DAFTAR PUSTAKA

Abou Kamar, M., Maher, A., Salem, I. E., and Elbaz, A. M., 2024, Gamification impact on tourists' pro-sustainability intentions: integration of technology acceptance model (TAM) and the theory of planned behaviour (TPB). *Tourism Review*, Vol.79, No.2, pp.487–504.

Achmad, C., Faqih, F., Dan, A., and Lakoro, R., 2023, Perancangan *Board Game* Sebagai Media Pengenalan Mitigasi Bencana Banjir, Vol. 1.

Aguiar-Castillo, L., Clavijo-Rodriguez, A., De Saa-Perez, P., and Perez-Jimenez, R., 2019, Gamification as an approach to promote tourist recycling behavior. *Sustainability (Switzerland)*, Vol.11, No.8,.

Ajzen, I, 1991, The theory of planned behavior. Organizational Behavior and Human Decision Processes, Vol. 50, No.2, pp.179-211.

Aldrian, E., Karmini, M., and Budiman, 2011, Adaptasi dan Mitigasi Perubahan Iklim di Indonesia, Pusat Perubahan Iklim dan Kualitas Udara Kedeputian Bidang Klimatologi Badan Meteorologi, Klimatologi, dan Geofisika (BMKG).

Alemu, D., and Negash, S., 2015, Mobile information system for small-scale rural farmers. Paper Presented at the Technological Innovation in ICT for Agriculture and Rural Development (TIAR), Chennai, India, pp.79-83. https://doi.org/10.1109/TIAR.2015.7358535

Alkawsi, G. A., Ali, N., and Baashar, Y., "An Empirical Study of the Acceptance of IoT-Based Smart Meter in Malaysia: The Effect of Electricity-Saving Knowledge and Environmental Awareness," in IEEE Access, Vol.8, pp. 42794-42804, 2020, doi: 10.1109/ACCESS.2020.2977060.

Amit Kumar, G., 2021, *Framing a model for green buying behavior of Indian consumers: From the lenses of the theory of planned behavior. Journal of Cleaner Production*, Vol.295.

Andrade, M.C, Jesus, F. C., Troncoso, J. S., Queiroga, H., and Gonçalves, J. M.S, 2022, Understanding technological, cultural, and environmental motivators explaining the adoption of citizen science apps for coastal environment monitoring, Global Environmental Change, Vol.77, pp.0959-3780. https://doi.org/10.1016/j.gloenvcha.2022.102606.

Azisah, S., Mustari, A., Himayah, and Masse, A., 2021, Buku Saku: Konstektualisasi Gender Islam dan Budaya, Seri Kemitraan Universitas Masyarakat (KUM) UIN Alauddin Makassar.

Aziz, C. A. F. F., Dan, A., and Lakoro, R., 2023, Perancangan Board Game sebagai Media Pengenalan Mitigasi Bencana Banjir, Vol.1, No.1. https://doi.org/10.12962/j29880114.v1i1.692

Bamberg, S., and Möser, G., 2007, *Twenty years after Hines, Hungerford, and Tomera: A new meta-analysis of psycho-social determinants of pro-environmental behaviour. Journal of Environmental Psychology*, Vol.27, No.1, pp.14–25.

Bateman, T. S., O'Connor, K., 2016, *Felt responsibility and climate engagement: distinguishing adaptation from mitigation, Glob. Environ. Change* 41, pp.206–15.

Bear, J. B., and Woolley, A. W., 2011, June 1, The role of gender in team collaboration and performance. Interdisciplinary Science Reviews. Maney Publishing.

Betaubun, M., and Nasrawati, N., 2020, *English for Specific Purpose: Revitalizing Climate Change Awareness Using Digital Literacy and Gamification for Engineering Faculty in Papua.* Jurnal Iqra' : Kajian Ilmu Pendidikan, Vol.5, No.2, pp.68–82.

Boyle, E. A., Connolly, T. M., Hainey, T., and Boyle, J. M., 2012, May, Engagement in digital entertainment games: A systematic review. *Computers in Human Behavior*.

