu, Damla, Nikolay N. Kosarenko, Olga V. Efimova, and Vadim V. Zubov. ""Identifying Students' Attitudes Regarding Augmented Reality Applications in Science Classes". "International Journal of Emerging Technologies in Learning (iJET) 14, no. 22, 2019: 45–55.
- Kazanidis, Ioannis & Pellas, Nikolaos. "Developing and Assessing Augmented Reality Applications for Mathematics with Trainee Instructional Media Designers: An Exploratory Study on User Experience." *Journal Of Universal Computer Science*. *Vol* 25, 2019: 489-514.
- Khan, Tasneem & Johnston, Kevin & Ophoff, Jacques. "The Impact of an Augmented Reality Application on Learning Motivation of Students." *Advances in Human-Computer Interaction*, 2019: 1-14.
- Kim, J.C.; Laine, T.H.; Åhlund, C. "Multimodal Interaction Systems Based on Internet of Things and Augmented Reality: A Systematic Literature Review." *Appl. Sci., Vol* 11, 1738, 2021.
- Kiryakova, Gabriela. "The Immersive Power of Augmented Reality." 100-120. 2020.
- Koçak, Ö., Yılmaz, R. M., Küçük, S., & Göktaş, Y. "The Educational Potential of Augmented Reality Technology: Experiences of Instructional Designers and Practitioners." *Journal of Education and Future, Vol.15*, 2019: 17-36.
- Koranteng, Felix & Wiafe, Isaac & Kuada, Eric. "An Empirical Study of the Relationship Between Social Networking Sites and Students' Engagement in Higher Education." *Journal of Educational Computing Research.*, 2019.
- Larson, Benjamin E., Bohler, Jeffrey A., Krishnamoorthy, Anand. "Innovative Pedagogical Strategies of Streaming, Just-in-time Teaching, and Scaffolding: A Case Study of using Videos to add Business Analytics Instruction Across a Curriculum." *Journal of Information Technology Education: Innovations in Practice, Vol.20*, 2021: 1-19.TESISI
- Lazim, Lazrina C.S., Nurhazwani Ismail and Mohd Danial Afiq Bin Khamar Tazilah.

  "Application Of Technology Acceptance Model (TAM) Towards Online
  Learning During Covid-19 Pandemic: Accounting Students Perspective."

  International Journal of Business, Economics and Law, Vol. 24, Issue 1, 2021: 13-20.
- Lee, Silvia Wen-Yu & Shih, Meilun & Liang, Jyh-Chong & Tseng, Yi-Chen.

  "Investigating learners' engagement and science learning outcomes in different

- designs of participatory simulated games." *British Journal of Educational Technology*. *Vol* 52, 2021: 1197-1214.
- Lin, Shu Hsu, Lee, Hsing-Chen, Chang, Ching-Ter, James Fu, Changjui. "Behavioral intention towards mobile learning in Taiwan, China, Indonesia, and Vietnam." *Technology in Society, Vol* 63, 2020.
- Luse, Andy & Rursch, Julie. "Using a virtual lab network testbed to facilitate real-world hands-on learning in network in a networking course. British Journal of Educational Technology, Volume 51, Issue 3." *British Journal of Educational Technology, Volume 51, Issue 3*, 2021: 1244-1261.
- M.D. Abdulrahaman, N. Faruk, A.A. Oloyede, N.T. Surajudeen-Bakinde, L.A. Olawoyin, O.V. Mejabi, Y.O. Imam-Fulani, A.O. Fahm, A.L. Azeez,. "Multimedia tools in the teaching and learning processes: A systematic review." *Heliyon, Volume 6, Issue 11*, 2020: 1-14.
- Macariu, Camelia; Iftene, Adrian; Gîfu, Daniela. "Learn chemistry with augmented reality." *Procedia Computer Science*, 2020: 2133-2142.
- Marcel, F. "Mobile Augmented Reality Learning Objects in Higher Education." *Research in Learning Technology, Vol* 27, 2019.
- Mclean, Graeme & Alan, Wilson. "Shopping in the digital world: Examining customer engagement through augmented reality mobile applications." *Computers in Human Behavior, Volume 101*, 2019: 210-224.
- Melissa Bond, Katja Buntins, Svenja Bedenlier, Olaf Zawacki-Richter, Michael Kerres. "Mapping research in student engagement and educational technology in higher education: a systematic evidence map." *International Journal of Educational Technology in Higher Education 17(1)*, 2020: 1-30.
- Merkus, Erik &. "The role of in-person tutorials in higher education." *Economics Letters*, *Vol* 201, 2021.
- Mohd Yusof, Suhaili & Md Nawi, Sofwah & Sain, Noridah & Kamaludin, Puteri.
  "Factors Affecting Students' Learning Engagement in ODL." *Conference:*International E-Conference on New Normal in Education, 2021.
- Muñoz-Saavedra, Luis, Lourdes Miró-Amarante, and Manuel Domínguez-Morales. .

