DAFTAR PUSTAKA

Abykanova, B., Nugumanova, S., Yelezhanova, S., Kabylkhamit, Z., & Sabirova, Z. (2016). The use of interactive learning technology in institutions of higher learning. *International Journal of Environmental and Science Education*, *11*(18), 12528–12539.

Aggarwal, R., & Singhal, A. (2019). Augmented Reality and its effect on our life. *2019 9th International Conference on Cloud Computing, Data Science & Engineering (Confluence)*, 510–515. https://doi.org/10.1109/CONFLUENCE.2019.8776989

Singh, A. K., Sharma, R. C., Sharma, R. K., & Musmade, D. M. (2011). Challenges in Cadaver Availability for Learning and Research in Medical Sciences. *International Journal of Medical and Clinical Research*, *2*(2), 67–71. https://doi.org/10.9735/0976-5530.2.2.67-71

Alahmadi, D., Bitar, H., Alsaadi, H., Boker, L., & Alghamdi, L. (2021). Using Augmented Reality to Enhance Medical Education in Heart Diseases: Action Design Research. *TEM Journal*, *10*(3), 1141–1148. https://doi.org/10.18421/TEM103-18

Almaiah, M. A., & Alyoussef, I. Y. (2019). Analysis of the Effect of Course Design, Course Content Support, Course Assessment and Instructor Characteristics on the Actual Use of E-Learning System. *IEEE Access*, *7*, 171907–171922. https://doi.org/10.1109/ACCESS.2019.2956349

Bangor, A., Kortum, P., & Miller, J. (2009). Determining what individual SUS scores mean; adding an adjective rating. *Journal of Usability Studies*, *4*(3), 114–123.

Bergman, E. M., van der Vleuten, C. P. M., & Scherpbier, A. J. J. A. (2011). Why don't they know enough about anatomy? A narrative review. *Medical Teacher*, *33*(5), 403–409. https://doi.org/10.3109/0142159X.2010.536276

Billings, M. S., Deruchie, K., Hussie, K., Services, M., Kulesher, A., Editor, M., Merrell, J., Swygert, K. A., Tyson, J., Case, S. M., Haist, S., & Swanson, D. B. (2020). *CONSTRUCTING WRITTEN TEST QUESTIONS FOR THE HEALTH SCIENCES CONTRIBUTORS FROM NBME 1 Chapter 4: Item Analysis and Interpretation of Results Analysis of Item Difficulty Analysis of Item Discrimination Analysis of Item Options Comparative Analyses of Test-t. November*.

Bogomolova, K., van der Ham, I. J. M., Dankbaar, M. E. W., van den Broek, W. W., Hovius, S. E. R., van der Hage, J. A., & Hierck, B. P. (2020). The Effect of Stereoscopic Augmented Reality Visualization on Learning Anatomy and the Modifying Effect of Visual-Spatial Abilities: A Double-Center Randomized Controlled Trial. *Anatomical Sciences Education*, *13*(5), 558–567. https://doi.org/https://doi.org/10.1002/ase.1941

Bölek, K. A., De Jong, G., & Henssen, D. (2021). The effectiveness of the use of augmented reality in anatomy education: a systematic review and meta-analysis. *Scientific Reports*, *11*(1), 15292. https://doi.org/10.1038/s41598-021-94721-4

Bork, F., Barmaki, R., Eck, U., Yu, K., Sandor, C., & Navab, N. (2017). Empirical study of non-reversing magic mirrors for augmented reality anatomy learning. *Proceedings of the 2017 IEEE International Symposium on Mixed and Augmented Reality, ISMAR 2017*, 169–176. https://doi.org/10.1109/ISMAR.2017.33

Bork, F., Lehner, A., Eck, U., Navab, N., Waschke, J., & Kugelmann, D. (2021). The Effectiveness of Collaborative Augmented Reality in Gross Anatomy Teaching: A Quantitative and Qualitative Pilot Study. *Anatomical Sciences Education*, *14*(5), 590–604. https://doi.org/10.1002/ase.2016

Bork, F., Stratmann, L., Enssle, S., Eck, U., Navab, N., Waschke, J., & Kugelmann, D. (2019). The Benefits of an Augmented Reality Magic Mirror System for Integrated Radiology Teaching in Gross Anatomy. *Anatomical Sciences Education*, *12*(6), 585–598. https://doi.org/https://doi.org/10.1002/ase.1864

Brooke, J. (1995). SUS: A "Quick and Dirty" Usability Scale. *Usability Evaluation In Industry*, *July*, 207–212. https://doi.org/10.1201/9781498710411-35

Brooke, J. (2013). IUPS--a retrospective. *Journal of User Experience*, *8*(2), 29–40.