Brink E,Wamsler C., 2019, *Citizen Engagement in Climate Adaptation Surveyed: The Role of Values, Worldviews, jenis kelamin And Place. J. Clean*. Vol. 209, pp.1342–53.

Byeon, S., Chung, S., Jin, B., 2017, *Self-censorship on large corporations in SNS: the effect of news exposure, knowledge, and perceived power, Digital Policy, Regulation and Governance* Vol.19, No.2, pp.139–152. https://doi.org/10.1108/DPRG-02-2016-0009.

Byrkit, D.R., 1987, *Statistics Today: A Comprehensive Introduction. Benjamin/Cummings Publ. Co.*

Cantone, A. A., Romano, M., Sebillo, M., Silvestri, S., & Vitiella, G., 2023, Can Gamification Make Driving Styles More Sustainable? A Real-World Pilot Study. 315–323. https://doi.org/10.1145/3582515.3609550

Cheng, P. H., Yeh, T. K., Chao, Y. K., Lin, J., and Chang, C. Y., 2020, Design ideas for an issue-situation-based board game involving multirole scenarios. *Sustainability (Switzerland)*, Vol.12, No.5,.

Choi, D. and Kim, J., 2004, Why people continue to play online games: in search of critical design factors to increase customer loyalty to online contents, Cyberpsychology & Behavior, Vol. 7 No. 1, pp. 11-24.

Choi, G., Chung, H. and Kim, Y., 2012, Are Stereotypes Relative to Gender Usage Applicable to Virtual Worlds?, International Journal of Human–Computer Interaction Vol.28, No.6 , pp. 399–405.

Cohen, J., 1988, Statistical Power Analysis for the Behavioral Sciences Second Edition.

Csoknyai, T., Legardeur, J., Abi Akle, A., Horváth, M., 2019, *Analysis of Energy Consumption Profiles in Residential Buildings and Impact Assessment of A Serious Game on Occupants' Behavior, Energy Build* 2019, 196, pp.1–20.

Deci, E. L., and Ryan, R. M., 2000, *The "What" and "Why" of Goal Pursuits: Human Needs and the Self-Determination of Behavior*.

De Grove, F., Cauberghe, V., and Van Looy, J., 2016, Development and Validation of an Instrument for Measuring Individual Motives for Playing Digital Games. Media Psychology, Vol.19, No.1, pp.101–125.

de Leeuw, A., Valois, P., Ajzen, I., and Schmidt, P., 2015, U*sing The Theory of Planned Behavior to Identify Key Beliefs Underlying Pro-Environmental Behavior in High-School Students: Implications for Educational Interventions. Journal of Environmental Psychology*, Vol.42, pp.128–138.

Desiana, R., Muliyati, D., and Susanti, D., 2023, E-LEARNING GAMIFIKASI PADA MATERI PEMANASAN GLOBAL. PRODI Pendidikan Fisika dan Fisika UNJ.

Despeisse, M., 2018, *Teaching Sustainability Leadership in Manufacturing: A Reflection on the Educational Benefits of the Board Game Factory Heroes.* Procedia CIRP, 69, pp. 621–626.

Deterding, S., Dixon, D., Khaled, R., & Nacke, L., 2011, *From Game Design Elements to Gamefulness: Defining Gamification. in Proceedings of The 15th International Academic Mindtrek Conference: Envisioning Future Media Environments,* 9e15.

Ding D, Maibach EW, Zhao X, Roser-Renouf C, Leiserowitz A., 2011, *Support for Climate Policy and Societal Action are Linked to Perceptions about Scientific Agreement, Nat. Clim. Change* 1(9), pp. 462–66.

