

- [1] R. A. Pohan, E. Ramadhani, M. Marimbun, W. Chalidaziah, N. Nengsih, and M. Marhaban, "Disaster Preparedness and Safety Curriculum for Early Childhood Education in Indonesia," *Prehosp. Disaster med.*, vol. 39, no. 2, Art. no. 2, Apr. 2024, doi: 10.1017/S1049023X24000177.
- [2] L. Setyo Palupi, "Towards sustainable cities and communities: Is psychological preparedness include in the disaster risk reduction policy framework in Indonesia," *E3S Web Conf.*, vol. 340, p. 03009, 2022, doi: 10.1051/e3sconf/202234003009.
- [3] Suradi et al., *Peranan Kawasan Siaga Bencana Dalam Meningkatkan Kesiapsiagaan Masyarakat Menghadapi Bencana Alam*. Jakarta: Pusat Penelitian dan Pengembangan Kesejahteraan Sosial - Kementerian Sosial RI, 2021.
- [4] S. G. Marlyono and N. Nandi, "The Preparedness Level of Community in Facing Disaster in West Java Province," *IOP Conf. Ser.: Earth Environ. Sci.*, vol. 145, p. 012103, Apr. 2018, doi: 10.1088/1755-1315/145/1/012103.
- [5] F. Fatoni and S. L. Panduragan, "Disaster Preparedness: Knowledge, Attitude, and Practice Among Rural Communities in Indonesia: A Cross Sectional Survey".
- [6] S. Andreastuti, E. Paripurno, H. Gunawan, A. Budianto, D. Syahbana, and J. Pallister, "Character of community response to volcanic crises at Sinabung and Kelud volcanoes," *Journal of Volcanology and Geothermal Research*, vol. 382, pp. 298–310, Sep. 2019, doi: 10.1016/j.jvolgeores.2017.01.022.
- [7] A. Hermawan, B. Guntoro, and M. Sulhan, "Community Engagement for Disaster Preparedness in Rural Areas of Mount Merapi, Indonesia," *IJSDP*, vol. 19, no. 4, pp. 1505–1518, Apr. 2024, doi: 10.18280/ijstdp.190427.
- [8] J. A. Bohariand and I. K. Widana, "Short training to improve knowledge of disaster management on basic level: A before and after study," *IOP Conf. Ser.: Earth Environ. Sci.*, vol. 708, no. 1, Art. no. 1, Apr. 2021, doi: 10.1088/1755-1315/708/1/012096.
- [9] A. Amri, J. A. Lassa, Y. Tebe, N. R. Hanifa, J. Kumar, and S. Sagala, "Pathways to Disaster Risk Reduction Education integration in schools: Insights from SPAB evaluation in Indonesia," *International Journal of Disaster Risk Reduction*, vol. 73, p. 102860, Apr. 2022, doi: 10.1016/j.ijdrr.2022.102860.
- [10] N. Ismail, N. Suwannapong, N. Howteerakul, M. Tipayamongkholgul, and S. Apinuntavech, "Assessing disaster preparedness and mental health of community