Carmigniani, J., Furht, B., Anisetti, M., Ceravolo, P., Damiani, E., & Ivkovic, M. (2011). Augmented reality technologies, systems and applications. *Multimedia Tools and Applications*, *51*(1), 341–377. https://doi.org/10.1007/s11042-010-0660-6

Casallas, A., & Quijano, Y. (2018). 3D rendering as a tool for cardiac anatomy learning in medical students. *Revista Facultad de Medicina*, *66*(4), 611–616. https://doi.org/10.15446/revfacmed.v66n4.65573

Chia, T., & Oyeniran, O. (2019). Anatomy Education in Nigeria: Challenges and Prospects. *Journal of Contemporary Medical Education*, *9*(3), 61. https://doi.org/10.5455/jcme.20190531113058

Chytas, D., Johnson, E. O., Piagkou, M., Mazarakis, A., Babis, G. C., Chronopoulos, E., Nikolaou, V. S., Lazaridis, N., & Natsis, K. (2020). The role of augmented reality in Anatomical education: An overview. *Annals of Anatomy*, *229*, 151463. https://doi.org/10.1016/j.aanat.2020.151463

Craig, S., Tait, N., Boers, D., & McAndrew, D. (2010). Review of anatomy education in Australian and New Zealand medical schools. *ANZ Journal of Surgery*, *80*(4), 212–216. https://doi.org/https://doi.org/10.1111/j.1445-2197.2010.05241.x

Dahleez, K., El Saleh, A., Al Alawi, A., & Fattah, F. (2021). E-Learning System Usability and Learning Outcomes: The role of Teacher Behavior & Online Engagement. *Academy of Management Proceedings*, *2021*(1), 12463. https://doi.org/10.5465/AMBPP.2021.12463abstract

Davids, M. R., Chikte, U. M. E., & Halperin, M. L. (2015). Effect of improving the usability of an e-learning resource: A randomized trial. *Advances in Physiology Education*, *38*(2), 155–160. https://doi.org/10.1152/advan.00119.2013

Definition of anatomy - NCI Dictionary of Cancer Terms - NCI. (n.d.). Retrieved December 23, 2022, from https://www.cancer.gov/publications/dictionaries/cancer-terms/def/anatomy

Designs for Experiments. (n.d.). Retrieved December 20, 2022, from https://home.csulb.edu/~msaintg/ppa696/696exper.htm

Donald, J. G. (1983). Knowledge Structures. *The Journal of Higher Education*, *54*(1), 31–41. https://doi.org/10.1080/00221546.1983.11778150

Dorland, W. A. N. (2011). *Dorland's Illustrated Medical Dictionary* (32nd ed.). Saunders/Elsevier.

Duarte, M. L., Santos, L. R., Guimarães Júnior, J. B., & Peccin, M. S. (2020). Learning anatomy by virtual reality and augmented reality. A scope review. *Morphologie*, *104*(347), 254–266. https://doi.org/10.1016/J.MORPHO.2020.08.004

Duncan-Vaidya, E. A., & Stevenson, E. L. (2021). The Effectiveness of an Augmented Reality Head-Mounted Display in Learning Skull Anatomy at a Community College. *Anatomical Sciences Education*, *14*(2), 221–231. https://doi.org/10.1002/ase.1998

Estai, M., & Bunt, S. (2016). Best teaching practices in anatomy education: A critical review. *Annals of Anatomy - Anatomischer Anzeiger*, *208*, 151–157. https://doi.org/https://doi.org/10.1016/j.aanat.2016.02.010

Febretti, A., & Garzotto, F. (2009). Usability, playability, and long-term engagement in computer games. *Conference on Human Factors in Computing Systems - Proceedings*, *November 2014*, 4063–4068. https://doi.org/10.1145/1520340.1520618

Ferrer-Torregrosa, J., Torralba, J., Jimenez, M. A., García, S., & Barcia, J. M. (2015). ARBOOK: Development and Assessment of a Tool Based on Augmented Reality for Anatomy. *Journal of Science Education and Technology*, *24*(1), 119–124. https://doi.org/10.1007/s10956-014-9526-4

Furht, B. (Ed.). (2006). *Augmented Reality BT - Encyclopedia of Multimedia* (pp. 29–31). Springer US. https://doi.org/10.1007/0-387-30038-4_10

