

DAFTAR PUSTAKA

- Abadi, R., Sururi, A. M., & Prihamita, E. (2020). *Fisika Untuk SMA/MA Peminatan Matematika dan Ilmu-Ilmu Alam*. PT. Penerbit Intan Pariwara.
- Abedin, M. A., & Shaw, R. (2015). The role of university networks in disaster risk reduction: Perspective from coastal Bangladesh. *International Journal of Disaster Risk Reduction*, 13, 381–389. <https://doi.org/10.1016/j.ijdr.2015.08.001>
- Agung. (2016). *Sekolah Sungai Mendidik Relawan Peduli Sungai*. <https://ugm.ac.id/id/berita/12329-sekolah-sungai-mendidik-relawan-peduli-sungai>
- Ahmad, R. (2007). Roles Of The University In Disaster Management. *Malaysian Journal of Medical Sciences*, 14(2), 1–3.
- Akhtar-Danesh, N., & Mirza, N. (2017). Relation between Manual Rotation and Abductive Reasoning in Q-Methodology. *Open Journal of Social Sciences*, 05(03), 198–204. <https://doi.org/10.4236/jss.2017.53017>
- Aldunce, P., & León, A. (2007). Opportunities for improving disaster management in Chile: a case study. *Disaster Prevention and Management: An International Journal*, 16(1), 33–41. <https://doi.org/10.1108/09653560710729794>
- Ali, M. S. S., Arsyad, M., Kamaluddin, A., Busthanul, N., & Dirpan, A. (2019). Community based disaster management: Indonesian experience. *IOP Conference Series: Earth and Environmental Science*, 235(1), 1–9. <https://doi.org/10.1088/1755-1315/235/1/012012>
- Amri, A., Bird, D. K., Ronan, K., Haynes, K., & Towers, B. (2017). Disaster Risk Reduction education in Indonesia: Challenges and Recommendations for Scaling up. *Natural Hazards and Earth System Sciences Discussions*, 17(April), 595–612. <https://doi.org/10.5194/nhess-2015-344>
- Amri, Avianto. (2015). *Challenges in implementing disaster risk reduction education : Views from the frontline in Indonesia* (Issue April) [Macquarie University]. <https://doi.org/http://hdl.handle.net/1959.14/1067047>
- Amri, Avianto. (2017). *Pendidikan Tangguh Bencana “Mewujudkan Satuan Pendidikan Aman Bencana di Indonesia”* (P. D. Puspitawati, S. R. Pantjastuti, L. Kurniawan, Praptono, & Y. Tebe (Eds.)). Sekretariat Nasional Satuan Pendidikan Aman Bencana. <http://repositori.kemdikbud.go.id/6107/1/BukuNotesBencana2017.pdf>
- Amri, Avianto, Lassa, J. A., Tebe, Y., Hanifa, N. R., Kumar, J., & Sagala, S. (2022). Pathways to Disaster Risk Reduction Education integration in schools: Insights from SPAB evaluation in Indonesia. *International Journal of Disaster Risk Reduction*, 73(November 2020), 102860. <https://doi.org/10.1016/j.ijdr.2022.102860>
- Anantasari, E., Daly, M., Glassey, P., Grace, E., Coomer, M., & Woods, R. (2017). Disaster Risk Reduction (DRR) Capacity and Capability of Local Government in Indonesia. In Riyanti Djalante, M. Garschagen, F. Thomalla, & R. Shaw (Eds.), *Disaster Risk Reduction in Indonesia*. Springer International Publishing. https://doi.org/10.1007/978-3-319-54466-3_5
- Anderson, A. (2012). Climate Change Education for Mitigation and Adaptation.

- Journal of Education for Sustainable Development*, 6(2), 191–206.
<https://doi.org/10.1177/0973408212475199>
- Anderson, M., & Johnson, W. (2012). *A New Model: Schools As Ecosystems*.
<https://ny.chalkbeat.org/2012/2/6/21096801/a-new-model-schools-as-ecosystems>
- Anisah, N. (2019). Model Sekolah Aman Bencana Dalam Upaya Mewujudkan Pendidikan Karakter di MIN 1 Bantul. *LITERASI*, 10(1), 9–20.
[https://doi.org/10.21927/literasi.2019.10\(1\).9-20](https://doi.org/10.21927/literasi.2019.10(1).9-20)
- Antonczak, L. (2020). Mobile technology: A new ba of work organisation? *Journal of Innovation Economics and Management*, 31(1), 11–37.
<https://doi.org/10.3917/jie.031.0011>
- Apronti, P. T., Osamu, S., Otsuki, K., & Kranjac-Berisavljevic, G. (2015). Education for disaster risk reduction (DRR): Linking theory with practice in Ghana's basic schools. *Sustainability (Switzerland)*, 7(7), 9160–9186.
<https://doi.org/10.3390/su7079160>
- Arbi, I. A. (2021). *[ARSIP KRIMINAL] Tragedi Perampokan Sadis Pulomas, 11 Orang Disekap di Kamar Mandi hingga 6 Tewas*.
<https://megapolitan.kompas.com/read/2021/06/11/06302311/arsip-kriminal-tragedi-perampokan-sadis-pulomas-11-orang-disekap-di-kamar?page=all>
- Arendt, L. A., & Alesch, D. J. (2014). *Long-Term Community Recovery from Natural Disasters* (1st ed.). CRC Press. Boca Raton.
<https://doi.org/https://doi.org/10.1201/b17677>
- Astawa, I. B. M., Budiarta, I. G., & Treman, I. W. (2021). Pengembangan Program Sekolah Berwawasan Lingkungan Dan Mitigasi Bencana (Swaliba) Sekolah Laboratorium UNDIKSHA. *Proceeding Senadimas Undiksha 2021*, 764–772.
- Awaliyah, G., Nursyamsi, M., Intan, N., Kurnia, D., & Hafil, M. (2019). *Mencari Model yang Tepat untuk Pendidikan Mitigasi Bencana*.
<https://www.republika.co.id/berita/nasional/news-analysis/19/01/02/pkojtl430-mencari-model-yang-tepat-untuk-pendidikan-mitigasi-bencana>
- Baird, M. E. (2010). *The “Phases” of Emergency Management*.
https://www.memphis.edu/ifti/pdfs/cait_phases_of_emergency_mngt.pdf
- Bakema, M. M., Parra, C., & McCann, P. (2018). Analyzing the social lead-up to a human-induced disaster: The gas extraction-earthquake nexus in Groningen, The Netherlands. *Sustainability (Switzerland)*, 10(10), 1–20.
<https://doi.org/10.3390/su10103621>
- Banning, J., & Kuk, L. (2005). Campus Ecology and College Student Health. *Spectrum*, 9–15.
https://www.researchgate.net/publication/292156114_Campus_Ecology_and_Student_Health
- Bashatah, L. S. (2016). Q-methodology : What and how ? *Journal of Research & Method in Education*, 6(5), 37–43. <https://doi.org/10.9790/7388-0605053743>
- Beaton, R., Bridges, E., Salazar, M. K., Oberle, M. W., Stergachis, A., Thompson, J., & Butterfield, P. (2008). Ecological model of disaster management. *AAOHN Journal: Official Journal of the American Association of Occupational Health Nurses*, 56(11), 471–478.

<https://doi.org/10.3928/08910162-20081101-01>

- Berkowitz, A., Ford, M. E., & Brewer, C. (2005). A framework for integrating ecological literacy, civics literacy and environmental citizenship in environmental education. *Environmental Education and Advocacy: Changing Perspectives of Ecology and Education*, 227–266.
- Biersack, A., & Greenberg, J. (2006). Reimagining Political Ecology. *Bibliovault OAI Repository, the University of Chicago Press*.
<https://doi.org/10.1215/9780822388142-001>
- BNPB. (2015). *National progress report on the implementation of the Hyogo Framework for Action (2013-2015)*.
- Boiral, O. (2002). Tacit knowledge and environmental management. *Long Range Planning*, 35(3), 291–317. [https://doi.org/10.1016/S0024-6301\(02\)00047-X](https://doi.org/10.1016/S0024-6301(02)00047-X)
- Briceño, S. (2007). *Disaster risk reduction begins at school*. United Nations International Strategy for Disaster Reduction - UNISDR.
- Brown, S. R. (1993). A Primer on Q Methodology. *Operant Subjectivity*, 16(3/4), 91–138.
- Brown, S. R. (1996). Q Methodology and Qualitative Research. *Qualitative Health Research*, 6(4), 561–567. <https://doi.org/10.1177/104973239600600408>
- Bubolz, M. M., & Sontag, M. S. (1993). Human Ecology Theory. In P. G. Boss, W. J. Doherty, R. LaRossa, W. R. Schumm, & S. K. Steinmetz (Eds.), *Sourcebook of Family Theories and Methods: A Contextual Approach* (pp. 419–420). Plenum Press, New.
- Burchett, J. H. (2015). *Environmental Literacy and its Implications for Effective Public Policy Formation* [University of Tennessee, Knoxville].
https://trace.tennessee.edu/utk_bakerschol/27
- Capra, F. (2009). *Systems thinking includes a shift of emphasis from structure to process*. THE NEW FACTS OF LIFE.
<https://www.ecoliteracy.org/article/new-facts-life#>
- Casper, A. M. A., Fernández-Giménez, M. E., & Balgopal, M. M. (2021). A tool for measuring ecological literacy: coupled human-ecosystem interactions. *Journal of Agricultural Education and Extension*, 27(1), 21–34.
<https://doi.org/10.1080/1389224X.2020.1780139>
- Center for Ecoliteracy. (2012). *Systems Thinking As A Component Of Ecological Literacy*. <https://www.ecoliteracy.org/article/systems-thinking#>
- Cherrett, J. M. (1989). *Key concepts: the results of a survey of our members' opinions*.
- Coates, R. (2021). Educational hazards? The politics of disaster risk education in Rio de Janeiro. *Disasters*, 45(1), 86–106. <https://doi.org/10.1111/disa.12399>
- Cohen, S. (2022). *What is The Concept of Political Ecology?* Interfaith Center for Sustainable Development. <https://interfaithsustain.com/political-ecology/>
- Coyle, K. (2005). *Environmental Literacy in America* (Vol. 23, Issue 3).
<https://doi.org/10.4324/9781315169682-1>
- Creswell, J. W. (2019). *Research Design Pendekatan Metode Kualitatif, Kuantitatif, dan Campuran* (6th ed.). Pustaka Pelajar.
- Cutter-Mackenzie, A., & Edwards, S. (2013). Toward a model for early childhood environmental education: Foregrounding, developing, and connecting

