



- Ahuja, J., Yadav, M., & Sergio, R. D. (2022). Green leadership and pro-environmental behaviour: A moderated mediation model with rewards, self-efficacy and training. *International Journal of Ethics and Systems*(ahead-of-print). <https://doi.org/10.1108/IJOES-02-2022-0041>
- Ajzen, I. (1991). The theory of planned behavior. *Organizational Behavior and Human Decision Processes*, 50(2), 179-211. [https://doi.org/10.1016/0749-5978\(91\)90020-T](https://doi.org/10.1016/0749-5978(91)90020-T)
- Alisat, S., Norris, J. E., Pratt, M. W., Matsuba, M. K., & McAdams, D. P. (2014). Caring for the earth: Generativity as a mediator for the prediction of environmental narratives from identity among activists and nonactivists. *Identity*, 14(3), 177-194. <https://doi.org/10.1080/15283488.2014.921172>
- Aly, A., Taylor, E., & Karnovsky, S. (2014). Moral disengagement and building resilience to violent extremism: An education intervention. *Studies in Conflict & Terrorism*, 37(4), 369-385. <https://doi.org/10.1080/1057610X.2014.879379>
- Arndt, J., Cook, A., & Routledge, C. (2004). The blueprint of terror management: Understanding the cognitive architecture of psychological defense against the awareness of death. In J. Greenberg, S. Koole, & T. Pyszczynski (Eds.), *Handbook of Experimental Existential Psychology* (pp. 37-55). Guilford Press.
- Arndt, J., Greenberg, J., & Cook, A. (2002). Mortality salience and the spreading activation of worldview-relevant constructs: Exploring the cognitive architecture of terror management. *Journal of Experimental Psychology: General*, 131(3), 307-324. <https://doi.org/10.1037/0096-3445.131.3.307>
- Arndt, J., Greenberg, J., Solomon, S., Pyszczynski, T., & Simon, L. (1997). Suppression, accessibility of death-related thoughts, and cultural worldview defense: exploring the psychodynamics of terror management. *Journal of Personality and Social Psychology*, 73(1), 5-18. <https://doi.org/10.1037//0022-3514.73.1.5>
- Bamberg, S., & 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*, 27(1), 14-25. <https://doi.org/10.1016/j.jenvp.2006.12.002>
- Bandura, A. (1999). Moral disengagement in the perpetration of inhumanities. *Personality and Social Psychology Review*, 3(3), 193-209.
- Barnett, M. D., Archuleta, W. P., & Cantu, C. (2019). Politics, concern for future generations, and the environment: Generativity mediates political conservatism and environmental attitudes. *Journal of Applied Social Psychology*, 49(10), 647-654. <https://doi.org/10.1111/jasp.12624>
- Bassett, J. F., Van Tongeren, D. R., Green, J. D., Sonntag, M. E., & Kilpatrick, H. (2015). The interactive effects of mortality salience and political orientation on moral judgments. *British Journal of Social Psychology*, 54(2), 306-323. <https://doi.org/10.1111/bjso.12086>
- Becker, E. (1973). *The denial of death*. Academic Press.
- Bergkvist, L., & Rossiter, J. R. (2007). The predictive validity of multiple-item versus single-item measures of the same constructs. *Journal of marketing research*, 44(2), 175-184. <https://doi.org/10.1509/jmkr.44.2.175>
- Berkeley Earth. (2022, April 28). *Actionable climate science for policymakers: Country-level warming projections*. Berkeley Earth. Retrieved August 11 from <http://berkeleyearth.org/policy-insights/>
- Bilandzic, H., Kalch, A., & Soentgen, J. (2017). Effects of goal framing and emotions on perceived threat and willingness to sacrifice for climate change. *Science Communication*, 39(4), 466-491. <https://doi.org/10.1177/1075547017718553>
- Bolderdijk, J. W., Gorsira, M., Keizer, K., & Steg, L. (2013). Values determine the (in) effectiveness of informational interventions in promoting pro-environmental behavior. *PloS one*, 8(12), e83911. <https://doi.org/10.1371/journal.pone.0083911>
- Brick, C., Sherman, D. K., & Kim, H. S. (2017). "Green to be seen" and "brown to keep down": Visibility moderates the effect of identity on pro-environmental behavior. *Journal of Environmental Psychology*, 51, 226-238.
- Bussey, K., Quinn, C., & Dobson, J. (2015). The moderating role of empathic concern and perspective taking on the relationship between moral disengagement and aggression. *Merrill-Palmer Quarterly*, 61(1), 10-29. <https://doi.org/10.13110/merrpalmquar1982.61.1.0010>
- Bustamante, A., & Chaux, E. (2014). Reducing moral disengagement mechanisms: A comparison of two interventions. *Journal of Latino/Latin American Studies*, 6(1), 52-54. <https://doi.org/10.18085/llas.6.1.123583644qq115t3>
- Buttler, B., Latz, M., & Walther, E. (2017). Breaking bad: Existential threat decreases pro-environmental behavior. *Basic and Applied Social Psychology*, 39(3), 153-166. <https://doi.org/10.1080/01973533.2017.1296360>