  "Augmented and Virtual Reality Evolution and Future Tendency." *Applied Sciences 10, no. 1: 322,* 2020.
- Nafsiah, Siti, interview by Kristina A Aji. *Penggunaan Augmented Reality TPEN4314* (12 6, 2020).
- Nawi, S. M., Yusof, S. M., Kamaludin, P. N. H., Sain, N. "Exploring Malaysian Tertiary Students' Behavioural, Cognitive, Emotional and Social Engagement and Disengagement in ODL." *International Journal of Academic Research in Business and Social Sciences, Vol* 11 (4), 2021: 1296–1311.
- Nesenbergs, Krisjanis, Valters Abolins, Juris Ormanis, and Artis Mednis. "Use of Augmented and Virtual Reality in Remote Higher Education: A Systematic Umbrella Review" ." *Education Sciences 11, no. 1: 8,* 2021.

- Nguyen, Hong Thu Thi. "Boosting Motivation to Help Students to Overcome Online Learning Barriers in Covid-19 Pandemic: A Case Study." *International Journal of Interactive Mobile Technologies, Volume 15, Issue 10*, 2021: 4-20.
- Ntaba, Afika & Jantjies, Mmaki. "Open Distance Learning and Immersive Technologies: A Literature Analysis." In *Ifenthaler, D., Sampson, D.G., Isaías, P. (eds)*Balancing the Tension between Digital Technologies and Learning Sciences.

  Springer, Cham, 2019.
- Nurcholis, Chanif. "Model Pelayanan Pendidikan Terbuka dan Jarak Jauh sebagai Bentuk Pelayanan Publik, ." In *Pendidikan Terbuka Untuk Indonesia Emas*, by Chanif Nurcholis, 117-135. Tangerang Selatan: Universitas Terbuka, 2020.
- Nurfiyati & Indawati, N. . "Learning Motivation, Media, and Reading Ability on Student Achievement." *Social Science Proceedings of the 5th Asian Education Symposium 2020 (AES 2020), publisher Atlantis Press*, 2021: 130-134.
- Nuryadi, Astuti, T.D., Utami, E.S., Budiantara, M. *Dasar-Dasar Statistika Penelitian*. Yogyakarta: Universitas Mercu Buana, 2017.
- Obienu, A. C. & Amadin, F. I. "User acceptance of learning innovation: A structural equation modelling based on the GUAM framework." *Education and Information Technologies*, 2021: 2091-2123.
- Padmo, D., Sri Ardiasih, L., & Idrus, O. "Online Learning During the Covid-19 Pandemic and Its Effect on Future Education in Indonesia." *In Ljupka Naumovska (Ed.), The Impact of COVID19 On the International Education System*, 2020: 71-86.
- Papaconstantinou, Maria, Dawn Kilkenny, Christopher Garside, William Ju, Hedieh Najafi, and Laurie Harrison. "Virtual Lab Integration in Undergraduate Courses: Insights from Course Design and Implementation." *Canadian Journal of Learning and Technology* 46, 2021.
- Papakostas, Christos & Troussas, Christos & Krouska, Akrivi & Sgouropoulou, C. "Exploration of Augmented Reality in Spatial Abilities Training: A Systematic Literature Review for the Last Decade." *Informatics in Education*. 20., 2021: 107-130.
- Paulsen, J., & McCormick, A.C. . "Reassessing Disparities in Online Learner Student Engagement in Higher Education." *Educational Researcher*, Vol. 49, 2020: 20 -29.
- Perraton, Hilary. "A Theory for Distance Education." In *Distance Education*. Routledge, 1988.
- Radu, I., Schneider B. "What can we learn from augmented reality (AR)? Benefits and Drawbacks of AR for Inquiry-based Learning of Physics." *Conference on Human Factors in Computing Systems*, 2019.
- Romero-Rodríguez, José-María, Inmaculada Aznar-Díaz, Francisco-Javier Hinojo-Lucena and María-Pilar Cáceres-Reche. "Models of good teaching practices for mobile learning in higher education."." *Palgrave Communications* 6, 2020: 1-7.

- Sáez-López, José Manuel, Cózar-Gutiérrez, Ramón, González-Calero, José Antonio, Carrasco, Cosme J.Gómez. "Augmented reality in higher education: An evaluation program in initial teacher training." *Education Sciences, Vol.10*, 2020.
- Salazar, Camilo, Montoya-Múnera, Edwin, Aguilar, Jose . "Analysis of different affective state multimodal recognition approaches with missing data-oriented to virtual learning environments." *Heliyon, Volume 7, Issue 6*, 2021.
- Santoso, Harry B., Schrepp, Martin, Isal, R. Yugo Kartono, Utomo, Andika Y., Priyogi, Bilih. "Measuring User Experience of the Student-Centered e-Learning Environment." *The Journal of Educators Online-JEO*, 2016.
- Sdravopoulou, Konstantina, Juan M. Muñoz González, and María D. Hidalgo-Ariza.