- knowledge through play-based learning. *Journal of Environmental Education*, 44(3), 195–213. <https://doi.org/10.1080/00958964.2012.751892>
- Cutter-Mackenzie, A., & Smith, R. (2003). Ecological literacy: The ‘missing paradigm’ in environmental education (part one). *Environmental Education Research*, 9(4), 497–524. <https://doi.org/10.1080/1350462032000126131>
- Dal, B., Alper, U., Özdem-yilmaz, Y., & Öztürk, N. (2015). A model for pre-service teachers’ climate change awareness and willingness to act for pro-climate change friendly behavior: adaptation of awareness to climate change questionnaire. *International Research in Geographical and Environmental Education*, April, 37–41. <https://doi.org/10.1080/10382046.2015.1034456>
- Das, A., & Luthfi, A. (2017). Chapter 4 Disaster Risk Reduction in Post-Decentralisation Indonesia: Institutional Arrangements and Changes. In R. Djalante, M. Garschagen, F. Thomalla, & R. Shaw (Eds.), *Disaster Risk Reduction in Indonesia: Progress, Challenges, and Issues* (1st ed., pp. 85–125). Springer International Publishing.
- Davis, C. H., & Michelle, C. (2011). Q Methodology in Audience Research: Bridging the Qualitative / Quantitative ‘Divide’? *Journal of Audience & Reception Studies*, 8(2), 559–593.
- de Pauw, J. B., & van Petegem, P. (2011). The effect of Flemish eco-schools on student environmental knowledge, attitudes, and affect. *International Journal of Science Education*, 33(11), 1513–1538. <https://doi.org/10.1080/09500693.2010.540725>
- DeKay, M. (1996). Systems thinking as the basis for an ecological design education. *21st National Passive Solar Conference, American Solar Energy Society, Asheville, NC*. https://www.researchgate.net/publication/267304759_SYSTEMS_THINKING_AS_THE_BASIS_FOR_AN_ECOLOGICAL_DESIGN_EDUCATION
- Desfandi, M. (2014). Urgensi Kurikulum Pendidikan Kebencanaan Berbasis Kearifan Lokal Di Indonesia. *SOSIO DIDAKTIKA: Social Science Education Journal*, 1(2), 191–198. <https://doi.org/10.15408/sd.v1i2.1261>
- Desfandi, M., Maryani, E., & Disman. (2017). Building Ecoliteracy Through Adiwiyata Program (Study at Adiwiyata School in Banda Aceh). *Indonesian Journal of Geography*, 49(1), 51–56. <https://doi.org/10.22146/ijg.11230>
- Djalante, R., & Garschagen, M. (2017). Chapter 2 A Review of Disaster Trend and Disaster Risk Governance in Indonesia: 1900–2015. In R. Djalante, M. Garschagen, F. Thomalla, & R. Shaw (Eds.), *Disaster Risk Reduction in Indonesia: Progress, Challenges, and Issues* (1st ed., pp. 21–56). Springer International Publishing. <https://doi.org/10.1007/978-3-319-54466-3>
- Djalante, R., Garschagen, M., Thomalla, F., & Shaw, R. (2017). Chapter 1 Introduction: Disaster Risk Reduction in Indonesia: Progress, Challenges, and Issues Riyanti. In R. Djalante, M. Garschagen, F. Thomalla, & R. Shaw (Eds.), *Disaster Risk Reduction in Indonesia: Progress, Challenges, and Issues* (pp. 1–20). Springer International Publishing. https://doi.org/10.1007/978-3-319-54466-3_17
- Djalante, R., Shaw, R., & DeWit, A. (2020). Building resilience against biological hazards and pandemics: COVID-19 and its implications for the Sendai

- Framework. *Progress in Disaster Science*, 6. <https://doi.org/10.1016/j.pdisas.2020.100080>
- Dube, E. (2015). Improving disaster risk reduction capacity of district civil protection units in managing veld fires: A case of Mangwe District in Matabeleland South Province, Zimbabwe. *Jamba: Journal of Disaster Risk Studies*, 7(1), 1–13. <https://doi.org/10.4102/jamba.v7i1.143>
- Duffy, N. (2018). A NEW APPROACH TO DISASTER EDUCATION. *The International Emergency Management Society (TIEMS) Annual Conference, Manila, Philippines, 13-16, November*, 1–10.
- Dwiningrum, S. I. A., & Sudaryono, S. U. (2010). Peran sekolah dalam pembelajaran mitigasi bencana. *Jurnal Dialog Penanggulangan Bencana*, 1(1), 30–42.
- Dyer, A. (2007). Inspiration, Enchantment and a Sense of Wonder . Can a New Paradigm in Education Bring Nature and Culture Together Again? *International Journal of Heritage Studies: IJHS*, 13(4–5), 393–404. <https://doi.org/10.1080/13527250701351106>
- Emzir. (2010). *Metodologi Penelitian Pendidikan Kuantitatif & Kualitatif*. PT RajaGrafindo Perkasa.
- Erfit. (2017). Pemanfaatan Dana Corporate Social Responsibility (CSR) Untuk Pembiayaan Pembangunan Pertanian di Provinsi Jambi. *Jurnal Perspektif Pembiayaan Dan Pembangunan Daerah*, 4(3), 143–154. <https://media.neliti.com/media/publications/125028-ID-pemanfaatan-dana-corporate-social-respon.pdf>
- Estrella, M., & Salismaa, N. (2013). Ecosystem-based disaster risk reduction (Eco-DRR): An overview. In F. G. Renaud, K. Sudmeier-Rieux, & E. Marisol (Eds.), *The role of ecosystems in disaster risk reduction* (1st ed., pp. 26–54). United Nation University Press.
- Exel, J., & Graaf, G. (2005). *Q Methodology: A Sneak Preview*.
- Fachmi, T. (2020). *Ekopedagogik Dan Manusia Otentik*. Geotimes. <https://geotimes.co.id/kolom/ekopedagogik-dan-manusia-otentik/>
- Fang, W.-T., Hassan, A., & LePage, B. A. (2022). *The Living Environmental Education Sound Science Toward a Cleaner, Safer, and Healthier Future* (Sustainabl). Springer. <https://doi.org/10.1007/978-981-19-4234-1>
- Federal Emergency Management Agency. (2002). *Mitigation Case Studies Protecting School Children from Tornadoes. State of Kansas School Shelter Initiative* (Issue August). https://www.fema.gov/sites/default/files/2020-08/protecting_school_children_tornadoes_ks_ssi.pdf
- Fernandez, G., Uy, N., & Shaw, R. (2012). Chapter 11 Community-based disaster risk management experience of the philippines. In *Community, Environment and Disaster Risk Management* (Vol. 10, Issue 2012, pp. 205–231). Emerald Group Publishing Ltd. [https://doi.org/10.1108/S2040-7262\(2012\)0000010017](https://doi.org/10.1108/S2040-7262(2012)0000010017)
- Fujioka, T. (2016). Disaster Prevention Education in the Japanese School Curricula in Recent Years: Current Status and Future Challenges. In K. Shiwaku, A. Sakurai, & R. Shaw (Eds.), *Disaster Resilience of Education Systems, Disaster Risk Reduction* (pp. 39–52). Springer Japan. https://doi.org/10.1007/978-4-431-55982-5_4