Generative concern memprediksi intensi pro-lingkungan melalui environmental guilt, ketika mortality salience berinteraksi dengan permasalahan antropogenik: Studi eksperimen acak pada emerging adults di Indonesia

UNIVERSITAS
CENDEKIA

Sukmo Bayu Suryo Buwono, Bhina Patria, Dr. rer. pol., M.A.

- Cavicchioli, R. (2013). *Why We Die*. New York: Basic Books.
- Classen, A. T. (2019). Scientists' warning to humanity: Microorganisms and climate change. *Nature Reviews Microbiology*, 17(9), 569-586. <https://doi.org/10.1038/s41579-019-0222-5>
- Chang, M.-C., & Wu, C.-C. (2015). The effect of message framing on pro-environmental behavior intentions: An information processing view. *British Food Journal*, 117(1), 339-357. <https://doi.org/10.1108/BFJ-09-2013-0247>
- Chen, M.-F. (2018). Impact of fear appeals on pro-environmental behavior and crucial determinants. In S. Yoon & S. Oh (Eds.), *Social and Environmental Issues in Advertising* (pp. 84-102). Routledge. <https://doi.org/10.4324/9781315392547>
- Chu, A.-T., & Chen, Y.-C. (2012). *The sample size study of moderated mediation effect* [Doctoral dissertation]. National University of Kaohsiung.
- Courtney, E. P., Felig, R. N., & Goldenberg, J. L. (2022). Together we can slow the spread of COVID-19: The interactive effects of priming collectivism and mortality salience on virus-related health behaviour intentions. *British Journal of Social Psychology*, 61(1), 410-431. <https://doi.org/10.1111/bjso.12487>
- Currie, C. J., Katz, B. A., & Yovel, I. (2017). Explicit and implicit shame aversion predict symptoms of avoidant and borderline personality disorders. *Journal of research in personality*, 71, 13-16. <https://doi.org/10.1016/j.jrp.2017.08.006>
- Daly, D. (2020). *A storied perspective on climate change: The effects of narrative transportation and mortality salience on pro-environmental behavior* [Thesis]. University of Colorado.
- de Espanés, G. M., Villar, F., Urrutia, A., & Serrat, R. (2015). Motivation and commitment to volunteering in a sample of Argentinian adults: What is the role of generativity? *Educational gerontology*, 41(2), 149-161. <https://doi.org/10.1080/03601277.2014.946299>
- De Groot, J. I. M., & Steg, L. (2008). Value orientations to explain beliefs related to environmental significant behavior: How to measure egoistic, altruistic, and biospheric value orientations. *Environment and behavior*, 40(3), 330-354. <https://doi.org/10.1177/0013916506297831>
- De Groot, J. I. M., & Steg, L. (2010). Relationships between value orientations, self-determined motivational types and pro-environmental behavioural intentions. *Journal of Environmental Psychology*, 30(4), 368-378. <https://doi.org/10.1016/j.jenvp.2010.04.002>
