

DAFTAR PUSTAKA

- Adams, E., & Dormans, J. (2012). *Game mechanics: advanced game design*. New Riders.
- Alberts, B., Johnson, A., Lewis, J., et al. (2002). *Molecular Biology of the Cell* (4th edition). New York: Garland Science. <https://www.ncbi.nlm.nih.gov/books/NBK26917/>
- Aksakal, N. (2015). Theoretical view to the approach of the edutainment. *Procedia-Social and Behavioral Sciences*, 186, 1232-1239. <https://doi.org/10.1016/j.sbspro.2015.04.081>
- Balloux, F., & van Dorp, L. (2017). Q&A: What are pathogens, and what have they done to and for us?. *BMC biology*, 15(1), 91. <https://doi.org/10.1186/s12915-017-0433-z>
- Baltzar, P., Hassan, L., & Turunen, M. (2023). Social accessibility in multiplayer games: Theory and praxis. *Entertainment Computing*, 47, 100592. <https://doi.org/10.1016/j.entcom.2023.100592>
- Bowditch, L., Naweed, A., Signal, T., & Chapman, J. (2024). More than just a game: Understanding how internet games are used in times of stress. *Entertainment Computing*, 49, 100617. <https://doi.org/10.1016/j.entcom.2023.100617>
- Burgess, J., & Jones, C. (2023). Exploring how players use emergent narrative in strategy games. *Entertainment Computing*, 44, 100533. <https://doi.org/10.1016/j.entcom.2022.100533>
- Centers for Disease Control and Prevention. (2021). Group A Streptococcus (group A strep). Retrieved from <https://www.cdc.gov/streplab/groupa-strep/index.html>
- Centers for Disease Control and Prevention. (2024). Key facts about influenza (flu). Retrieved from <https://www.cdc.gov/flu/about/keyfacts.htm>
- Centers for Disease Control and Prevention. (2024). Pseudomonas aeruginosa. Retrieved from <https://www.cdc.gov/pseudomonas-aeruginosa/about/index.html>
- Centers for Disease Control and Prevention. (2024). Vibrio infection. U.S. Department of Health and Human Services. Retrieved from <https://www.cdc.gov/vibrio/about/index.html>
- Centers for Disease Control and Prevention. (2024). Whooping cough. Retrieved from <https://www.cdc.gov/pertussis/about/index.html>
- Clement, J. (2021). Number of video gamers worldwide in 2021, by region. <https://www.statista.com/statistics/293304/number-video-gamers/>
- Ciptahadi, K. G. O., & Arta, S. M. J. M. (2022). Digital Learning Game “Immunity” Berbasis Android. *Jurnal Teknologi Informasi dan Komputer*, 8(1). <https://jurnal.undhirabali.ac.id/index.php/jutik/article/view/1578>

- Delves, P. J., & Roitt, I. M. (2000). The immune system. *New England Journal of Medicine*, 343(1), 37-49. <https://doi.org/10.1056/NEJM200007063430107>
- Delves, P. J., PhD. (2024, February). Acquired Immunity. Retrieved from <https://www.merckmanuals.com/home/immune-disorders/biology-of-the-immune-system/acquired-immunity>
- Delves, P. J., PhD. (2024, February). Innate Immunity. Retrieved from <https://www.merckmanuals.com/home/immune-disorders/biology-of-the-immune-system/innate-immunity>
- Delves, P. J., PhD. (2024, February). Overview of the Immune System. Retrieved from <https://www.merckmanuals.com/home/immune-disorders/biology-of-the-immune-system/overview-of-the-immune-system>
- Deta, U. A., Kurniawan, F. K., Lestari, N. A., Yantidewi, M., Jauhariyah, M. N. R., & Prahani, B. K. (2021). Literature review on the use of educational physics games in improving learning outcomes. In *Journal of physics: Conference series* (Vol. 1805, No. 1, p. 012038). IOP Publishing. <https://doi.org/10.1088/1742-6596/1805/1/012038>
- Ekaputra, K. S., Yuniarti, R., & Komarudin, A. (2022). Educational Game Design for Introduction to Immune Systems in Biology Learning at High School. *JUMANJI (Jurnal Masyarakat Informatika Unjani)*, 6(1), 11-22. <https://doi.org/10.26874/jumanji.v6i1.102>
- Fauzi, A., & Mitalistiani, M. (2018). High school biology topics that perceived difficult by undergraduate students. *Didaktika Biologi: Jurnal Penelitian Pendidikan Biologi*, 2(2), 73-84. <https://doi.org/10.32502/dikbio.v2i2.1242>
- Gutierrez, A. F. (2014). Development and effectiveness of an educational card game as supplementary material in understanding selected topics in biology. *CBE—Life Sciences Education*, 13(1), 76-82. <https://doi.org/10.1187/cbe.13-05-0093>
- Halodoc. (2022). Batuk rejan - Gejala, penyebab, dan pengobatan. Retrieved from <https://www.halodoc.com/kesehatan/batuk-rejan>
- Halodoc. (2022). Giardiasis - Gejala, penyebab, dan pengobatan. Retrieved from <https://www.halodoc.com/kesehatan/giardiasis>
- Halodoc. (2022). Jangan Disepelekan, Hepatitis B Bisa Jadi Kronis dan Akut. Retrieved from <https://www.halodoc.com/artikel/jangan-disepelekan-hepatitis-b-bisa-jadi-kronis-dan-akut>
- Halodoc. (2023). 6 penyakit yang disebabkan Staphylococcus aureus. Retrieved from <https://www.halodoc.com/artikel/6-penyakit-yang-disebabkan-staphylococcus-aureus>