- Gaillard, J. C. (2010). Vulnerability, Capacity and Resilience: Perspectives For Climate and Development Policy. *Journal of International Development*, 22, 218–232. <https://doi.org/10.1002/jid>
- Galderisi, A., & Altay-Kaya, D. (2021). Chapter 6 A New Framework for a Resilience-Based Disaster Risk Management. In S. Eslamian & F. Eslamian (Eds.), *Handbook of Disaster Risk Reduction for Resilience*. Springer Nature Switzerland AG 2021. https://doi.org/https://doi.org/10.1007/978-3-030-61278-8_6
- Galperin, A., & Wilkinson, E. (2015). *Strengthening Disaster Risk Governance: UNDP Support during the HFA Implementation Period 2005-2015*.
- Glavič, P. (2020). Identifying Key Issues of Education for Sustainable Development. *Sustainability (Basel, Switzerland)*, 12(16), 6500. <https://doi.org/10.3390/su12166500>
- Global Framework for Disaster Risk Reduction. (2014). In *Hyogo Framework for Action and Urban Disaster Resilience* (Vol. 16, pp. 13–37). Emerald Group Publishing Limited. <https://doi.org/10.1108/S2040-726220140000016015>
- Goleman, D., Bennett, L., & Barlow, Z. (2013). *Five Ways to Develop “Ecoliteracy.”* https://greatergood.berkeley.edu/article/item/five_ways_to_develop_ecoliteracy
- Gusnita, D. (2014). Pencemaran smog (asap kabut) sebagai dampak aktivitas antropogenik. *Berita Dirgantara*, 15(2), 84–89. http://jurnal.lapan.go.id/index.php/berita_dirgantara/article/view/2108
- Ha, C., Huang, G., Zhang, J., & Dong, S. (2022). Assessing ecological literacy and its application based on linguistic ecology: a case study of Guiyang City, China. *Environmental Science and Pollution Research*, 29(13), 18741–18754. <https://doi.org/10.1007/s11356-021-16753-7>
- Hastiningrum, D. (2019). School Policies on Environmental and Disaster Mitigation (SWALIBA) at SMA Negeri 2 Klaten. *PROSIDING SEMINAR NASIONAL: Kebijakan Dan Pengembangan Pendidikan Di Era Revolusi Industri 4.0., September*, 161–170.
- Hempel, M. (2014). Ecoliteracy: Knowledge is not enough. In L. Mastny (Ed.), *State of the World 2014: Governing for Sustainability* (pp. 41–52). Worldwatch Institute. https://doi.org/10.5822/978-1-61091-542-7_4
- Hoffmann, R., & Blecha, D. (2020). Education and Disaster Vulnerability in Southeast Asia: Evidence and Policy Implications. *Sustainability (Basel, Switzerland)*, 12(4), 1401. <https://doi.org/10.3390/su12041401>
- Hollweg, K., Taylor, J., Bybee, R., Marcinkowski, T., McBeth, W., & Zoido, P. (2011). *Developing a framework for assessing environmental literacy*. <https://cdn.naaee.org/sites/default/files/devframeworkassessenvlitonlineed.pdf>
- Hollweg, Karen. (2021). *What is Environmental Literacy?* Community for Advancing Discovery Research in Education. <https://cadrek12.org/resources/blogs/what-environmental-literacy>
- Hoque, S. F., Quinn, C. H., & Sallu, S. M. (2017). *Resilience , political ecology , and well-being : an interdisciplinary approach to understanding social-ecological change in coastal Bangladesh*. 22(2), 1–20.

- Hungerford, H., Peyton, R. Ben, & Wilke, R. J. (1980). Goals for Curriculum Development in Environmental Education. *The Journal of Environmental Education*, 11(3), 42–47. <https://doi.org/10.1080/00958964.1980.9941381>
- Husein, R. (2014). Bencana Di Indonesia Dan Pergeseran Paradigma Penanggulangan Bencana: Catatan Ringkasan. In *Workshop Fiqh Kebencanaan oleh Majelis Tarjih dan Tajdid PP Muhammadiyah* (Issue 1, pp. 1–5). <https://mip.umsida.ac.id/wp-content/uploads/2018/07/BENCANA-DI-INDONESIA-DAN-PERGESERAN-PARADIGMA-PENANGGULANGAN-BENCANA-CATATAN-RINGKASAN.pdf>
- Ichinose, T. (2014). Chapter 5 Disaster-Affected Schools and School Districts After the East Japan Earthquake and Tsunami: Issues for Recovery Education. In Rajib Shaw & Y. Ikawa (Eds.), *Education for Sustainable Development and Disaster Risk Reduction, Disaster Risk Reduction: Methods, Approaches and Practices* (pp. 75–86). Springer Japan. https://doi.org/10.1007/978-4-431-55090-7_5
- Ilieva, L. (2019). *Research on Ecosystem Based (EBA): A reference guide*.
- International Finance Corporation. (2010). *Disaster and Emergency Preparedness: Guidance for Schools*. Health and Education Department, International Finance Corporation, World Bank Group.
- Irie, S. (2021). Chapter 13 Disaster Broadcasting: Challenges, Evolution and Lessons from Japan. In R. Shaw, S. Kakuchi, & M. Yamaji (Eds.), *Media and Disaster Risk Reduction Advances, Challenges and Potentials* (pp. 201–220). Springer Nature Singapore Pte Ltd. 2021. https://doi.org/10.1007/978-981-16-0285-6_13
- Irnaningtyas. (2016). *Biologi Untuk SMA/MA Kelas X Kelompok Peminatan Matematika dan Ilmu Ilmu Alam* (Revisi 201). Penerbit Erlangga.
- Jabareen, Y. (2013). Planning the resilient city: Concepts and strategies for coping with climate change and environmental risk. *Cities*, 31, 220–229. <https://doi.org/10.1016/j.cities.2012.05.004>
- Jannah, M., Halim, L., Meerah, T. S. M., & Fairuz, M. (2013). Impact of Environmental Education Kit on students' environmental literacy. *Asian Social Science*, 9(12 SPL ISSUE), 1–12. <https://doi.org/10.5539/ass.v9n12p1>
- Jati, W. R. (2012). Analisis Penanggulangan Bencana Berbasis Perspektif Cultural Theory. *Jurnal Dialog Penanggulangan Bencana*, 4(1), 1–70.
- Johns, R. A., & Pontes, R. (2019). Parks, rhetoric and environmental education: challenges and opportunities for enhancing ecoliteracy. *Journal of Outdoor and Environmental Education*, 22(1), 1–19. <https://doi.org/10.1007/s42322-019-0029-x>
- Johnson, G. M., & Puplampu, K. P. (2008). Internet use during childhood and the ecological techno- subsystem. *Canadian Journal of Learning and Technology / La Revue Canadienne de l'apprentissage et de La Technologie*, 34(1), 1–11. <http://www.cjlt.ca/index.php/cjlt/rt/prINTERfriendly/172/168>
- Johnson, V. A., Ronan, K. R., Johnston, D. M., & Peace, R. (2014). Evaluations of disaster education programs for children: A methodological review. *International Journal of Disaster Risk Reduction*, 9, 107–123. <https://doi.org/10.1016/j.ijdr.2014.04.001>

- Jordan, S., & McSwiggan, G. (2012). *The Role of Business in Disaster Response*.
- Kemendiknas. (2010). *Kerangka Acuan Pendidikan Karakter Tahun Anggaran 2010*. Direktorat Ketenagaan Direktorat Jenderal Pendidikan Tinggi.
- Kemenko PMK. (2021). *Peran Gerakan Pramuka Dalam Penanggulangan Bencana Perlu Dikuatkan*. <https://www.kemenkopmk.go.id/peran-gerakan-pramuka-dalam-penanggulangan-bencana-perlu-dikuatkan>
- Keraf, A. S. (2010). *Etika Lingkungan Hidup* (1st ed.). PT Kompas Media Nusantara.
https://books.google.co.id/books?id=gW6qG0DQ2_cC&printsec=frontcover#v=onepage&q&f=false
- Kilanowski, J. F. (2017). Breadth of the Socio-Ecological Model. *Journal of Agromedicine*, 22(4), 295–297.
<https://doi.org/10.1080/1059924X.2017.1358971>
- Kinslow, A. T., Sadler, T. D., & Nguyen, H. T. (2019). Socio-scientific reasoning and environmental literacy in a field-based ecology class. *Environmental Education Research*, 25(3), 388–410.
<https://doi.org/10.1080/13504622.2018.1442418>
- Kominfo. (2021). *Pentingnya Satgas COVID-19 di Sekolah untuk Kawal Penerapan Protokol Kesehatan*. <https://covid19.go.id/p/berita/pentingnya-satgas-covid-19-di-sekolah-untuk-kawal-penerapan-protokol-kesehatan>
- Koswara, A., Amr, A., Zainuddin, F. K., Ngurah, I., Muzaki, J., Muttmainnah, L., Utaminingsih, M., Saleky, S. R. J., Widowati, & Tebe, Y. (2019). *Pendidikan Tangguh Bencana “Mewujudkan Satuan Pendidikan Aman Bencana di Indonesia.”* Sekretariat Nasional Satuan Pendidikan Aman Bencana.
- Krasny, M. E., & DuBois, B. (2019). Climate adaptation education: embracing reality or abandoning environmental values. *Environmental Education Research*, 25(6), 883–894. <https://doi.org/10.1080/13504622.2016.1196345>
- KSR Unair. (2020). Pengantar Manajemen Bencana. In *Artikel UKM KSR-PMI*. <http://ksr-pmi.ukm.unair.ac.id/2020/04/16/pengantar-manajemen-bencana/>
- Lim, A. A. (2003). The Role of the Business Sector in Disaster Preparedness and Response. *The International Conference on Total Disaster Risk Management 2-4 December 2003, December*, 115–118.
- Locke, S., Russo, R., & Montoya, C. (2013). Environmental education and eco-literacy as tools of education for sustainable development. *Journal of Sustainability Education*, 4(January), 10.
<http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,url,cookie,uid&db=eue&AN=86430930&site=ehost-live&scope=site>
- Maarif, S. (2012). *PIKIRAN dan GAGASAN Penanggulangan Bencana di Indonesia* (1st ed.). Badan Nasional Penanggulangan Bencana.
- Maknun, J. (2015). Pembelajaran Mitigasi Bencana Berorientasi Kearifan Lokal Pada Pembelajaran IPA Di Sekolah Menengah Kejuruan. *Atikan: Jurnal Kajian Pendidikan*, 5(1), 143–156. www.mindamas-journals.com/index.php/atikan%0A143
- Malalgoda, C., Amaratunga, D., & Pathirage, C. (2010). Role of the local governments in disaster risk reduction. *COBRA 2010 - Construction, Building and Real Estate Research Conference of the Royal Institution of Chartered*