Di Paolo, R., and Pizziol, V., 2023, *Gamification and Sustainable Water Use: The Case of the BLUTUBE Educational Program. Simulation and Gaming.*

Dopler, S., Putz-Egger, L.-M., & Beil, D., 2023, *Improving Green Transport Literacy through Gamification: A Structural Equation Modeling Approach.*

Douglas, B. D., and Brauer, M., 2021, December 1, *Gamification to Prevent Climate Change: A Review of Games And Apps for Sustainability. Current Opinion in Psychology.* Elsevier B.V, Vol.42, pp.89–94. https://doi.org/10.1016/j.copsyc.2021.04.008.

Fabiano, F., 2018, Evaluating the user engagement and the technology acceptance of an augmented reality pervasive game for urban awareness.

Fatkhullah, M., Mulyani, I., Dewi, A. S., Habib, M. A. F., and Reihan, A., 2022, Strategi Komunikasi dalam Mengatasi Perubahan Iklim melalui Pelibatan Masyarakat. *Jurnal Komunikasi Pembangunan*, Vol.21, No.01, pp.17–33.

Faul, F., Erdfelder, E., Lang, A., Buchner, A., 2007, *G*Power 3: A Flexible Statistical Power Analysis Program For The Social, Behavioral, And Biomedical Sciences, Behavior Research Methods*, Vol. 39, No.2, pp. 175–191.

Feng, Q., Luo, H., Li, W., Chen, T., Song, N., 2023, *Effects of jenis kelamin diversity on college students' collaborative learning: From individual jenis kelamin to jenis kelamin pairing,* Vol. 9, No.6. https://doi.org/10.1016/j.heliyon.2023.e16237.

Finata Pratama, D., and Chaniago, D. H., 2017, Pengaruh Gender Terhadap Pengambilan Keputusan di Lingkungan Kerja. *Jurnal Riset Bisnis & Investasi*, Vol.3, No.3, pp.57.

Flood, S., Cradock-Hnry, N. A., Blackett, P., and Edwards, P., 2018, June 1, A*daptive and interactive climate futures: Systematic review of "serious games" for engagement and decision-making. Environmental Research Letters*. Institute of Physics Publishing.

Forsyth, D. R., 2010, Group Dynamics (4th Edition). Amerika: Cengage Learning, Wadsworth

Fuchs-Hanusch, D., Arbesser-Rastburg, G., Adler, V., Stelzl, A., Camhy, D., Pointl, M., & Pirker, J., 2023, *Gamification of Hydraulic Modeling to Create Awareness for the Effects of Climate change and Urbanization on Water Supply.* https://doi.org/10.5194/egusphere-egu23-16427.

Galeote, D. F., Rajanen, M., Rajanen, D., Legaki, N. Z., Langley, D. J., & Hamari, J., 2021, *Gamification for climate change engagement: Review of corpus and future agenda, In Environmental Research Letters* (Vol. 16, Issue 6). IOP Publishing Ltd. https://doi.org/10.1088/1748-9326/abec05.

Garcia-Iruela, Miguel & Fonseca, Manuel J. & Neira, Raquel & Chambel, Teresa., 2020, Gamification and Computer Science Students' Activity. IEEE Access, pp.1-1. doi:10.1109/ACCESS.2020.2997038.

Gee, J. Paul., 2003, *What video games have to teach us about learning and literacy*. Palgrave Macmillan.

Grainger, M.J., Stewart, G.B., 2017, *The Jury Is Still Out on Social Media as A Tool for Reducing Food Waste A Response to Young et al., 2017, Resources, Conservation And Recycling* 122, pp.407–410. https://doi.org/10.1016/j.resconrec.2017.04.001.

Grübler, A, Wilson, C., Bento, N., Boza-Kiss, B., Krey, D., et al., 2018, *A low energy demand scenario for meeting the 1.5°C target and sustainable development goals without negative emission technologies,* Nat, Energy 3(6):515–27.

Gunawan, A., Muchardie, B. G., and Liawinardi, K., "Millennial Behavioral Intention To Adopt E-Book Using Utaut2 Model", 2019, International Conference on Information Management and Technology (ICIMTech), Jakarta/Bali, Indonesia, pp.98-102, doi: 10.1109/ICIMTech.2019.8843826.