- de St. Aubin, E. (2004). The propagation of genes and memes: Generativity through culture in Japan and the USA. In E. de St. Aubin, D. P. McAdams, & T.-C. Kim (Eds.), *The generative society: Caring for future generations* (pp. 63-82). American Psychological Association. <https://doi.org/10.1037/10622-005>
- de St. Aubin, E., & McAdams, D. P. (1995). The relations of generative concern and generative action to personality traits, satisfaction/happiness with life, and ego development. *Journal of adult development*, 2(2), 99-112. <https://doi.org/10.1007/BF02251258>
- Einolf, C. J. (2011). Gender differences in the correlates of volunteering and charitable giving. *Nonprofit and Voluntary Sector Quarterly*, 40(6), 1092-1112. <https://doi.org/10.1177/0899764010385949>
- Elgaaied, L. (2012). Exploring the role of anticipated guilt on pro-environmental behavior—a suggested typology of residents in France based on their recycling patterns. *Journal of Consumer Marketing*, 29(5), 369-377. <https://doi.org/10.1108/07363761211247488>
- Eom, K., Tok, T. Q. H., Saad, C. S., & Kim, H. S. (2021). Religion, environmental guilt, and pro-environmental support: The opposing pathways of stewardship belief and belief in a controlling god. *Journal of Environmental Psychology*, 78, 101717. <https://doi.org/10.1016/j.jenvp.2021.101717>
- Erikson, E. H. (1963). *Childhood and society* (2nd ed.). W W Norton & Company.
- Erikson, E. H. (1993). *Childhood and society* (Reissued ed.). WW Norton & Company.
- Ertz, M., Karakas, F., & Sarigöllü, E. (2016). Exploring pro-environmental behaviors of consumers: An analysis of contextual factors, attitude, and behaviors. *Journal of Business Research*, 69(10), 3971-3980. <https://doi.org/10.1016/j.jbusres.2016.06.010>
- Fa, H., & Kugihara, N. (2020). Does concern about death help to increase donations for environmental charities? Examining the impact of mortality salience on pro-environmental behaviors in East Asia. *International Journal of Organizational Innovation*, 13(2), 175-199.
- Fergus, T. A., Valentiner, D. P., McGrath, P. B., & Jencius, S. (2010). Shame-and guilt-proneness: Relationships with anxiety disorder symptoms in a clinical sample. *Journal of anxiety disorders*, 24(8), 811-815. <https://doi.org/10.1016/j.janxdis.2010.06.002>
- Fergusson, A. (2016). *Designing online experiments using Google forms+ random redirect tool*. <https://teaching-statistics-is-awesome.org/designing-online-experiments-using-google-forms-random-redirect-tool>
- Freed, L. (2013). *Innovating analytics: How the next generation of net promoter can increase sales and drive business results*. John Wiley & Sons.



Generative concern memprediksi intensi pro-lingkungan melalui environmental guilt, ketika mortality salience berinteraksi dengan permasalahan antropogenik: Studi eksperimen acak pada emerging adults di Indonesia

Sukmo Bayu Suryo Buwono, Bhina Patria, Dr. rer. pol., M.A.

Universitas Gadjah Mada, Yogyakarta (2022) // <https://doi.org/10.1016/j.jenvp.2022.101776>