Surveyors, March 2016.

- Mamon, M. A. C., Suba, R. A. V., & Son Jr, I. L. (2017). Disaster Risk Reduction Knowledge of Grade 11 Students: Impact of Senior High School Disaster Education in the Philippines. *International Journal of Health System and Disaster Management*, 5(3), 69–74. <https://doi.org/10.4103/ijhsdm.ijhsdm>
- Manajemen Pendidikan Indonesia. (2018). *PANDUAN ADIWIYATA “Sekolah Peduli Dan Berbudaya Lingkungan.”* <https://manajemenpendidikan.net/adiwiyata/panduan-adiwiyata-sekolah-peduli-dan-berbudaya-lingkungan/>
- Manyena, S. B. (2012). Disaster and Development Paradigms: Too Close for Comfort? *Development Policy Review*, 30(3), 327–345. <https://doi.org/10.1111/j.1467-7679.2012.00579.x>
- Marcinkowski, T. (1990). The relationship between environmental literacy and students’ participation in global online collaboration. *Seminaire International d’Experts Sur Development Des Methods et Des Moyens Techniques de l’Evaluation En Education Relative a l’Environment*.
- Mardiah, A. N. R., Lovett, J. C., & Evanty, N. (2017). Chapter 3 Toward Integrated and Inclusive Disaster Risk Reduction in Indonesia: Review of Regulatory Frameworks and Institutional Networks. In R. Djalante, M. Garschagen, F. Thomalla, & R. Shaw (Eds.), *Disaster Risk Reduction in Indonesia: Progress, Challenges, and Issues* (1st ed., pp. 57–84). Springer International Publishing.
- Marten, G. G. (2001). *Human Ecology - Basic Concepts for Sustainable Development*. Earthscan Publications. <http://gerrymarten.com/human-ecology/chapter09.html>
- Maryani, E. (2021). The role of education and geography on disaster preparedness. *IOP Conference Series: Earth and Environmental Science*, 683(1), 1–8. <https://doi.org/10.1088/1755-1315/683/1/012043>
- Maryani, Enok. (2016). Model Pembelajaran Mitigasi Bencana Dalam Ilmu Pengetahuan Sosial Di Sekolah Menengah Pertama. *Jurnal Geografi Gea*, 10(1). <https://doi.org/10.17509/gea.v10i1.1664>
- McBride, B. B., Brewer, C. A., Berkowitz, A. R., & Borrie, W. T. (2013). Environmental literacy, ecological literacy, ecoliteracy: What do we mean and how did we get here? *Ecosphere*, 4(5). <https://doi.org/10.1890/ES13-00075.1>
- Meek, D., & Lloro-Bidart, T. (2017). Introduction: Synthesizing a political ecology of education. *The Journal of Environmental Education*, 48(4), 213–225. <https://doi.org/10.1080/00958964.2017.1340054>
- Merchant, A. (2015). Children and Disaster Education: An Analysis of Disaster Risk Reduction within the School Curricula of Oregon, Texas, and the Philippines [Concordia University - Portland]. In *MA IDS Thesis Projects*. <http://commons.cu-portland.edu/gradproj/26>
- Michael, R. (1996). *Environmental education: A study of how it is influenced and informed by the concepts of environmentalism*. La Trobe University Melbourne, Australia.
- Miles, M. B., & Huberman, A. M. (1992). *Analisis data kualitatif: buku sumber tentang metode-metode baru* (1st ed.). UI Press.
- Moe, T. L., & Pathranarakul, P. (2006). An integrated approach to natural disaster

- management. *Disaster Prevention and Management: An International Journal*, 15(3), 396–413. <https://doi.org/10.1108/09653560610669882>
- Mohinuddin, M. (2022). *Paradigm Shift in Disaster Management*. <https://www.sweducarebd.com/2022/04/paradigm-shift-in-disaster-management.html>
- Monaghan, K., & Curthoys, L. (2008). Addressing Barriers to Ecological Literacy. *Pathways: The Ontario Journal of Outdoor Education*, 20(3), 12–16. <https://eric.ed.gov/?id=EJ895050>
- Mukarji, A. (2019). *Role of Education for Mitigation and Adaptation to Climate Change*. <https://www.tiredearth.com/articles/role-education-mitigation-and-adaptation-climate-change>
- Muliana, A., Maryani, E., & Somantri, L. (2018). Ecoliteracy Level of Student Teachers (Study toward Students of Universitas Syiah Kuala Banda Aceh). *IOP Conference Series: Earth and Environmental Science*, 145(1), 1–7. <https://doi.org/10.1088/1755-1315/145/1/012061>
- Mulyasari, F., Takeuchi, Y., & Shaw, R. (2011). Chapter 7 Implementation Tools For Disaster Education. In R. Shaw, K. Shiwaku, & Y. Takeuchi (Eds.), *Community, Environment And Disaster Risk Management Volume 7 Disaster Education* (1st ed., pp. 137–151). Emerald Group Publishing Limited. [https://doi.org/10.1108/S2040-7262\(2011\)0000007013](https://doi.org/10.1108/S2040-7262(2011)0000007013)
- Mutammam, M. B., & Budiarto, M. T. (2013). Pemetaan Perkembangan Kognitif Piaget Siswa Sma Menggunakan Tes Operasi Logis (TOL) Piaget Ditinjau Dari Perbedaan Jenis Kelamin. *MATHEdunesa*, 2(2), 1–6. <https://jurnalmahasiswa.unesa.ac.id/index.php/mathedunesa/article/view/2701/5684>
- Mutasa, S. (2016). *Disaster Education : A critical analysis of the integration of Disaster Risk Reduction in Primary School Curriculum in Botswana S Mutasa* (Issue October). Potchefstroom Campus of the North-West University.
- Naheed, S. (2021). Chapter 1 Understanding Disaster Risk Reduction and Resilience: A Conceptual Framework. In S. Eslamian & F. Eslamian (Eds.), *Handbook of Disaster Risk Reduction for Resilience New Frameworks for Building Resilience to Disasters* (pp. 1–26). Springer Nature Switzerland AG 2021. https://doi.org/https://doi.org/10.1007/978-3-030-61278-8_1
- Nakano, G. (2016). *Institutionalization of Education for Effective Disaster Risk Reduction in Uttarakhand, India*. Kyoto University.
- Nakano, G., & Shaw, R. (2018). 11 - Education governance and the role of Science and Technology (R. Shaw, K. Shiwaku, & T. B. T.-S. and T. in D. R. R. in A. Izumi (Eds.); pp. 175–196). Academic Press. <https://doi.org/https://doi.org/10.1016/B978-0-12-812711-7.00011-0>
- Nakano, G., Suwa, S., Shiwaku, K., & Shaw, R. (2016). Curriculum of Maiko High School in Kobe. In K. Shiwaku, A. Sakurai, & R. Shaw (Eds.), *Disaster Resilience of Education Systems, Disaster Risk Reduction* (pp. 73–91). Springer Japan. https://doi.org/10.1007/978-4-431-55982-5_6
- Nassopoulos, H., Ehret, M., Vuilet, M., Cariolet, J. M., Colombet, M., & Diab, Y. (2015). *State of the Art Report (1) Resilience , Adaptation and Disaster Risk Reduction* (Issue 1). https://resin-cities.eu/fileadmin/user_upload/D1-