Guo, Y., 2014, Moderating effects of gender in the acceptance of Mobile SNS-based on UTAUT model. International Conference on Management of e-Commerce and e-Government, pp.163-167. https://doi.org/10.1109/ICMeCG.2014.41

Hamari, J., 2019, *Gamification The Blackwell Encyclopedia of Sociology* eds G Ritzer and Rojek C (New York: John Wiley & Sons) 1–3.

Hanif, M. F. dan Sulaiman, A. M., 2021, Perancangan Komunikasi Visual *Board Game* mengenai 25 Rasul dalam Islam, Jurnal Citrakara, Vol.3, No.2, pp.179–193.

Hartmann, T., and Klimmt, C., 2006, Gender and computer games: Exploring females' dislikes. *Journal of Computer-Mediated Communication*, Vol.11, No.4, pp.910–931.

Hegerl, G. C., Brönnimann, S., Cowan, T., Friedman, A. R., Hawkins, E., Iles, C., . . . Undorf, S., 2019, Causes of Climate Change Over the Historical Record. Environ. Res. Lett, 14, 123006. Retrieved from https://iopscience.iop.org/article/10.1088/1748-9326/ab4557

Himmel, S., Zaunbrecher, B. S., Ziefle, M., & Beutel, M. C., 2016, Chances for Urban electromobility. Paper Presented at the International Conference of Design, User Experience, and Usability, Vol.9747,pp.472–484.https://doi.org/10.1007/978-3-319-40355-7_45

Ho, J. C. S., Hung, Y. S., and Kwan, L. Y. Y., 2022, The impact of peer competition and collaboration on gamified learning performance in educational settings: a Meta-analytical study. *Education and Information Technologies*, Vol.27, No.3, pp.3833–3866.

Hong, J.-C. and Hwang, M.-Y., 2012, Gender Differences in Help-Seeking and Supportive Dialogue during on-Line Game, Procedia – Social and Behavioral Sciences, Vol.64, No.9 , pp. 342-351.

Hou, H.-T., 2012, Exploring the behavioral patterns of learners in an educational massively multiple online role-playing game, Computers and Education Vol.58, No,4 , pp. 1225–1233.

Huotari, K. and Hamari, J., 2017, ”*A definition for gamification: anchoring gamification in the service marketing literature*”, Electronic Markets, 27(1), 2017, pp. 17–22.

Hsu, C.-L., Y.-C. Chen, T.-N. Yang, and W.- K. Lin, 2017, ”*Do website features matter in an online gamification context? Focusing on the mediating roles of user experience and attitude*”, *Telematics and Informatics,* 34(4), 2017, pp. 196–205.

IPCC (Intergov. Panel Clim. Change)., 2018, *Special report: global warming of 1.5°C. Rep., Intergov. Panel Clim. Change*, Geneva, Switz. https://www.ipcc.ch/sr15/ .

IPCC (Intergov. Panel Clim. Change)., 2022a, *Climate change 2022: Impacts, Adaptation, and Vulnerability.* Geneva, Switz.: IPCC.

IPCC (Intergov. Panel Clim. Change)., 2022b, Climate change 2022: *Mitigation of Climate change* . Geneva, Switz.: IPCC.

Iria, J., Fonseca, N., Cassola, F., Barbosa, A., Soares, F., Coelho, A., and Ozdemird, A., 2020, A gamification platform to foster energy efficiency in office buildings. *Energy and Buildings*, Vol.222, .

Iswari, L., 2018, *Indexing the Environmental Quality Performance Based on A Fuzzy Inference Approach*. MS&E, Vol.325, No.1, 012009. Google Scholar.

Ivanova, D., Barrett, J., Wiedenhofer, D., Macura, B., Callaghan, M., Creutzig, F., 2020, *Quantifying the potential for climate change mitigation of consumption options, Environ. Res. Lett.* 15(9):093001.