- Frensch, K. M., & M. A. M. (2007). Transitions in generativity: Personal and family correlates of emerging adults' generative life-story themes. *Journal of research in personality*, 41(1), 45-62. <https://doi.org/10.1016/j.jrp.2006.01.005>
- Fritsche, I., Jonas, E., Kayser, D. N., & Koranyi, N. (2010). Existential threat and compliance with pro-environmental norms. *Journal of Environmental Psychology*, 30(1), 67-79. <https://doi.org/10.1016/j.jenvp.2009.08.007>
- Frost, J. (2020). *Hypothesis testing: An intuitive guide for making data driven decisions*. Statistics by Jim Publishing.
- Gatersleben, B. (2019). Measuring environmental behaviour. In L. Steg & J. I. M. De Groot (Eds.), *Environmental psychology: an introduction* (2nd ed., pp. 155-166). John Wiley & Sons. <https://doi.org/10.1002/9781119241072.ch16>
- Gatersleben, B., Murtagh, N., & Abrahamse, W. (2014). Values, identity and pro-environmental behaviour. *Contemporary Social Science*, 9(4), 374-392. <https://doi.org/10.1080/21582041.2012.682086>
- Golec de Zavala, A., Cichocka, A., Orehek, E., & Abdollahi, A. (2012). Intrinsic religiosity reduces intergroup hostility under mortality salience. *European Journal of Social Psychology*, 42(4), 451-461. <https://doi.org/10.1002/ejsp.1843>
- Greenberg, J., & Arndt, J. (2012). Terror management theory. In P. Van Lange, A. Kruglanski, & E. Higgins (Eds.), *Handbook of theories of social psychology* (Vol. 1, pp. 398-415). Sage Publications Ltd. 10.4135/9781446249215.n20
- Greenberg, J., Solomon, S., & Pyszczynski, T. (1997). Terror management theory of self-esteem and cultural worldviews: Empirical assessments and conceptual refinements. In *Advances in Experimental Social Psychology* (Vol. 29, pp. 61-139). Elsevier. [https://doi.org/10.1016/S0065-2601\(08\)60016-7](https://doi.org/10.1016/S0065-2601(08)60016-7)
- Hardin, G. (1968). The tragedy of the commons: The population problem has no technical solution; it requires a fundamental extension in morality. *Science*, 162(3859), 1243-1248. <https://doi.org/10.1126/science.162.3859.1243>
- Harrison, P. R., & Mallett, R. K. (2013). Mortality salience motivates the defense of environmental values and increases collective ecoguilt. *Ecopsychology*, 5(1), 36-43. <https://doi.org/10.1089/eco.2012.0070>
- Hayes, A. (2018). *Introduction to mediation, moderation, and conditional process analysis: A regression-based approach*. The Guilford Press.
- Herman, B. C. (2015). The influence of global warming science views and sociocultural factors on willingness to mitigate global warming. *Science Education*, 99(1), 1-38.
- Hurst, K. F., & Sintov, N. D. (2022). Guilt consistently motivates pro-environmental outcomes while pride depends on context. *Journal of Environmental Psychology*, 80, 101776. <https://doi.org/10.1016/j.jenvp.2022.101776>
- Jia, F., Alisat, S., Soucie, K., & Pratt, M. (2015). Generative concern and environmentalism: A mixed methods longitudinal study of emerging and young adults. *Emerging adulthood*, 3(5), 306-319. <https://doi.org/10.1177/2167696815578338>
- Jia, F., Soucie, K., Alisat, S., & Pratt, M. (2016). Sowing seeds for future generations: Development of generative concern and its relation to environmental narrative identity. *International Journal of Behavioral Development*, 40(5), 466-470. <https://doi.org/10.1177/0165025415611260>
- Jiang, X., Ding, Z., Li, X., Sun, J., Jiang, Y., Liu, R., . . . Sun, W. (2020). How cultural values and anticipated guilt matter in Chinese residents' intention of low carbon consuming behavior. *Journal of Cleaner Production*, 246, 119069. <https://doi.org/10.1016/j.jclepro.2019.119069>
- Jugert, P., Greenaway, K. H., Barth, M., Büchner, R., Eisentraut, S., & Fritsche, I. (2016). Collective efficacy increases pro-environmental intentions through increasing self-efficacy. *Journal of Environmental Psychology*, 48, 12-23. <https://doi.org/10.1016/j.jenvp.2016.08.003>
- Klein, S. A., Heck, D. W., Reese, G., & Hilbig, B. E. (2019). On the relationship between Openness to Experience, political orientation, and pro-environmental behavior. *Personality and individual differences*, 138, 344-348. <https://doi.org/10.1016/j.paid.2018.10.017>
- Klein, S. A., Hilbig, B. E., & Heck, D. W. (2017). Which is the greater good? A social dilemma paradigm disentangling environmentalism and cooperation. *Journal of Environmental Psychology*, 53, 40-49. <https://doi.org/10.1016/j.jenvp.2017.06.001>
- Kotre, J. (1984). *Outliving the self: Generativity and the interpretation of lives*. Johns Hopkins University Press.
- Lagattuta, K. H., & Thompson, R. A. (2007). The development of self-conscious emotions: Cognitive processes and social influences. In J. L. Tracy, R. W. Robins, & J. P. Tangney (Eds.), *The self-conscious emotions* (pp. 91-113). Guilford Press.