- Halodoc. (2024). Pneumonia - Gejala, Penyebab, dan Pengobatan. Retrieved from
<https://www.halodoc.com/kesehatan/pneumonia>
- InformedHealth.org. Cologne, Germany: Institute for Quality and Efficiency in Health Care (IQWiG); 2006-. The innate and adaptive immune systems. [Updated 2020 Jul 30]. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK279396/>
- Jiang, F., & Shangguan, D. (2022). Researching and designing educational games on the basis of "self-regulated learning theory". *Frontiers in Psychology*, 13, 996403.
<https://doi.org/10.3389/fpsyg.2022.996403>
- Mao, P., Cai, Z., Wang, Z., Hao, X., Fan, X., & Sun, X. (2024). The effects of dynamic and static feedback under tasks with different difficulty levels in digital game-based learning. *The Internet and Higher Education*, 60, 100923.
<https://doi.org/10.1016/j.iheduc.2023.100923>
- Marshall, D., Coyle, D., Wilson, S., & Callaghan, M. (2013). Games, gameplay, and BCI: the state of the art. *IEEE Transactions on Computational Intelligence and AI in Games*, 5(2), 82-99. <https://doi.org/10.1109/TCIAIG.2013.2263555>
- Meriläinen, M., Hietajärvi, L., Aurava, R., & Stenros, J. (2023). Games in everyday life: Profiles of adolescent digital gaming motives and well-being outcomes. *Telematics and Informatics Reports*, 12, 100104. <https://doi.org/10.1016/j.teler.2023.100104>
- Moll, P., Frick, V., Rauscher, N., & Lux, M. (2020, June). How players play games: observing the influences of game mechanics. In *Proceedings of the 12th ACM International Workshop on Immersive Mixed and Virtual Environment Systems* (pp. 7-12).
<https://doi.org/10.1145/3386293.3397113>
- National Institute of Allergy and Infectious Diseases (2014). Immune Cells. Retrieved from
<https://www.niaid.nih.gov/research/immune-cells>
- Okan, Z. (2012). Edutainment and learning. In N. M. Seel (Ed.), *Encyclopedia of the sciences of learning*. Springer. https://doi.org/10.1007/978-1-4419-1428-6_1938
- Pojani, D., & Rocco, R. (2023). Edutainment: Role-playing versus serious gaming in planning education. *Journal of Planning Education and Research*, 43(3), 585-597.
<https://doi.org/10.1177/0739456X20902251>
- Rollings, A., & Adams, E. (2003). *Andrew Rollings and Ernest Adams on game design*. New Riders.
- Rout P, Caminero F, Iqbal Z, et al. Histology, Cytotoxic T Cells. [Updated 2023 Sep 20]. Retrieved from: <https://www.ncbi.nlm.nih.gov/books/NBK559279/>

- Rasyid, A., & Gaffar, A. A. (2019). Pengembangan Aplikasi Mobile Learning Model Games "Antibody vs Antigen" Menggunakan RPG Maker MV pada Pembelajaran Biologi Konsep Sistem Imun: Development of Mobile Learning Model Games Application "Antibody vs Antigen" Using RPG Maker MV on the Immune System material. *BIODIK*, 5(3), 225-238. <https://doi.org/10.22437/bio.v5i3.7870>
- Seraji, F., & Olsadat Musavi, H. (2023). Does applying the principles of constructivism learning add to the popularity of serious games? A systematic mixed studies review. *Entertainment Computing*, 47, 100585. <https://doi.org/10.1016/j.entcom.2023.100585>
- Shi, J., Renwick, R., Turner, N. E., & Kirsh, B. (2019). Understanding the lives of problem gamers: The meaning, purpose, and influences of video gaming. *Computers in Human Behavior*, 97, 291-303. <https://doi.org/10.1016/j.chb.2019.03.023>
- Sun, L., Kangas, M., Ruokamo, H., & Siklander, S. (2023). A systematic literature review of teacher scaffolding in game-based learning in primary education. *Educational Research Review*, 100546. <https://doi.org/10.1016/j.edurev.2023.100546>
- Suhartono, B. P. (2015). Pengembangan multimedia interaktif berbasis flash untuk meningkatkan hasil belajar siswa pada pembelajaran Sistem Imun untuk kelas XI SMA (Doctoral dissertation, Universitas Negeri Malang).
- Taylor, T. A., & Unakal, C. G. (2023). Staphylococcus aureus Infection. *StatPearls*. Retrieved from <https://www.ncbi.nlm.nih.gov/books/NBK441868/>
- Wati, W., & Istiqomah, H. (2019). Game edukasi fisika berbasis smartphone android sebagai media pembeajaran fisika. *Indonesian Journal of Science and Mathematics Education*, 2(2), 162-167. <http://dx.doi.org/10.24042/ijsme.v2i2.4341>
- World Health Organization. (n.d.). Hepatitis. Retrieved from <https://www.who.int/health-topics/hepatitis>
- World Health Organization. (2023). HIV/AIDS. Retrieved from <https://www.who.int/news-room/fact-sheets/detail/hiv-aids>
- World Health Organization. (2024). Dengue and severe dengue. Retrieved from <https://www.who.int/news-room/fact-sheets/detail/dengue-and-severe-dengue>
- Zeng, J., Parks, S., & Shang, J. (2020). To learn scientifically, effectively, and enjoyably: A review of educational games. *Human Behavior and Emerging Technologies*, 2(2), 186-195. <https://doi.org/10.1002/hbe2.188>