- [11] A. Prasetyo et al., “Critical communication of disaster preparedness areas for informational strategies in disaster management in Indonesia,” *Progress in Disaster Science*, vol. 24, p. 100368, Dec. 2024, doi: 10.1016/j.pdisas.2024.100368.
- [12] T. Dirgahayu, Hendrik, and H. Setiaji, “A Context-Aware Mobile Application for Disaster Preparedness of People in Disaster-Prone Areas,” 2021, *ICIC International 学会*: 09. doi: 10.24507/icicelb.12.09.773.
- [13] R. V. Traya et al., “Android Mobile Application: Tsunami Alert System with an Escape Route for Evacuation in Municipal Disaster Risk Reduction and Management Office,” in 2022 Fifth International Conference on Vocational Education and Electrical Engineering (ICVEE), Surabaya, Indonesia: IEEE, Sep. 2022, pp. 30–35. doi: 10.1109/ICVEE57061.2022.9930386.
- [14] J. L. Llovido, M. A. D. Brogada, F. S. Relucio, L. D. Austero, L. L. Maceda, and M. B. Abisado, “BOSESKO: Designing A Synoptic Multi-Platform Digital System for Citizen Participation,” in 2024 26th International Conference on Advanced Communications Technology (ICACT), Pyeong Chang, Korea, Republic of: IEEE, Feb. 2024, pp. 1–8. doi: 10.23919/ICACT60172.2024.10472009.
- [15] N. Wahyuningtyas, I. N. Ruja, M. H. Yahya, D. N. Wijaya, and M. H. Ibrahim, “Developing of a Learning Media for Smartphones for Disaster Mitigation Education,” *Int. J. Emerg. Technol. Learn.*, vol. 16, no. 07, Art. no. 07, Apr. 2021, doi: 10.3991/ijet.v16i07.21195.
- [16] M. Aziz and T. Wu, “Enhancing Disaster Mitigation: Mobile-GIS Sister Village Evacuation Route System for Mount Merapi Eruption in Yogyakarta,” in 2023 16th International Conference on Sensing Technology (ICST), HYDERABAD, India: IEEE, Dec. 2023, pp. 1–6. doi: 10.1109/ICST59744.2023.10460783.
- [17] H. Mitsuha, N. Miyoshi, and M. Shishibori, “Location-Based Game for Remembering Shelter Locations, Capacities and Features,” in 2022 11th International Conference of Information and Communication Technology (ICTech)), Wuhan, China: IEEE, Feb. 2022, pp. 277–281. doi: 10.1109/ICTech55460.2022.00062.
- [18] M. S. Nagaraju, H. Kakarala, V. Sai, and V. P. Vattikunta, “Mobile Application for Disaster Safety Management,” in 2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India: IEEE, Mar. 2024, pp. 1008–1013. doi: 10.1109/ICACCS60874.2024.10717114.

- S. De León Aguilar, Y. Matsuda, and K. Yasumoto, "Mobile AR Interface for Instruction-Based Disaster Preparedness Guidelines," in 2023 Fourteenth International Conference on Mobile Computing and Ubiquitous Network (ICMU), Kyoto, Japan: IEEE, Nov. 2023, pp. 1–7. doi: 10.23919/ICMU58504.2023.10412237.
- [20] M. V. Gargiulo, R. Russo, G. Gugg, O. Amoroso, and P. Capuano, "Standardising risk perception assessment: The CORE APP training and competition evaluation protocol," *International Journal of Disaster Risk Reduction*, vol. 116, p. 105071, Jan. 2025, doi: 10.1016/j.ijdr.2024.105071.
- [21] A. Sengupta and S. Williams, "Can an Engagement Platform Persuade Students to Stay? Applying Behavioral Models for Retention," *International Journal of Human-Computer Interaction*, vol. 37, no. 11, pp. 1016–1027, Jul. 2021, doi: 10.1080/10447318.2020.1861801.
- [22] X. L. Pham and G. D. Chen, "PACARD: A New Interface to Increase Mobile Learning App Engagement, Distributed Through App Stores," *Journal of Educational Computing Research*, vol. 57, no. 3, pp. 618–645, Jun. 2019, doi: 10.1177/0735633118756298.
- [23] C. C. Barton, "Disaster Preparedness and Management," in *Information Resources in Toxicology*, Elsevier, 2009, pp. 195–201. doi: 10.1016/B978-0-12-373593-5.00022-7.
- [24] G. B. Keeney, "Disaster Preparedness: What Do We Do Now?," *J Midwife Womens Health*, vol. 49, no. S1, Art. no. S1, Jul. 2004, doi: 10.1016/j.jmwh.2004.05.003.
- [25] V. R. Rohith, S. Kolathayar, K. Priyatham, V. K. Kumar, and S. Nikil, "Disaster Preparedness Index: A Valid and Reliable Tool to Comprehend Disaster Preparedness in India," in *Urbanization Challenges in Emerging Economies*, New Delhi, India: American Society of Civil Engineers, Dec. 2018, pp. 156–163. doi: 10.1061/9780784482032.017.
- [26] C. Shannon, "Understanding Community-Level Disaster and Emergency Response Preparedness," *Disaster med. public health prep.*, vol. 9, no. 3, Art. no. 3, Jun. 2015, doi: 10.1017/dmp.2015.28.
- [27] K. Andress, "HEALTHCARE FACILITY PREPAREDNESS," in *International Disaster Nursing*, 1st ed., R. Powers and E. Daily, Eds., Cambridge University Press, 2010, pp. 13–28. doi: 10.1017/CBO9780511841415.005.
- [28] D. Kollek et al., "CAEP Position Statement – Hospital disaster preparedness," *CJEM*, vol. 22, no. 4, Art. no. 4, Jul. 2020, doi: 10.1017/cem.2020.38.