Generative concern memprediksi intensi pro-lingkungan melalui environmental guilt, ketika mortality salience berinteraksi dengan permasalahan antropogenik: Studi eksperimen acak pada emerging adults di Indonesia

UNIVERSITAS
GADJAH MADA

Sukmo Bayu Suryo Buwono, Bhina Patria, Dr. rer. pol., M.A.

- Larson, L. R., Stedman, G. D., & Deaton-Deaton, D. J. (2005). Understanding the multi-dimensional structure of pro-environmental behavior. *Journal of Environmental Psychology, 43*, 112-124. <https://doi.org/10.1016/j.jenvp.2015.06.004>
- Lauren, N., Fielding, K. S., Smith, L., & Louis, W. R. (2016). You did, so you can and you will: Self-efficacy as a mediator of spillover from easy to more difficult pro-environmental behaviour. *Journal of Environmental Psychology, 48*, 191-199. <https://doi.org/10.1016/j.jenvp.2016.10.004>
- Lawford, H., Pratt, M. W., Hunsberger, B., & Mark Pancer, S. (2005). Adolescent generativity: A longitudinal study of two possible contexts for learning concern for future generations. *Journal of research on adolescence, 15*(3), 261-273. <https://doi.org/10.1111/j.1532-7795.2005.00096.x>
- Lawford, H. L., Doyle, A.-B., & Markiewicz, D. (2013). The association between early generative concern and caregiving with friends from early to middle adolescence. *Journal of Youth and Adolescence, 42*(12), 1847-1857. <https://doi.org/10.1007/s10964-012-9888-y>
- Lee, Y.-k., Kim, S., Kim, M.-s., & Choi, J.-g. (2014). Antecedents and interrelationships of three types of pro-environmental behavior. *Journal of Business Research, 67*(10), 2097-2105. <https://doi.org/10.1016/j.jbusres.2014.04.018>
- Li, J.-T., & Tseng, Y.-C. (2018). The effect of doing and messaging pro-environmental behavior on fostering the behavior. Conference on Human Factors in Computing Systems.
- Lutwak, N., Panish, J., & Ferrari, J. (2003). Shame and guilt: Characterological vs. behavioral self-blame and their relationship to fear of intimacy. *Personality and individual differences, 35*(4), 909-916. [https://doi.org/10.1016/S0191-8869\(02\)00307-0](https://doi.org/10.1016/S0191-8869(02)00307-0)
- Mackinnon, S. P., De Pasquale, D., & Pratt, M. W. (2016). Predicting generative concern in young adulthood from narrative intimacy: A 5-year follow-up. *Journal of adult development, 23*(1), 27-35. <https://doi.org/10.1007/s10804-015-9218-1>
- Mallett, R. K. (2012). Eco-guilt motivates eco-friendly behavior. *Ecopsychology, 4*(3), 223-231. <https://doi.org/10.1089/eco.2012.0031>
- Masson, M. E. J. (2001). Priming, cognitive psychology of. *International Encyclopedia of the Social & Behavioral Sciences, 12*042-12046. <https://doi.org/10.1016/B0-08-043076-7/01545-X>
- Matsuba, M. K., Alisat, S., & Pratt, M. W. (2017). Environmental activism in emerging adulthood. In L. M. Padilla-Walker & M. W. Pratt (Eds.), *Flourishing in emerging adulthood: Positive development during the third decade of life* (pp. 175-201). Oxford University Press.
- Matsuba, M. K., Pratt, M. W., Norris, J. E., Mohle, E., Alisat, S., & McAdams, D. P. (2012). Environmentalism as a context for expressing identity and generativity: Patterns among activists and uninvolved youth and midlife adults. *Journal of personality, 80*(4), 1091-1115. <https://doi.org/10.1111/j.1467-6494.2012.00765.x>