Galloway, A. (2005). *Non-Probability Sampling* (K. B. T.-E. of S. M. Kempf-Leonard, Ed.; pp. 859–864). Elsevier. https://doi.org/https://doi.org/10.1016/B0-12-369398-5/00382-0

Gama Cardiac AR – ARUTALA. (n.d.). Retrieved December 20, 2022, from https://www.arutala.id/ar/gama-cardiac-ar-2/

Chan, L. K., & Pawlina, W. (2016). Teaching Anatomy. In *Academic Medicine* (Vol. 91, Issue 10). https://doi.org/10.1097/acm.0000000000001339

Golshani, N., Mehraban, B., Rashidi, I., Salari, N., & C., J. (2018). Factors Affecting Anatomy Learning from the Viewpoints of Medical Students at Basic Sciences Stage. *Educational Research in Medical Sciences*, *7*(2), e79407. https://doi.org/10.5812/erms.79407

Hall, J. E., & Guyton, A. C. (2016). *Guyton and Hall Textbook of Medical Physiology* (13th ed.). Elsevier Inc.

Hamidy Hazidar, A., & Sulaiman, R. (2014). Visualization Cardiac Human Anatomy using Augmented Reality Mobile Application. *International Journal of Electronics Communication and Computer Engineering ISSN*, *5*(3Online), 2249–2271.

Hasibuan, D. P., Santoso, H. B., Yunita, A., & Rahmah, A. (2020). An Indonesian Adaptation of the E-Learning Usability Scale. *Journal of Physics: Conference Series*, *1566*(1). https://doi.org/10.1088/1742-6596/1566/1/012051

Holdener, M., Gut, A., & Angerer, A. (2020). Applicability of the User Engagement Scale to Mobile Health: A Survey-Based Quantitative Study. *JMIR MHealth and UHealth*, *8*(1), e13244. https://doi.org/10.2196/13244

Ibetsam, H. (2006). The effect of motivation, family environment, and student characteristics on academic achievement. *Journal of Instructional Psychology.*, *1991*, 1–12.

Jain, N., Youngblood, P., Hasel, M., & Srivastava, S. (2017). An augmented reality tool for learning spatial anatomy on mobile devices. *Clinical Anatomy*, *30*(6), 736–741. https://doi.org/https://doi.org/10.1002/ca.22943

Jamali, S. S., Shiratuddin, M. F., Wong, K. W., & Oskam, C. L. (2015). Utilising Mobile-Augmented Reality for Learning Human Anatomy. *Procedia - Social and Behavioral Sciences*, *197*(February), 659–668. https://doi.org/10.1016/j.sbspro.2015.07.054

Karray, F., Alemzadeh, M., Saleh, J. A., & Arab, M. N. (2008). Human-Computer Interaction: Overview on State of the Art. *International Journal on Smart Sensing and Intelligent Systems*, *1*(1), 137–159. https://doi.org/doi:10.21307/ijssis-2017-283

Kesim, M., & Ozarslan, Y. (2012). Augmented Reality in Education: Current Technologies and the Potential for Education. *Procedia - Social and Behavioral Sciences*, *47*(222), 297–302. https://doi.org/10.1016/j.sbspro.2012.06.654

Khalid, F., Ali, A. I., Ali, R. R., & Bhatti, M. S. (2019). AREd: Anatomy learning using augmented reality application. *2019 International Conference on Engineering and Emerging Technologies, ICEET 2019*. https://doi.org/10.1109/CEET1.2019.8711843

Kiely, R., Sandmann, L. R., & Truluck, J. (2004). Adult learning theory and the pursuit of adult degrees. *New Directions for Adult and Continuing Education*, *2004*(103), 17–30. https://doi.org/10.1002/ace.145

Kiourexidou, M., Natsis, K., Bamidis, P., Antonopoulos, N., Papathanasiou, E., Sgantzos, M., & Veglis, A. (2015). Augmented Reality for the Study of Human Heart Anatomy. *International Journal of Electronics Communication and Computer Engineering*, *6*(6), 658.