- E. James, "Getting ahead of the next disaster: recent preparedness efforts in Indonesia," *Development in Practice*, vol. 18, no. 3, Art. no. 3, Jun. 2008, doi: 10.1080/09614520802030607.
- [30] Pemerintah Republik Indonesia, "Undang-Undang Republik Indonesia Nomor 24 Tahun 2007 tentang Penanggulangan Bencana." 2007. [Online]. Available: <https://peraturan.bpk.go.id/Home/Details/40278/uu-no-24-tahun-2007>
- [31] Badan Nasional Penanggulangan Bencana (BNPB), "Peraturan badan nasional penanggulangan bencana nomor 4 tahun 2008 tentang pedoman penyusunan rencana penanggulangan bencana." 2008.
- [32] N. Eyal and R. Hoover, *Hooked: how to build habit-forming products*, Updated edition. New York, NY: Portfolio/Penguin, 2019.
- [33] E. Lukyanchikova, N. Askarbekuly, H. Aslam, and M. Mazzara, "A Case Study on Applications of the Hook Model in Software Products," *Software*, vol. 2, no. 2, Art. no. 2, May 2023, doi: 10.3390/software2020014.
- [34] Z. Xiaoyu and T. Jian, "Research on the interactive design of mobile reading APP payment promotion based on hooked model--taking the iReader as an example," in *2022 3rd Asia Symposium on Signal Processing (ASSP)*, Singapore, Singapore: IEEE, Dec. 2022, pp. 82–85. doi: 10.1109/ASSP57481.2022.00021.
- [35] School of Business and Management, Bandung Institute of Technology, Bandung, West Java, Indonesia, R. P. Br Barus, I. Setiawan, and School of Business and Management, Bandung Institute of Technology, Bandung, West Java, Indonesia, "Optimizing User Retention for a Digital Recruitment App with CLM and the Hooked Model," *ijcsrr*, vol. 07, no. 06, Art. no. 06, Jun. 2024, doi: 10.47191/ijcsrr/V7-i6-13.
- [36] H. Schoenau-Fog, "Hooked! – Evaluating Engagement as Continuation Desire in Interactive Narratives," in *Interactive Storytelling*, vol. 7069, M. Si, D. Thue, E. André, J. C. Lester, T.J. Tanenbaum, and V. Zammitto, Eds., in *Lecture Notes in Computer Science*, vol. 7069. , Berlin, Heidelberg: Springer Berlin Heidelberg, 2011, pp. 219–230. doi: 10.1007/978-3-642-25289-1\_24.
- [37] N. Damrongsak, "Enhancing User Engagement and Retention in Fintech: Research on Effective User Experience Strategies and Design Principles," *JGEBF*, vol. 6, no. 10, Art. no. 10, Oct. 2024, doi: 10.53469/jgeb.2024.06(10).05.
- [38] B. J. Fogg, *Tiny habits: + the small changes that change everything*. Boston: Houghton Mifflin Harcourt, 2020.