1_SOTAdefinitions_EIVP_2015-Nov-30.pdf

- Nicholas, J. B. (2011). Reliability in Q Methodology: A Case Study. *The Eastern Education Research Association Annual Conference*, 1–20. https://www.academia.edu/718386/Reliability_in_Q_Methodology_A_Case_Study?auto=download
- Nijnik, M., Miller, D., & Nijnik, A. (2013). Annex 2: Stakeholder evaluation of ecosystem services of trees: a multi-national Q-study with a particular focus on tree-line areas in Scotland. *Journal of Settlements and Spatial Planning*, 2, 185–190.
- Norris, F. H., Stevens, S. P., Pfefferbaum, B., Wyche, K. F., & Pfefferbaum, R. L. (2008). Community resilience as a metaphor, theory, set of capacities, and strategy for disaster readiness. *American Journal of Community Psychology*, 41(1–2), 127–150. <https://doi.org/10.1007/s10464-007-9156-6>
- Nuridin, N. (2019). *DISASTER RISK REDUCTION IN EDUCATION AND THE SECONDARY HIGH SCHOOL SCIENCE CURRICULUM IN INDONESIA*. University College London.
- Nuridin, N., Rafliana, I., Hidayati, S., Oktari, R. S., & Djalante, R. (2017). Integrating Disaster Risk Reduction and Climate Change Adaptation into School Curricula: From National Policy to Local Implementation. In R. Djalante, M. Garschagen, F. Thomalla, & R. Shaw (Eds.), *Disaster Risk Reduction in Indonesia. Progress, Challenges, and Issues*. Springer International Publishing. https://doi.org/DOI 10.1007/978-3-319-54466-3_8
- Nurmardiansyah, E. (2014). Eco-Philosophy Dan Implikasinya Dalam Politik Hukum Lingkungan Di Indonesia. *MELINTAS*, 30(1), 70–104.
- Nurwidodo, N., Amin, M., Ibrohim, I., & Sueb, S. (2020). The role of eco-school program (Adiwiyata) towards environmental literacy of high school students. *European Journal of Educational Research*, 9(3), 1089–1103. <https://doi.org/10.12973/EU-JER.9.3.1089>
- Oktari, R. S., Shiwaku, K., Munadi, K., Syamsidik, & Shaw, R. (2015). A conceptual model of a school-community collaborative network in enhancing coastal community resilience in Banda Aceh, Indonesia. *International Journal of Disaster Risk Reduction*, 12(2015), 300–310. <https://doi.org/10.1016/j.ijdr.2015.02.006>
- Orr, D. W. (1992). *Ecological Literacy: Education and the Transition to a Postmodern World*. SUNY Series In Constructive Postmodern Thought. State University of New York Press, State University Plaza, Albany, NY 12246.
- Pahleviannur, M. R. (2019). Edukasi Sadar Bencana Melalui Sosialisasi Kebencanaan Sebagai Upaya Peningkatan Pengetahuan Siswa Terhadap Mitigasi Bencana. *Jurnal Pendidikan Ilmu Sosial*, 29(1), 49–55. <https://doi.org/10.23917/jpis.v29i1.8203>
- Pandey, B. H. (2007). Disaster Education in Fiji, Indonesia, and Uzbekistan. In *Disaster Education* (pp. 67–90). Building Research Institute (BRI), National Graduate Institute for Policy Studies (GRIPS). https://www.preventionweb.net/files/3442_DisasterEducation.pdf
- Pandey, B., & Okazaki, K. (2012). *Community Based Disaster Management: Empowering Communities to Cope with Disaster Risks*.

- Pardede, P. (2009). *Paradigma Penelitian*.
<https://parlindunganpardede.wordpress.com/class-assignment/research/articles/paradigma-penelitian/>
- Paryanti, S., Pursitasari, I. D., & Rubini, B. (2021). Ecoliteracy of Junior High School Students in Science Lesson on Environmental Pollution Theme. *Scientiae Educatia*, 10(1), 12.
<https://doi.org/10.24235/sc.educatia.v10i1.8073>
- Pascapurnama, D. N., Murakami, A., Chagan-Yasutan, H., Hattori, T., Sasaki, H., & Egawa, S. (2018). Integrated health education in disaster risk reduction: Lesson learned from disease outbreak following natural disasters in Indonesia. *International Journal of Disaster Risk Reduction*, 29(December), 94–102.
<https://doi.org/10.1016/j.ijdr.2017.07.013>
- Pemerintah Provinsi Jawa Barat. (2019). *Sinergitas Pentahelix Atasi Bencana di Jabar*.
https://jabarprov.go.id/index.php/news/31860/Sinergitas_Pentahelix_Atasi_Bencana_di_Jabar
- Permanasari, G. H., & Suherman, S. (2021). Penerapan Pendidikan Lingkungan Hidup di Sekolah sebagai Upaya Mitigasi Bencana. *Prosiding SNST ...*, 34–38.
https://publikasiilmiah.unwahas.ac.id/index.php/PROSIDING_SNST_FT/article/view/4971%0Ahttps://publikasiilmiah.unwahas.ac.id/index.php/PROSIDING_SNST_FT/article/download/4971/3797
- Pitaloka, D. A. (2017). *Suka duka warga Sleman yang tinggal di Rumah Teletubbies*. <https://www.rappler.com/world/bahasa-indonesia/rumah-teletubbies-new-nglepen>
- Prasetyo, W. H., Ishak, N. A., Basit, A., Dewantara, J. A., Hidayat, O. T., Casmana, A. R., & Muhibbin, A. (2020). Caring for the environment in an inclusive school: The adiwiyata green school program in indonesia. *Issues in Educational Research*, 30(3), 1040–1057.
- Pribadi, K. S., & Yuliawati, A. K. (2009). Pendidikan Siaga Bencana Gempa Bumi Sebagai Upaya Meningkatkan Keselamatan Siswa (Studi Kasus Pada SDN Cirateun dan SDN Padasuka 2 Kabupaten Bandung). *ABMAS Media Komunikasi Dan Informasi Pengabdian Kepada Masyarakat*, 9(9).
http://jurnal.upi.edu/file/KRISHNA_S_PIRIBADI_-_ITB.pdf
- Putri, G. S. (2021). *Mengenang Gempa Jogja 2006, Ini Mekanisme dan Potensi Bahayanya*.
<https://www.kompas.com/sains/read/2021/05/27/120200623/mengenang-gempa-jogja-2006-ini-mekanisme-dan-potensi-bahayanya?page=all>
- Rahardjo, S. B., & Ispriyanto. (2016). *Buku Siswa Kimia Berbasis Eksperimen 2 untuk Kelas XI SMA dan MA Kelompok Peminatan Matematika dan Ilmu-Ilmu Alam* (Supardi (Ed.)). PT. Tiga Serangkai Pustaka Mandiri.
- Rahma, A., Mardiatno, D., & Rahmawati Hizbaron, D. (2020). Q methodology to determine distinguishing and consensus factors (a case study of university students' ecoliteracy on disaster risk reduction). *E3S Web of Conferences*, 200, 1–7. <https://doi.org/10.1051/e3sconf/202020001003>
- Rahman, B., Abdurrahman, A., Riswandi, R., & Maulina, H. (2019). Green School