Kiryakova, G., Angelova, N., Yordanova, L., 2014, GAMIFICATION IN EDUCATION.

Koivisto, J. & Hamari, J., 2019, The rise of the motivational information systems: A review of gamification research. International Journal of Information Management, Vol.45, pp.210. doi:10.1016/j.ijinfomgt.2018.10.013.

Krasnova, H., and Baumann, A., 2014, *Gender Differences in Online Gaming: A Literature Review*. Retrieved from https://www.researchgate.net/publication/277597582

Koenigstein, S., Hentschel, L. H., Heel, L. C., and Drinkorn, C., 2020, A game-based education approach for sustainable ocean development. *ICES Journal of Marine Science*, Vol.77, No.5, pp.1629–1638.

Kupfer, A., Ableitner, L., Schob, ¨ S., & Tiefenbeck, V., 2016, technology adoption vs. Continuous usage intention: Do decision criteria change when using a technology?. In The 22nd Americas Conference on Information Systems.

Kurila, J., Lazuras, L., & Ketikidis, P. H., 2016, Message framing and acceptance of branchless banking technology. Electronic Commerce Research and Applications, Vol.17,pp.12-18. https://doi.org/10.1016/j.elerap.2016.02.001

Lee, M. C., 2009, Understanding the behavioural intention to play online games: An extension of the theory of planned behaviour. *Online Information Review*, Vol.33, No.5, pp.849–872.

Lee, T. M., Markowitz, E. M., Howe, P. D., Ko, C. Y., & Leiserowitz, A. A., 2015, *Predictors of Public Climate Change Awareness and Risk Perception Around The World, Nature Climate Change,* 5(11), 1014–1020.doi:10.1038/nclimate2728.

Ma, G., Lin, J., Li, N., 2018, Longitudinal assessment of the behavior-changing effect of app-based eco-feedback in residential buildings, Energy and Buildings, Vol. 159, pp. 86–494, doi:10.1016/j.enbuild.2017.11.019

Masud, M. M., Al-Amin, A. Q., Junsheng, H., Ahmed, F., Yahaya, S. R., Akhtar, R., and Banna, H., 2016, *Climate change issue and theory of planned behaviour: Relationship by empirical evidence. Journal of Cleaner Production*, Vol.113, pp.613–623.

Mazur-Stommen, S. and K. Farley., 2016, *Games for Grownups: The Role of Gamification in Climate change and Sustainability. Indicia Consulting.*

Meya, J. N., and Eisenack, K., 2017, *Effectiveness of gaming for communicating and teaching climate change.* Retrieved from https://www.researchgate.net/publication/321760383

Mildenberger, M., Lubell, M., Hummel, M., 2019, *Personalized risk messaging can reduce climate concerns. Glob. Environ. Change* 55, pp.15–24.

Montgomery, D. C., and Runger, G. C., 2003, *Applied statistics and probability for engineers*. Wiley.

Mossoux, S., Delcamp, A., Poppe, S., Michellier, C., Canters, F., & Kervyn, M., 2016, Hazagora: *Will You Survive The Next Disaster?-A Serious Game To Raise Awareness About Geohazards And Disaster Risk Reduction. Natural Hazards And Earth System Sciences,* Vol.16, No.1.

Nair, P. K., Ali, F., & Leong, L. C., 2015, Factors affecting acceptance & use of ReWIND: Validating the extended unified theory of acceptance and use of technology. Interactive Technology and Smart Education, Vol.12, No.3, pp.183–201. doi:10.1108/ITSE-02-2015-0001

Nasrullah, 2024, Bahasa dan Perubahan Iklim: Membangun Kesadaran dan Aksi Nyata untuk Masa Depan Indonesia yang Lebih Baik, Risalah Kebijakan, No.2. https://badanbahasa.kemdikbud.go.id/resource/doc/files/risalah_kebijakan_nomor_2.pdf.