  "Assessment of a Location-Based Mobile Augmented-Reality Game by Adult Users with the ARCS Model." *Applied Sciences 11, no. 14*, 2021.
- Silalahi, Uber. Metode Penelitian Sosial. Bandung: Refika Aditama, 2012.
- Simons, Joan & Leverett, Stephen & Beaumont, Kythe. "Success of distance learning graduates and the role of intrinsic motivation." *Open Learning: The Journal of Open, Distance and e-Learning.* 35, 2019: 1-17.
- Siregar, Syofian. *Metode Penelitian Kuantitatif: Dilengkapi Perbandingan Perhitungan Manual dan SPSS*. Jakarta: Kencana Prenadamedia Group, 2013.
- Smith, Chase, Frie, Carolyn J. "Development and use of augmented reality models to teach medicinal chemistry." *Pharmacy Teaching and Learning 13*, 2021: 1010–1017.
- Snijders, Ingrid & Wijnia, Lisette & Rikers, Remy & Loyens, Sofie. "Building bridges in higher education: Student-faculty relationship quality, student engagement, and student loyalty." *International Journal of Educational Research*. 100, 2020.
- Soltis, Nicholas A., McNeal, Karen S., Atkins, Rachel M. & Maudlin, Lindsay C. . "A novel approach to measuring student engagement while using an augmented reality sandbox, ." *Journal of Geography in Higher Education*, 44:4, 2020: 512-531.
- Sorko, Sabrina R., Brunnhofer, M. "Potentials of Augmented Reality in Training." *Procedia Manufacturing*, 2019: 85-90.
- Stefaniak, J., & Xu, M. "Leverage dynamic decision making and environmental analysis to support authentic learning experiences in digital environments." *Journal of Distance Education (RED)*, 20 (64), 2020.
- Suparman, M.A. *Teknologi Pendidikan Dalam Pendidikan Jarak Jauh; Konsep Dasar Teknologi Pendidikan, hal 1-33* . Tangerang Selatan: Universitas Terbuka, 2019.
- Suryaman M., Budhi Santoso D., Natasha Rahma F., Fitrian. "Students' Engagement through Augmented Reality as Learning Media: A Study of Electrical Engineering Students." *Palarch's Journal Of Archaeology Of Egypt/Egyptology* 17 (6), 2020.
- Thees, Michael, Kapp, Sebastian, Strzys Martin P., Beil, Fabian, Lukowicz, Paul, Kuhn, Jochen. "Effects of augmented reality on learning and cognitive load in

- university physics laboratory courses." Computers in Human Behavior, Volume 108, 106316, 2020.
- Tsai, Cheng Chang. "The effects of augmented reality to motivation and performance in EFL vocabulary learning." *International Journal of Instruction*, 2020: 987-1000.
- Uriel, C., Sergio, S., Carolina, G., Mariano, G., Paola, D., Martín, M. "Improving the understanding of Basic Sciences concepts by using Virtual and Augmented Reality." *Procedia Computer Science*, 2020: 389-392.
- Usman, M & Suyanta, & Huda, K. "Virtual lab as distance learning media to enhance student's science process skill during the COVID-19 pandemic. ." *Journal of Physics: Conference Series. 1882. 012126.*, 2021.
- Verkijika, Silas Formunyuy. "Understanding the Acceptance and Use of M-Learning Apps by Entrepreneurs: An Application of the Social-Cognitive and Motivational Theories." *Inf. Resour. Manag. J* 32 (4), 2019: 42–55.
- Viscione, Ilaria, D'Elia, Francesca. "Augmented Reality for Learning in Distance Education: The Case of E-Sports." *Journal of Physical Education and Sport* ® (*JPES*), Vol.19 (Supplement issue 5), Art 304, 2019: 2047-2050.
- Wen, Y. "Augmented reality enhanced cognitive engagement: designing classroom-based collaborative learning activities for young language learners." *Education Tech Research Dev* 69, 2021: 843–860.
- Wibawa B., Mahdiyah, Afgani. In *Metodologi Penelitian Pendidikan*, by Basuki Wibawa. Jakarta: Universitas Terbuka, 2020.
- Yengui, Mohamed Habib, and Carsten Stechert. "On The Activation Of Students Through Augmented Reality Experiences." *International Conference On Engineering Design*, 2021: 2307-2316.
- Yudiaatmaja, Fridayana. *Analisis Regresi dengan Menggunakan Aplikasi Komputer Statistik SPSS*. Jakarta: Gramedia Pustaka Utama, 2013.
- Yuliara, I.M. "Modul Regresi Linier Berganda." Universitas Udayana, 2016.
- Zaineldeen, Samar & Li, Hongbo & Koffi, Aka & Mohammed, Bilal. "Technology Acceptance Model' Concepts, Contribution, Limitation, and Adoption in Education." *Universal Journal of Educational Research.* 8., 2020: 5061-5071.