- Based Management Model as A Powerful Alternative Solution to Overcome Global Climate Change: A Need Assessment Survey Analysis of Teacher in Lampung, Indonesia. *Journal of Physics: Conference Series*, 1155(1), 1–6. <https://doi.org/10.1088/1742-6596/1155/1/012086>
- Rahman, K., & Samsurizal, D. (2018). *Mitigasi Bencana Tanah Longsor*. <http://bpbd.jogjaprovo.go.id/berita/mitigasi-bencana-tanah-longsor-1>
- Rambo, A. T. (1983). *Conceptual Approaches to Human Ecology* (Issue 14).
- Ramlo, S. (2015). Q Methodology as a Tool for Program Assessment. *Mid-Western Educational Researcher*, 27, 207–223.
- Ramlo, S. E. (2008). Determining the various perspectives and consensus within a classroom using Q methodology. *AIP Conference Proceedings*, 1064, 179–182. <https://doi.org/10.1063/1.3021248>
- Ramlo, S. E. (2021). Universities and the COVID-19 Pandemic: Comparing Views about How to Address the Financial Impact. *Innovative Higher Education*. <https://doi.org/10.1007/s10755-021-09561-x>
- Rauch, F. (2000). Schools - A place of ecological learning. *Environmental Education Research*, 6(3), 245–258. <https://doi.org/10.1080/713664679>
- Ridwanuddin, P. (2020). *Bangun Ekoliterasi untuk Hadapi Krisis Iklim dan Bencana*. JPIC-OFM Indonesia. <https://jpicofmindonesia.org/2020/01/bangun-ekoliterasi-untuk-hadapi-krisis-iklim-dan-bencana/>
- RIEEA. (2019). *Assessment of Environmental Literacy Project Final Report – July 17, 2019*. <http://riea.org/wp-content/uploads/2019/07/Assessing-Environmental-Literacy-Project-Final-Report-2019.07.29.pdf>
- Riyandi, R., & Rahadi, F. (2017). *Lima Program Unggulan Pelestarian Lingkungan Hidup Muhammadiyah*. <https://www.republika.co.id/berita/nasional/sang-pencerah/17/05/25/oqif1d291-lima-program-unggulan-pelestarian-lingkungan-hidup-muhammadiyah>
- Rizkiyah, P., Liyushiana, L., & Herman, H. (2019). Sinergitas Pentahelix Dalam Pemulihan Pariwisata Pasca Bencana Erupsi Gunung Api Sinabung Di Kabupaten Karo, Sumatera Utara. *Jurnal IPTA*, 7(2), 247. <https://doi.org/10.24843/ipta.2019.v07.i02.p15>
- Rohy, W. K. (2016). Perkembangan Gerakan Earth Hour sebagai Bentuk Pencegahan Perubahan Iklim Dunia Tahun 2007-2015. *Global & Policy*, 4(1).
- Ronan, K., & Johnston, D. (2005). *Promoting Community Resilience in Disasters: The Role for Schools, Youth, and Families*. Springer Science+Business Media, Inc., <https://doi.org/10.1007/b102725>
- Ronan, K. R., Haynes, K., Towers, B., Alisic, E., Ireland, N., Amri, A., Davie, S., & Petal, M. (2016). Child-centred disaster risk reduction: Can disaster resilience programs reduce risk and increase the resilience of children and households? *Australian Journal of Emergency Management*, 31(3), 49–58.
- Rosyid, M. F., Firmansyah, E., Resmiyanto, R., & Yasrina, A. (2019). *Buku Siswa Kajian Konsep Fisika 2 untuk Kelas XI SMA dan MA Kelompok Peminatan Matematika dan Ilmu-Ilmu Alam* (A. S. Wahyudi (Ed.)). PT. Tiga Serangkai Pustaka Mandiri.

- Roth, C. E. (1992). *Environmental Literacy: Its Roots, Evolution and Directions in the 1990s*. <https://eric.ed.gov/?id=ED348235>
- Rubaidi. (2018). Pengarusutamaan Pengurangan Resiko Bencana (PRB) Berbasis Kurikulum Pendidikan Agama Islam. *Al-Izzah: Jurnal Hasil-Hasil Penelitian*, 13(2), 272–285. <https://doi.org/10.31332/ai.v13i2.1007>
- Rusiqiyanti, E. A. (2020). *Masyarakat Yogyakarta diingatkan tentang kejadian “kiamat sampah.”* <https://jogja.antaranews.com/berita/411282/masyarakat-yogyakarta-diingatkan-tentang-kejadian-kiamat-sampah>
- Saharuddin. (2007). Antropologi Ekologi (Fondasi, Teori dan Diskursus Ekologi Manusia). In *Fondasi, Teori dan Diskursus Ekologi Manusia* (pp. 43–70). <http://repository.ipb.ac.id/handle/123456789/76145>
- Sakurai, A. (2016). Role of International NGOs in Education Sector Recovery in Japan. In S. K. S. A. S. Rajib (Ed.), *Disaster Resilience of Education Systems, Disaster Risk Reduction* (pp. 181–194). Springer Japan. https://doi.org/10.1007/978-4-431-55982-5_11
- Saleh, C. (2022). *Modul 01 Konsep, Pengertian, dan Tujuan Kolaborasi*. Universitas Terbuka. <https://pustaka.ut.ac.id/lib/wp-content/uploads/pdfmk/DAPU6107-M1.pdf>
- Santamarta, Juan Carlos, Hernández-Gutiérrez, L. E., Neris, J., & Eff-darwich, A. (2013). Disaster Risk Reduction, An Overview. In J.C. Santamarta & L. E. Hernández-Gutiérrez (Eds.), *Environmental security, geological hazards and management*. Universidad de La Laguna. <https://doi.org/10.13140/RG.2.1.1852.6320>
- Santoso, A. B., Setyaningsih, W., & Biqih, D. (2013). Peranan Guru dan Siswa Pada Kegiatan Perintisan Sekolah Berwawasan Lingkungan dan Mitigasi Bencana Alam (SWALIBA). *Forum Ilmu Sosial*, 43(2), 176–188. http://journal.unnes.ac.id/nju/index.php/FIS_JURNAL
- Santrock, J. W. (2011). *Life-Span Development* (13th ed.). McGraw-Hill.
- Sanusi. (2020). *Ketika Lingkungan Merespon Manusia: Sebuah Kontemplasi Pandemi COVID-19*. Pusat Penelitian Kependudukan. <http://kependudukan.lipi.go.id/id/berita/53-mencatatcovid19/970-ketika-lingkungan-merespon-manusia-sebuah-kontemplasi-pandemi-covid-19>
- Saputra, H. P. (2022). *Bencana Alam dan Sikap Antroposentris*. Konsorsium Untuk Studi Dan Pengembangan Partisipasi. <https://konsepsi.org/bencana-alam-dan-sikap-antroposentris/>
- Sari, D. Y., Rahma, A., & Rahaju, I. (2021). Penataan Ulang Infrastruktur PAUD dalam Rencana Pembukaan Kembali Sekolah di Masa Pandemi Covid-19. *Jurnal Obsesi: Jurnal Pendidikan Anak Usia Dini*, 6(3), 1615–1627. <https://doi.org/10.31004/obsesi.v6i3.1450>
- Sari, W. P. (2019). *Eksternalisasi dari tacit knowledge dalam sistem manajemen pengetahuan menggunakan chatbots*. <https://binus.ac.id/malang/2019/01/eksternalisasi-dari-tacit-knowledge-dalam-sistem-manajemen-pengetahuan-menggunakan-chatbots/>
- Selby, D., & Kagawa, F. (2012). *Disaster Risk Reduction in School Curricula: Case Studies from Thirty Countries*. United Nations Children Fund. <http://www.unicef.org/education/files/DRRinCurricula->

Mapping30countriesFINAL.pdf

- Selby, D., & Kagawa, F. (2018). Archipelagos of learning: environmental education on islands. *Environmental Conservation*, 45(2), 137–146. <https://doi.org/10.1017/S0376892918000097>
- Shaw, R. (2014). Disaster Risk Reduction Education : Issues and Challenges. In R. Shaw & Y. Oikawa (Eds.), *Education for Sustainable Development and Disaster Risk Reduction, Disaster Risk Reduction: Methods, Approaches and Practices*, (pp. 37–51). Springer Japan 2014. <https://doi.org/10.1007/978-4-431-55090-7>
- Shaw, R., Kakuchi, S., & Yamaji, M. (2021). Chapter 1 Media and Disaster Risk Reduction. In R. Shaw, S. Kakuchi, & M. Yamaji (Eds.), *Media and Disaster Risk Reduction Advances, Challenges and Potentials* (pp. 3–12). Springer Nature Singapore Pte Ltd. https://doi.org/https://doi.org/10.1007/978-981-16-0285-6_1
- Shaw, T., & Kaneko, F. (2016). International Cooperation: Interventions in Enhancing Disaster Education in Turkey. In K. Shiwaku, A. Sakurai, & R. Shaw (Eds.), *Disaster Resilience of Education Systems, Disaster Risk Reduction* (pp. 195–214). Springer Japan. https://doi.org/10.1007/978-4-431-55982-5_12
- Shinebourne, P. (2009). Using Q Method in Qualitative Research. *International Journal of Qualitative Methods*, 8(1), 93–97. <https://doi.org/10.1177/160940690900800109>
- Shiwaku, K., & Fernandez, G. (2011). CHAPTER 3 ROLES OF SCHOOL IN DISASTER EDUCATION. In R. Shaw, K. Shiwaku, & Y. Takeuchi (Eds.), *Disaster Education Community, Environment and Disaster Risk Management* (pp. 45–75). Emerald Group Publishing Limited. [https://doi.org/10.1108/S2040-7262\(2011\)0000007009](https://doi.org/10.1108/S2040-7262(2011)0000007009)
- Shiwaku, K., & Shaw, R. (2016a). Chapter 7 Community Linkages and Disaster Risk Reduction Education. In K. Shiwaku, A. Sakurai, & R. Shaw (Eds.), *Disaster Resilience of Education Systems Experiences from Japan* (pp. 91–104). Springer Japan 2016. https://doi.org/DOI 10.1007/978-4-431-55982-5_7
- Shiwaku, K., & Shaw, R. (2016b). Introduction: Disaster Risk Reduction and Education System. In K. Shiwaku, A. Sakurai, & R. Shaw (Eds.), *Disaster Resilience of Education Systems, Disaster Risk Reduction* (pp. 1–10). Springer Japan 2016. https://doi.org/10.1007/978-4-431-55982-5_1
- Shiwaku, K., & Shaw, R. (2016c). Local Governance and School Disaster Education. In K. Shiwaku, A. Sakurai, & R. Shaw (Eds.), *Disaster Resilience of Education Systems Experiences from Japan* (pp. 25–38). Springer Japan. https://doi.org/10.1007/978-4-431-55982-5_3
- Simmons, D. (1995). *The NAAEE Standards Project: Papers on the Development of Environmental Education Standards*. Troy, OH: North American Association for Environmental Education.
- Sincero, S. M. (2012). *Ecological Systems Theory*. Explorable.Com. <https://explorable.com/ecological-systems-theory>
- Slade, S. (2022). *Education is an ecosystem*. <https://www.ascd.org/blogs/education-is-an-ecosystem>