Nggole, S., Tyas, W. P., Pradoto, W., 2019, *The Level of Climate Change Awareness among Citizens of Bitung City,* Indonesia, Jurnal Wilayah dan Lingkungan, Vol.7, No.1, pp. 38–51. http://dx.doi.org/10.14710/jwl.7.1.38-51.

Nugroho, M. A., Dharmastiti, R., & Arini, H. M., 2021, The Effect of Gain-Loss Framing Information on Risk Attitude during Coronavirus Disease (COVID19) Pandemic, Proceeding of International Conference on Science, Health, And Technology, pp. 311–317. https://doi.org/10.47701/ICOHETECH.V1I1.1148.

Opina, K. G., 2017, *Verbal Communication Behaviors: How Male and Female University Students Interact in jenis kelamined Talks. International Journal of Language and Linguistics,* Vol.5, No.5, pp.135–142. https://doi.org/10.11648/j.ijll.20170505.13

Oppong-Oppong-Tawiah, D., Webster, J., Staples, S., Cameron, A. F., Ortiz de Guinea, A., and Hung, T. Y., 2020, Developing a gamified mobile application to

encourage sustainable energy use in the office. *Journal of Business Research*, Vol.106, pp.388–405.

Pahleviannur, M. R., 2019, Edukasi Sadar Bencana Melalui Sosialisasi Kebencanaan Sebagai Upaya Peningkatan Pengetahuan Siswa Terhadap Mitigasi Bencana, Jurnal Pendidikan Ilmu Sosial, 29(1).

Paolo, R. D., & Pizziol, V., 2023, Gamification and Sustainable Water Use: The Case of the BLUTUBE Educational Program. Simulation and Gaming.https://doi.org/10.1177/10468781231181652

Pahleviannur, M. R., 2019, Edukasi Sadar Bencana Melalui Sosialisasi Kebencanaan Sebagai Upaya Peningkatan Pengetahuan Siswa Terhadap Mitigasi Bencana, Jurnal Pendidikan Ilmu Sosial, Vol.29, No.1.

Plass, J. L., Homer, B. D., and Kinzer, C. K., 2015, Foundations of Game-Based Learning. *Educational Psychologist*, Vol.50, No.4, pp.258–283.

Purnamadewi, Y. L., Orchidea, M. D., & Mulatsih, S., 2019, *Fiscal policy and environmental quality in Indonesia. Google Scholar.*

Puspa, A., 2023, 79% Generasi Z Sadar Perubahan Iklim Merupakan Masalah Serius,https://mediaindonesia.com/humaniora/559859/79-generasi-z-sadar-perubahan-iklim-merupakan-masalah-serius.

Poushter, J. and Huang, C., 2019, *Climate change Still Seen as the Top Global Threat, but Cyberattacks a Rising Concern Pew Research Center* (available at:www.pewresearch.org/global/2019/02/10/climate-change-still-seen-as-the-top global-threat-but-cyberattacks-a-rising-conc.

Rahimi, M., 2020, Public awareness: *What climate change scientists should consider, Sustainability* (Switzerland), 12(20), 1–4.

RahmaDanniati, T., in press. *FAKTOR YANG MEMPENGARUHI PENGAMBILAN KEPUTUSAN MAHASISWA MEMILIH PROGRAM STUDI KEWIRAUSAHAAN FAKULTASEKONOMI DAN BISNIS UNIVERSITAS BRAWIJAYA.*

Rajanen, M., Dorina & Rajanen, M., 2019, Climate change gamification: A literature review.

Ramírez-Correa, P. E., Rondan-Catalu ́na, ̃ F. J., & Arenas-Gait ́an, J., 2014, An empirical analysis of mobile Internet acceptance in Chile. Information Research, Vol.19, No.3, pp.113–134.