- [39] D. Benner, A. Janson, and J. M. Leimeister, "How to Achieve Ethical Persuasive Design: A Review and Theoretical Propositions for Information Systems," *THCI*, vol. 14, no. 4, Art. no. 4, Dec. 2022, doi: 10.17705/1thci.00179.
- [40] A. McGowan, S. Sittig, D. Bourrie, R. Benton, and S. Iyengar, "The Intersection of Persuasive System Design and Personalization in Mobile Health: Statistical Evaluation," *JMIR Mhealth Uhealth*, vol. 10, no. 9, Art. no. 9, Sep. 2022, doi: 10.2196/40576.
- [41] C. G. Austin, "The History of Design Thinking and its Contributions to Food Experiences and Well-Being," in *Design Thinking for Food Well-Being*, W. Batat, Ed., Cham: Springer International Publishing, 2021, pp. 19–33. doi: 10.1007/978-3-030-54296-2\_2.
- [42] K. A. Baxter et al., "A design thinking-led approach to develop a responsive feeding intervention for Australian families vulnerable to food insecurity: Eat, Learn, Grow," *Health Expectations*, vol. 27, no. 2, Art. no. 2, Apr. 2024, doi: 10.1111/hex.14051.
- [43] M. A. Smith and S. Nigro, "Applying Design-Thinking Principles to Practice-Based Pharmacy Research," *Ann Pharmacother*, vol. 57, no. 9, Art. no. 9, Sep. 2023, doi: 10.1177/10600280221147014.
- [44] R. Bender-Salazar, "Design thinking as an effective method for problem-setting and needfinding for entrepreneurial teams addressing wicked problems," *J Innov Entrep*, vol. 12, no. 1, Art. no. 1, Apr. 2023, doi: 10.1186/s13731-023-00291-2.
- [45] C. Dell’Era et al., "Design thinking in action: a quantitative study of design thinking practices in innovation projects," *JKM*, vol. 29, no. 11, Art. no. 11, Jan. 2025, doi: 10.1108/JKM-04-2024-0424.
- [46] N. M. Costa Valentim, W. Silva, and T. Conte, "The Students’ Perspectives on Applying Design Thinking for the Design of Mobile Applications," in *2017 IEEE/ACM 39th International Conference on Software Engineering: Software Engineering Education and Training Track (ICSE-SEET)*, Buenos Aires: IEEE, May 2017, pp. 77–86. doi: 10.1109/ICSE-SEET.2017.10.
- [47] R. Schweitzer, S. Schlögl, and M. Schweitzer, "Technology-Supported Behavior Change—Applying Design Thinking to mHealth Application Development," *EJIHPE*, vol. 14, no. 3, Art. no. 3, Mar. 2024, doi: 10.3390/ejihpe14030039.
- [48] S. Nathan, C. Newman, and K. Lancaster, "Qualitative Interviewing," in *Handbook of Research Methods in Health Social Sciences*, P. Liamputtong, Ed., Singapore: Springer Singapore, 2019, pp. 391–410. doi: 10.1007/978-981-10-5251-4\_77.

E. Knott, A. H. Rao, K. Summers, and C. Teeger, "Interviews in the social sciences," *Nat Rev Methods Primers*, vol. 2, no. 1, Art. no. 1, Sep. 2022, doi: 10.1038/s43586-022-00150-6.

- [50] J. D. Bosse et al., "Patient evaluation of a smartphone application for telehealth care of opioid use disorder," *Addict Sci Clin Pract*, vol. 17, no. 1, Art. no. 1, Sep. 2022, doi: 10.1186/s13722-022-00331-4.
- [51] B. Jeffrey et al., "Mobile phone applications and their use in the self-management of Type 2 Diabetes Mellitus: a qualitative study among app users and non-app users," *Diabetol Metab Syndr*, vol. 11, no. 1, Art. no. 1, Dec. 2019, doi: 10.1186/s13098-019-0480-4.
- [52] BNPB, "KAJIAN RISIKO BENCANA NASIONAL PROVINSI JAWA TENGAH 2022 - 2026." 2021. [Online]. Available: [https://inarisk.bnpb.go.id/pdf/Jawa%20Tengah/Dokumen%20KRB%20Prov.%20Jawa%20Tengah\\_final%20draft.pdf](https://inarisk.bnpb.go.id/pdf/Jawa%20Tengah/Dokumen%20KRB%20Prov.%20Jawa%20Tengah_final%20draft.pdf)