- Sly, C. (2015). *TEACHING STRATEGIES A variety of teaching strategies based on students' levels of development and brain-based research*. <https://www.ecoliteracy.org/article/teaching-strategies>
- Somantri, L. (2019). *Pentingnya Pendidikan Kebencanaan di Indonesia*. Pendidikan Geografi Universitas Pendidikan Indonesia. <http://geografi.upi.edu/pentingnya-pendidikan-kebencanaan-di-indonesia/>
- Song, Y. (2014). *The Policy Development Of Disaster Management And Education In China—The Comparison Between Policy Expectation And Actual Implementation In Earthquake Preparation Demonstration Schools* [University of Pittsburgh]. <https://doi.org/10.4324/9781315853178>
- Sorensen, A. E., Jordan, R. C., Shwom, R., Ebert-May, D., Isenhour, C., McCright, A. M., & Robinson, J. M. (2016). Model-based reasoning to foster environmental and socio-scientific literacy in higher education. *Journal of Environmental Studies and Sciences*, 6(2), 287–294. <https://doi.org/10.1007/s13412-015-0352-7>
- Sprout, H. H., & Sprout, M. (2016). *Ecological Perspective on Human Affairs*. Princeton University Press.
- Stanger, N. R. G. (2011). Stanger Moving Eco Back. *Human Ecology Forum*, 18(2), 167–173.
- Stanišić, J., & Maksić, S. (2014). Environmental education in Serbian primary schools: Challenges and changes in curriculum, pedagogy, and teacher training. *Journal of Environmental Education*, 45(2), 118–131. <https://doi.org/10.1080/00958964.2013.829019>
- Stone, M. K. (2017). Ecoliteracy and Schooling for Sustainability. In *Worldwatch Institute, State of the World: EarthEd: Rethinking Education on a Changing Planet*, (pp. 35–47). Worldwatch Institute. https://doi.org/10.5822/978-1-61091-843-5_3
- Stough, L. M., Kang, D., & Lee, S. (2018). Seven school-related disasters: Lessons for policymakers and school personnel. *Education Policy Analysis Archives*, 26(August). <https://doi.org/10.14507/epaa.26.3698>
- Su, N., & Wang, Z. (2022). Visual Analysis of Global Carbon Mitigation Research Based on Scientific Knowledge Graphs. *International Journal of Environmental Research and Public Health*, 19(9), 1–13. <https://doi.org/10.3390/ijerph19095766>
- Suarmika, P. E., & Utama, E. G. (2017). Pendidikan Mitigasi Bencana Di Sekolah Dasar (Sebuah Kajian Analisis Etnopedagogi). *JPDI (Jurnal Pendidikan Dasar Indonesia)*, 2(2), 18. <https://doi.org/10.26737/jpdi.v2i2.327>
- Subagia, I. W., Wiratma, I. G. L., & Sudita, I. K. (2014). Uji Coba Kurikulum Pendidikan Mitigasi Bencana Alam Gempa Bumi Berbasis Kearifan Lokal Masyarakat Bali Di Sekolah Dasar. *SEMINAR NASIONAL RISET INOVATIF II*, 236–244.
- Sudarmo, U. (2016). *Kimia Untuk SMA/MA Kelas X Kelompok Peminatan Matematika dan Ilmu-Ilmu Alam* (B. Prasetya & Supriyatna (Eds.)). Penerbit Erlangga.
- Sudiarta, G., Subiyakto, R., Pardede, M., Kurniandaru, S., Widiyanto, A., Ikhsan, A., Andrianto, M., Oktari, R. S., Aminingrum, Hardiansyah, Kayadoe, F. J.,

- Diana, I. P. A., & Lukman, M. (2017). *Jangan Panik ! Praktik Baik Pendidikan Kebencanaan*. Badan Nasional Penanggulangan Bencana Direktorat Pengurangan Risiko Bencana. <https://bnpb.go.id/uploads/24/siaga-bencana/buku-pembelajaran-spab-indo.pdf>
- Suharko. (2014). Pencegahan Bencana Lingkungan Hidup Melalui Pendidikan Lingkungan (Preventing Ecological Disaster through Environmental Education). *Jurnal Manusia Dan Lingkungan*, 21(2), 254–260.
- Suharwoto, G., Nurwin, Nur'amiaty, Supatma, R., Dirhamsyah, Desi, E., Kertapati, I., S, K. P., Bhaswara, N., Sari, D., & Hidayanti, N. (2015). *Modul 2 Pilar 2 Manajemen Bencana di Sekolah* (Pertama). BIRO PERENCANAAN DAN KERJASAMA LUAR NEGERI, SEKRETARIAT JENDERAL KEMENDIKBUD.
- Suharwoto, G., Nurwin, Nur'amiaty TD, Rubadi Supatma, Dirhamsyah, Rudianto, Jayanti, E. D., Mahulae, A., Taufik, A., Elvera, D., Kertapati, I., S, K. P., Bhaswara, N., Sari, D., Hidayati, N., & Meiwanty, I. (2015). *Pilar 3 - Pendidikan Pencegahan dan Pengurangan Risiko Bencana. Pendidikan Pencegahan Dan Pengurangan Risiko Bencana*.
- Sund, P., & Gericke, N. (2020). Teaching contributions from secondary school subject areas to education for sustainable development - a comparative study of science, social science and language teachers. *Environmental Education Research*, 26(6), 772–794. <https://doi.org/10.1080/13504622.2020.1754341>
- Surbakti, H. (2015). Integrating Knowledge Management and Business Intelligence Processes for Empowering Government Business Organizations. *International Journal of Computer Applications*, 114(5), 36–43. <https://doi.org/10.5120/19976-1874>
- Suryani, A. S. (2014). Dampak negatif abu vulkanik terhadap lingkungan dan kesehatan. *Info Singkat Kesejahteraan Sosial*, VI(04), 9–12. [berkas.dpr.go.id/.../Info Singkat-VI-4-II-P3DI-Februari-2014-67.pdf](https://berkas.dpr.go.id/.../Info%20Singkat-VI-4-II-P3DI-Februari-2014-67.pdf)
- Tan, C. N. L., & Md. Noor, S. (2013). Knowledge management enablers, knowledge sharing and research collaboration: a study of knowledge management at research universities in Malaysia. *Asian Journal of Technology Innovation*, 21(2), 251–276. <https://doi.org/10.1080/19761597.2013.866314>
- Tanaka, S. (2012). Community Approach and Community Preparedness to Disaster. In M. Mardiatno, Djati; Takahashi (Ed.), *Community Approach to Disaster* (pp. 1–37). Gadjah Mada University Press.
- Tashakkori, A., Teddlie, C., Newman, I., & Ramlo, S. (2015). Using Q Methodology and Q Factor Analysis in Mixed Methods Research. In *SAGE Handbook of Mixed Methods in Social & Behavioral Research*. <https://doi.org/10.4135/9781506335193.n20>
- Thi, T., & Shaw, R. (2016). School-based disaster risk reduction education in primary schools in Da Nang City, Central Vietnam. *Environmental Hazards*, 15(4), 356–373. <https://doi.org/10.1080/17477891.2016.1213492>
- Thomas, V., & López, R. (2015). Global Increase in Climate-Related Disaster. In *ADB Economics Working Paper Series* (No. 466; Working Paper Series). <https://doi.org/10.4449/aib.v12i12.3187>
- Tidball, K. G., & Krasny, M. E. (2011). Toward an ecology of environmental