Ridgeway, C. L., in press. *HOW GENDER INEQUALITY PERSISTS IN THE MODERN WORLD*. Retrieved from www.scholarsstrategynetwork.org

Riggio, R. E., & Riggio, H. R., 2012, Face and Body in Motion. Encyclopedia of Body Image and Human Appearance, pp.425–430. doi:10.1016/b978-0-12-384925-0.00068-7

Ro, M., Brauer, M., Kuntz, K., Shukla, R., and Bensch, I., 2017, *Making Cool Choices for sustainability: Testing the effectiveness of a game-based approach to promoting pro-environmental behaviors*. *Journal of Environmental Psychology*, Vol.53, pp.20–30.

Rondan-Cataluna, ̃ F. J., Arenas-Gait ́an, J., & Ramírez-Correa, P. E., 2015, A comparison of the different versions of popular technology acceptance models: A non-linear perspective. Kybernetes, Vol.44, No.5, pp.788–805. doi:10.1108/K-09-2014-0184

Rumore, D., T. Schenk, and L. Susskind, 2016, : *Enhancing Communities' Readiness to Adapt to Climate change Through Role-Play Simulations, Nature Climate change* , 06/2016, 745 – 750.

Safira, F. M., 2022, PENGARUH BEBAN KERJA, STRES KERJA DAN KONFLIK KERJA TERHADAP KINERJA KARYAWAN PADA PT. ZURICH ASURANSI INDONESIA TBK. Skripsi thesis, Sekolah Tinggi Ilmu Ekonomi Indonesia Jakarta.

Salas, K. de, L. Ashbarry, M. Seabourne, I. Lewis, L. Wells, J. Dermoudy, E. Roehrer, M. Springer, J.D. Sauer, and J. Scott, 2022, *"Improving Environmental Outcomes With Games: An Exploration of Behavioural and Technological Design and Evaluation Approaches", Simulation & Gaming*, 53(5), 2022, pp. 470–512.

Septarina, A. K., and Hadi, H., 2017, Perancangan *Board Game* Edukasi Pendidikan Moral dengan Menggunakan Tokoh Cerita Rakyat Nusantara.

Si, H., Shi, J. gang, Tang, D., Wu, G., and Lan, J., 2020, U*nderstanding intention and behavior toward sustainable usage of bike sharing by extending the theory of planned behavior*. *Resources, Conservation and Recycling*, Vol.152,

Skeiryte, Agne & Krikštolaitis, Ričardas & Liobikienė, G., 2022. The differences of climate change perception, responsibility and climate-friendly behavior among generations and the main determinants of youth's climate-friendly actions in the EU. Journal of Environmental Management, Vol.323, pp.116277. 10.1016/j.jenvman.2022.116277.

Steg, L., 2023, Downloaded from www.annualreviews.org Access provided by 149. *Annu. Rev. Psychol. 2023*, Vol.74, pp.391–421.

Sugianto, V. J., Prayanto, W.H., Yudani, H. D., 2015, Perancangan *Board Game* mengenai Bahaya Radiasi Gadget terhadap Anak, Jurnal DKV Adiwarna, Vol.1, No.6, pp15. https://publication.petra.ac.id/index.php/dkv/article/download/3173/2864

Sullivan, G. M., & Feinn, R., 2012, Using Effect Size—or Why the P Value Is Not Enough, Journal of Graduate Medical Education, vol. 4, no.3, pp. 279. https://doi.org/10.4300/JGME-D-12-00156.1.

Susanto, A., Purwanto, P., Sunoko, H. R., & Setiani, O., 2017, A kriging method for mapping underground mine air pollution, Advanced Science Letters, 23(3), 2329- 2332.

Tsai, J. C., Liu, S. Y., Chang, C. Y., and Chen, S. Y., 2021, Using a board game to teach about sustainable development. *Sustainability (Switzerland)*, Vol.13, No.9,.

Tumanggor, W. R. E., Chahaya, I., Nurhasanah, R., 2023, Upaya Mitigasi dan Adaptasi Perubahan Iklim melalui Media Permainan Anak Atteropoly kepada Anak Usia Sekolah Dasar, Poltekita Jurnal Pengabdian Masyarakat, Vol.3, No.4, pp. 75–85. https://doi.org/10.33860/pjpm.v4i1.1567

Van Valkengoed, A., Steg L., 2019, *Meta-analyses of factors motivating climate change adaptation behaviour.* Nat. Clim. Change 9, pp.158–63.