Küçük, S., Kapakin, S., & Göktaş, Y. (2016). Learning anatomy via mobile augmented reality: Effects on achievement and cognitive load. *Anatomical Sciences Education*, *9*(5), 411–421. https://doi.org/10.1002/ase.1603

Kugelmann, D., Stratmann, L., Nühlen, N., Bork, F., Hoffmann, S., Samarbarksh, G., Pferschy, A., von der Heide, A. M., Eimannsberger, A., Fallavollita, P., Navab, N., & Waschke, J. (2018). An Augmented Reality magic mirror as additive teaching device for gross anatomy. *Annals of Anatomy - Anatomischer Anzeiger*, *215*, 71–77. https://doi.org/https://doi.org/10.1016/j.aanat.2017.09.011

Kurniawan, M. H., Suharjito, Diana, & Witjaksono, G. (2018). Human Anatomy Learning Systems Using Augmented Reality on Mobile Application. *Procedia Computer Science*, *135*, 80–88. https://doi.org/10.1016/j.procs.2018.08.152

Lee, Y. H., Lee, Y.-M., Kwon, S., & Park, S.-H. (2011). Reactions of First-Year Medical Students to Cadaver Dissection and Their Perception on Learning Methods in Anatomy. *Korean J Med Educ*, *23*(4), 275–283. https://doi.org/10.3946/kjme.2011.23.4.275

Lilly, L. S. (2011). *Pathophysiology of Heart Disease* (5th ed.). Wolters Kluwer.

Lin, M. H., Chen, H. C., & Liu, K. S. (2017). A study of the effects of digital learning on learning motivation and learning outcome. *Eurasia Journal of Mathematics, Science and Technology Education*, *13*(7), 3553–3564. https://doi.org/10.12973/eurasia.2017.00744a

Liu, O. L., Bridgeman, B., & Adler, R. M. (2012). Measuring Learning Outcomes in Higher Education: Motivation Matters. *Educational Researcher*, *41*(9), 352–362. https://doi.org/10.3102/0013189X12459679

Ma, M., Fallavollita, P., Seelbach, I., Von Der Heide, A. M., Euler, E., Waschke, J., & Navab, N. (2016). Personalized augmented reality for anatomy education. *Clinical Anatomy*, *29*(4), 446–453. https://doi.org/https://doi.org/10.1002/ca.22675

McCuskey, R. S., Carmichael, S. W., & Kirch, D. G. (2005). The Importance of Anatomy in Health Professions Education and the Shortage of Qualified Educators. *Academic Medicine*, *80*(4).

Meiselwitz, G., & Sadera, W. a. (2008). Investigating the connection between usability and learning outcomes in online learning environments. *MERLOT Journal of Online Learning and Teaching*, *4*(2), 234–242.

Memon, I. K. (2009). Anatomy education faces challenges in Pakistan. *Anatomical Sciences Education*, *2*(4), 193–194. https://doi.org/https://doi.org/10.1002/ase.77

Meng, M., Fallavollita, P., Blum, T., Eck, U., Sandor, C., Weidert, S., Waschke, J., & Navab, N. (2013). Kinect for interactive AR anatomy learning. *2013 IEEE International Symposium on Mixed and Augmented Reality, ISMAR 2013*, 277–278. https://doi.org/10.1109/ISMAR.2013.6671803

Moore, K. L., Dalley, A. F., & Agur, A. M. R. (2014). *Clinically Oriented Anatomy* (7th ed.). Wolters Kluwer.

Moro, C., Birt, J., Stromberga, Z., Phelps, C., Clark, J., Glasziou, P., & Scott, A. M. (2021). Virtual and Augmented Reality Enhancements to Medical and Science Student Physiology and Anatomy Test Performance: A Systematic Review and Meta-Analysis. *Anatomical Sciences Education*, *14*(3), 368–376. https://doi.org/10.1002/ase.2049

Moro, C., Štromberga, Z., Raikos, A., & Stirling, A. (2017). The effectiveness of virtual and augmented reality in health sciences and medical anatomy. *Anatomical Sciences Education*, *10*(6), 549–559. https://doi.org/https://doi.org/10.1002/ase.1696

Mueller, D., & Strohmeier, S. (2011). Design characteristics of virtual learning environments: State of research. *Computers and Education*, *57*(4), 2505–2516. https://doi.org/10.1016/j.compedu.2011.06.017

Nørgård, C., O'Neill, L. D., Chemnitz, J., & Majgaard, G. (2019). Learning Anatomy with Augmented Reality. *Tidsskriftet Læring Og Medier (LOM)*, *12*(20). https://doi.org/10.7146/lom.v12i20.109569

Nuanmeesri, S., Kadmateekarun, P., & Poomhiran, L. (2019). Augmented reality to teach human heart anatomy and blood flow. *TOJET: The Turkish Online Journal of Educational Technology*, *18*(1), 15–24.