- education and learning. *Ecosphere*, 2(2), 1–17. <https://doi.org/10.1890/ES10-00153.1>
- Tong, T. M. T., Shaw, R., & Takeuchi, Y. (2012). Climate disaster resilience of the education sector in Thua Thien Hue Province, Central Vietnam. *Natural Hazards (Dordrecht)*, 63(2), 685–709. <https://doi.org/10.1007/s11069-012-0178-5>
- Topno, P. N. (2021). Building Disaster Resilience Through Primary and Higher Education. In *Handbook of Disaster Risk Reduction for Resilience* (pp. 203–222). Springer Nature Switzerland AG 2021. https://doi.org/https://doi.org/10.1007/978-3-030-61278-8_9
- Tukiran. (2014). Modul 1 Lingkup Studi, Teori Mutakhir dan Parameter Dasar Kependudukan. In *Lingkup Studi, Teori Mutakhir dan Parameter Dasar Kependudukan* (pp. 1–40). Universitas Terbuka. <http://repository.ut.ac.id/id/eprint/4236>
- Tuladhar, G., Yatabe, R., Dahal, R. K., & Bhandary, N. P. (2014). Knowledge of disaster risk reduction among school students in Nepal. *Geomatics, Natural Hazards and Risk*, 5(3), 190–207. <https://doi.org/10.1080/19475705.2013.809556>
- Tuswadi, & Hayashi, T. (2014). Disaster Prevention Education in Merapi Volcano Area Primary Schools : Focusing on Students ' Perception and Teachers ' Performance. *Procedia Environmental Sciences*, 20, 668–677. <https://doi.org/10.1016/j.proenv.2014.03.080>
- UCLA: Statistical Consulting Group. (2020). *Principal Components (Pca) And Exploratory Factor Analysis (EFA) with SPSS*. <https://stats.idre.ucla.edu/spss/seminars/efa-spss/>
- Ueda, Y., Matsumoto, E., Nakagawa, Y., & Shaw, R. (2016). International Cooperation: Grassroots Experience Sharing in Vietnam. In K. Shiwa, A. Sakurai, & R. Shaw (Eds.), *Disaster Resilience of Education Systems Experiences from Japan* (pp. 213–230). Springer Japan 2016. https://doi.org/10.1007/978-4-431-55982-5_13
- Ulfah, M., Suyanto, S., & Aminatun, T. (2020). The completeness of environmental literacy aspects studied in the articles published in several countries. *JPBI (Jurnal Pendidikan Biologi Indonesia)*, 6(1), 75–82. <https://doi.org/10.22219/jpbi.v6i1.10813>
- UNDRR. (2020). *Disaster risk reduction & disaster risk management*. <https://www.preventionweb.net/understanding-disaster-risk/key-concepts/disaster-risk-reduction-disaster-risk-management>
- Unesco. (1978). *Intergovernmental Conference on Environmental Education*. <https://www.gdrc.org/uem/ee/Tbilisi-Declaration.pdf>
- UNICEF. (2012). Disaster risk reduction in school curricula. In *Disaster risk reduction in school curricula: case studies from thirty countries*. <http://www.unicef.org/education/files/DRRinCurricula-Mapping30countriesFINAL.pdf>
- UNICEF. (2016). *MODULE 1: What are the Social Ecological Model (SEM), Communication for Development (C4D)?* www.unicef.org/cbsc/files/Module_1_SEM-C4D.docx

- UNICEF and UNESCO. (2010). *Disaster Risk Reduction in Education: An Imperative for Education Policymakers* (p. 10). <http://unesdoc.unesco.org/images/0021/002139/213925e.pdf>
- UNISDR. (2011). *HYOGO FRAMEWORK FOR ACTION 2005-2015 Building the Resilience of Nations and Communities to Disasters MID-TERM REVIEW*.
- UNISDR. (2017). *Comprehensive School Safety*. <https://www.undrr.org/publication/comprehensive-school-safety>
- United Nations. (2020). *Policy Brief: Education during COVID-19 and beyond*.
- Universitas Syiah Kuala. (2019). *Rancangan Qanun Aceh Tentang Pendidikan Kebencanaan*.
- Utami, A. D. (2018). An Evaluation of Green School Program at SMA Negeri 1 Selong as a Preparation Towards a Swaliba School. *Sumatra Journal of Disaster, Geography and Geography Education*, 2(1), 177. <https://doi.org/10.24036/sjdgge.v2i1.126>
- Valenta, A. L., & Wigger, U. (1997). Q-methodology: Definition and Application in Health Care Informatics. *Journal of the American Medical Informatics Association*, 4(6), 501–510. <https://doi.org/10.1136/jamia.1997.0040501>
- Wahid, I. M. A. (2016). *Keterkaitan Ekoliterasi (Melek Lingkungan), Pendidikan Lingkungan dan PPLH (Perlindungan dan Pengelolaan Lingkungan Hidup)*. <https://abdulwahid79.files.wordpress.com/2016/12/ekoliterasi-dalam-pplh.pdf>
- Wahidin, D. (2008). *Ruang Lingkup Dan Pendekatan Pendidikan Lingkungan*. Makalah Pendidikan Lingkungan Hidup. <https://makalahkumakalahmu.wordpress.com/2008/10/29/ruang-lingkup-dan-pendekatan-pendidikan-lingkungan/#more-452>
- Wahl, D. C. (2017). *Ecoliteracy: Learning from living systems*. Designing Regenerative Cultures. <https://medium.com/age-of-awareness/ecoliteracy-learning-from-living-systems-e162df608981>
- Wand, M. Z., Ayuba, I. G. U., & Asika, B. G. (2015). Needs for Disaster Risks Reduction Education in Nigeria. *IOSR Journal of Environmental Science, Toxicology and Food Technology*, 9(1), 43–47. <https://doi.org/10.9790/2402-09134347>
- Wang, J. J. (2016). Study on the context of school-based disaster management. *International Journal of Disaster Risk Reduction*, 19(2016), 224–234. <https://doi.org/10.1016/j.ijdr.2016.08.005>
- Watts, S., & Stenner, P. (2005). Doing Q methodology: Theory, method and interpretation. *Qualitative Research in Psychology*, 2(1), 67–91. <https://doi.org/10.1191/1478088705qp022oa>
- Webler, T., Danielson, S., & Tuler, S. (2009). *Using Q Method to Reveal Social Perspectives in Environmental Research*. <http://www.serius.org/pubs/Qprimer.pdf>
- Wee, B., Mason, H., Abdilla, J., & Lupardus, R. (2016). Nationwide perceptions of US green school practices : implications for reform and research. *International Research in Geographical and Environmental Education*, July. <https://doi.org/10.1080/10382046.2016.1207995>
- Weichselgartner, J., & Pigeon, P. (2015). The Role of Knowledge in Disaster Risk

- Reduction. *International Journal of Disaster Risk Science*, 6(2), 107–116. <https://doi.org/10.1007/s13753-015-0052-7>
- Wibowo, M. (2018). Strategi Mitigasi Untuk Mengatasi Penyakit Akibat Sanitasi Lingkungan Yang Buruk: Paradigma Baru Mitigasi Bencana. *Jurnal Rekayasa Lingkungan*, 6(3), 207–214. <https://doi.org/10.29122/jrl.v6i3.1934>
- Widanto, S. D., & Widowaty, Y. (2019). Implementasi Penyelesaian Konflik Lingkungan Antara Korporasi Dan Masyarakat Dalam Kasus Kebakaran Lahan. *Supremasi Hukum: Jurnal Penelitian Hukum*, 27(2), 93–104. <https://doi.org/10.33369/jsh.27.2.93-104>
- Windawati, A., & Setyowati, D. L. (2015). Evaluasi Program Sekolah Hijau (Green School) Di Sma Negeri 7 Purworejo Sebagai Persiapan Menuju Rintisan Swaliba (Sekolah Berwawasan Lingkungan Dan Mitigasi Bencana) *Edu Geography*, 3(7), 9–15.
- World Bank Group. (2020). *What Can Brazil Learn From the Rest of the*. <http://documents1.worldbank.org/curated/en/511671585947801777/Educational-Policies-in-the-COVID-19-Pandemic-What-can-Brazil-Learn-from-the-Rest-of-the-World.pdf>
- Yodmani, S. (2001). Disaster Risk Management and Vulnerability Reduction: Protecting the Poor. “*Social Protect Workshop 6: Protecting Communities – Social Funds and Disaster Management.*”
- Yulir, Y. (2017). *Geografi 2 untuk SMA Kelas XI* (D. Suntara (Ed.); 1st ed.). Yudhistira.
- Yusuf, R., Yunus, M., Maimun, M., & Fajri, I. (2022). Environmental education: A correlational study among environmental literacy, disaster knowledge, environmental sensitivity, and clean-living behavior of post tsunami disaster in aceh communities, Indonesia. *Polish Journal of Environmental Studies*, 31(1), 411–425. <https://doi.org/10.15244/pjoes/139327>
- Zabala, A. (2014). Qmethod: A package to explore human perspectives using Q methodology. *The R Journal*, 6(2), 163–173. <https://doi.org/10.32614/rj-2014-032>
- Zheng, Q., Xu, A., & Kong, D. (2017). Environmental education, knowledge management and professional performance in eco-tourism: The impact relatedness. *Eurasia Journal of Mathematics, Science and Technology Education*, 13(8), 4679–4687. <https://doi.org/10.12973/eurasia.2017.00958a>
- Ziarten, E. A., & Gilstrap, L. L. (2020). *Urie Bronfenbrenner Russian-Born American Psychologist*. Encyclopedia Britannica. <https://www.britannica.com/biography/Urie-Bronfenbrenner>
- Zulfa, E. A. (2005). Menelaah Arti Hak Untuk Hidup Sebagai Hak Asasi Manusia. *Lex Jurnalica*, 3(1), 11–23. <https://ejurnal.esaunggul.ac.id/index.php/Lex/article/view/230>