Van Valkengoed A., Perlaviciute G., Steg L., 2021, *Development and validation of a climate change perceptions scale. J. Environ.* Psychol. 76:101652.

Van Vuuren, D. P., Stehfest, E., Gernaat, D. E., Van Den Berg, M., Bijl, D.L., 2018, *Alternative pathways to the 1.5°C target reduce the need for negative emission technologies. Nat. Clim. Change* 8(5), pp. 391–97.

Venghaus, S., Henseleit, M., & Belka, M., 2022, *The impact of climate change awareness on behavioral changes in Germany: changing minds or changing behavior? Energy, Sustainability and Society*, 12(1).

Venkatesh, V., Morris, M. G., Davis, G. B., and Davis, F. D., 2003, *User Acceptance of Information Technology: Toward a Unified View. Source: MIS Quarterly* (Vol. 27).

Venkatesh, V., Thong, J. Y. L., & Xu, X., 2012, Consumer Acceptance and Use of Information Technology: Extending the Unified Theory of Acceptance and Use of Technology. MIS Quarterly, Vol.36, No.1, pp.157–178. https://doi.org/10.2307/41410412

Vitiello, G., Cantone, A. A., Romano, M., Sebillo, M., and Silvestri, S., 2023, C*an Gamification Make Driving Styles More Sustainable? A Real-World Pilot Study (pp. 315–323). Association for Computing Machinery (ACM).*

Wang, Y., Yang, J., Liang, J., Qiang, Y., Fang, S., Gao, M., Fan, X., Yang, G., Zhang, B., and Feng, Y., 2018, *Analysis of the environmental behavior of farmers for non-point source pollution control and management in a water source protection area in China. Science of the Total Environment,* Vol.633, pp.1126–1135.

Wemyss, D., Cellina, F., Lobsiger-Kägi, E., de Luca, V., and Castri, R., 2019, Does it last? Long-term impacts of an app-based behavior change intervention on household electricity savings in Switzerland. *Energy Research and Social Science*, Vol.47, pp.16–27.

Wicaksono, A., 2023, October 25, Anomali Suhu Udara Bulan September 2023. *https://www.bmkg.go.id/berita/?p=anomali-suhu-udara-bulanan&lang=ID&tag=anomali-suhu-udara* . Indonesia.

Widjaja, A., 2021, Makalah Kajian Literatur: Pengambilan Keputusan Kelompok.

Widodo, A. P., Pamungkas, P. P., & Gozali, A. A., 2023, Recarbon: Aplikasi Edukasi Jejak Karbon Berbasis Flutter ReCarbon: *Flutter-Based Carbon Footprint Education App.*

Williams, D., Ducheneaut, N., Xiong, L., Zhang, Y., Yee, N., and Nickell, E., 2006, "From Tree House to Barracks The Social Life of Guilds in World of Warcraft," Games and culture, Vol.1, No.4, pp. 338-361

Wiratama, P., Suharto, D. G., and Nurhaeni, I. D. A., 2021, Online game-based learning on climate change: Innovation in the internationalization of higher education. *IOP Conference Series: Earth and Environmental Science* (Vol. 905). IOP Publishing Ltd.

Wong, C.-H., Wei-Han Tan, G., Loke, S.-P., & Ooi, K.-B., 2014, Mobile TV: a new form of entertainment? Industrial Management & Data Systems, Vol.114, No.7, pp.1050–1067. doi:10.1108/IMDS-05-2014-0146

Wu, J. S., and Lee, J. J., 2015, May 28, Climate change games as tools for education and engagement. *Nature Climate Change*. Nature Publishing Group.

Yee, N., 2006, *Motivations for Play in Online Games. CYBERPSYCHOLOGY & BEHAVIOR* (Vol. 9). Retrieved from www.mmogchart.com/.