Papa, V., & Vaccarezza, M. (2013). Teaching Anatomy in the XXI Century: New Aspects and Pitfalls. *The Scientific World Journal*, *2013*, 310348. https://doi.org/10.1155/2013/310348

Rafique, I., Weng, J., Wang, Y., Abbasi, M. Q., Lew, P., & Wang, X. (2012). Evaluating software learnability: A learnability attributes model. *2012 International Conference on Systems and Informatics, ICSAI 2012*, *Icsai*, 2443–2447. https://doi.org/10.1109/ICSAI.2012.6223548

Romi, M. M., Arfian, N., & Sari, D. C. R. (2019). Is Cadaver Still Needed in Medical Education? *Jurnal Pendidikan Kedokteran Indonesia: The Indonesian Journal of Medical Education*, *8*(3), 105. https://doi.org/10.22146/jpki.46690

Saidin, N. F., Halim, N. D. A., & Yahaya, N. (2015). A review of research on augmented reality in education: Advantages and applications. *International Education Studies*, *13*, 1–8. https://doi.org/10.5539/ies.v8n13p1

Sajedi, A., Afzali, H., & Mahdavi, M. (2008). Improving learnability and usability of software applications. *MCCSIS'08 - IADIS Multi Conference on Computer Science and Information Systems; Proceedings of Interfaces and Human Computer Interaction 2008*, *January*, 277–281.

Sandoval, Z. V. (2017). The Development of An E-Learning Usability Scale for Higher Education. ProQuest

Serrano Vergel, R., Morillo Tena, P., Casas Yrurzum, S., & Cruz-Neira, C. (2020). A Comparative Evaluation of a Virtual Reality Table and a HoloLens-Based Augmented Reality System for Anatomy Training. *IEEE Transactions on Human-Machine Systems*, *50*(4), 337–348. https://doi.org/10.1109/THMS.2020.2984746

Shapiro, S. & Wilk, M. B. (1965). An analysis of variance test for normality (complete samples)†. *Biometrika*, *52*(3–4), 591–611. https://doi.org/10.1093/biomet/52.3-4.591

Sharfina, Z., & Santoso, H. B. (2017). An Indonesian adaptation of the System Usability Scale (SUS). *2016 International Conference on Advanced Computer Science and Information Systems, ICACSIS 2016*, 145–148. https://doi.org/10.1109/ICACSIS.2016.7872776

Sotiriou, S., & Bogner, F. X. (2008). Visualizing the Invisible: Augmented Reality as an Innovative Science Education Scheme. *Advanced Science Letters*, *1*(1).

Sugand, K., Abrahams, P., & Khurana, A. (2010). The anatomy of anatomy: A review for its modernization. *Anatomical Sciences Education*, *3*(2), 83–93. https://doi.org/https://doi.org/10.1002/ase.139

Tang, K. S., Cheng, D. L., Mi, E., & Greenberg, P. B. (2019). Augmented reality in medical education: a systematic review. *Canadian Medical Education Journal*, *11*(1), 81–96. https://doi.org/10.36834/cmej.61705

The Timing, Format and Role of Anatomical Sciences in Medical Education - International Association of Medical Science Educators - IAMSE. (n.d.). Retrieved December 23, 2022, from https://www.iamse.org/mse-article/the-timing-format-and-role-of-anatomical-sciences-in-medical-education/

Wilhelmsson, N., Dahlgren, L. O., Hult, H., Scheja, M., Lonka, K., & Josephson, A. (2010). The anatomy of learning anatomy. *Advances in Health Sciences Education : Theory and Practice*, *15*(2), 153–165. https://doi.org/10.1007/s10459-009-9171-5

Wirza, R., Nazir, S., Khan, H. U., García-Magariño, I., & Amin, R. (2020). Augmented Reality Interface for Complex Anatomy Learning in the Central Nervous System: A Systematic Review. *Journal of Healthcare Engineering*, *2020*. https://doi.org/10.1155/2020/8835544

Witte, R. S., & Witte, J. S. (2017). *Statistics* (11th ed.). Wiley Blackwell.

Wu, H.-K., Lee, S. W.-Y., Chang, H.-Y., & Liang, J.-C. (2013). Current status, opportunities and challenges of augmented reality in education. *Computers & Education*, *62*, 41–49. https://doi.org/https://doi.org/10.1016/j.compedu.2012.10.024

Yeom, S. J. (2011). Augmented reality for learning anatomy. *ASCILITE 2011 - The Australasian Society for Computers in Learning in Tertiary Education*, 1377–1383.

Zammit, C., Calleja-Agius, J., & Azzopardi, E. (2022). Augmented reality for teaching anatomy. *Clinical Anatomy*, *35*(6), 824–827. https://doi.org/https://doi.org/10.1002/ca.23920