- Maxfield, M., Greenberg, J., Pyszczynski, T., Weise, D. R., Kosloff, S., Soenke, M., . . . Blatter, J. (2014). Increases in generative concern among older adults following reminders of mortality. *The International Journal of Aging and Human Development, 79*(1), 1-21. <https://doi.org/10.2190/AG.79.1.a>
- McAdams, D. P. (2001). Generativity in midlife. In M. Lachman (Ed.), *Handbook of midlife development* (pp. 395-443). Wiley.
- McAdams, D. P. (2019). The emergence of personality. In D. P. McAdams, R. L. Shiner, & J. L. Tackett (Eds.), *Handbook of personality development* (pp. 3-19). Guilford Press.
- McAdams, D. P., & de St. Aubin, E. (1992). A theory of generativity and its assessment through self-report, behavioral acts, and narrative themes in autobiography. *Journal of Personality and Social Psychology, 62*(6), 1003. <https://doi.org/10.1037/0022-3514.62.6.1003>
- McAdams, D. P., de St. Aubin, E., & Logan, R. L. (1993). Generativity among young, midlife, and older adults. *Psychology and aging, 8*(2), 221. <https://doi.org/10.1037/0882-7974.8.2.221>
- McAdams, D. P., Hart, H. M., & Maruna, S. (1998). The anatomy of generativity. In D. P. McAdams & E. de St. Aubin (Eds.), *Generativity and adult development: How and why we care for the next generation* (pp. 7-43). American Psychological Association.
- McDonald, R. I. (2016). Perceived temporal and geographic distance and public opinion about climate change. In *Oxford research encyclopedia of climate science*. <https://doi.org/10.1093/acrefore/9780190228620.013.308>
- McGarty, C., Pedersen, A., Wayne Leach, C., Mansell, T., Waller, J., & Bliuc, A. M. (2005). Group-based guilt as a predictor of commitment to apology. *British Journal of Social Psychology, 44*(4), 659-680. <https://doi.org/10.1348/014466604X18974>
- Morin, A., & Racy, F. (2021). Dynamic self-processes. In J. F. Rauthman (Ed.), *The handbook of personality dynamic and processes* (pp. 365-386). Academic Press. <https://doi.org/10.1016/B978-0-12-813995-0.00015-7>



Generative concern memprediksi intensi pro-lingkungan melalui environmental guilt, ketika mortality salience berinteraksi dengan permasalahan antropogenik: Studi eksperimen acak pada emerging adults di Indonesia

UNIVERSITAS
GADJAH MADA

Sukmo Bayu Suryo Buwono, Bhina Patria, Dr. rer. pol., M.A.

Mughal, M. F.,

Universitas Gadjah Mada, 2023. <https://doi.org/10.21107/psr.v1i1.12345>

- Specific Servant Leadership and Employees' Pro-Environmental Behavior: Mediating Role of Green Self Efficacy. *Psychology Research and Behavior Management*, 15, 305-316. <https://doi.org/10.2147/PRBM.S328776>
- Oreskes, N. (2018). The scientific consensus on climate change: How do we know we're not wrong? In E. A. Lloyd & E. Winsberg (Eds.), *Climate modelling* (pp. 31-64). Palgrave Macmillan. https://doi.org/10.1007/978-3-319-65058-6_2
- Pearce, H., Hudders, L., Van de Sompel, D., & Cauberghe, V. (2021). Motivating children to become green kids: The role of victim framing, moral emotions, and responsibility on children's pro-environmental behavioral intent. *Environmental Communication*, 15(7), 969-985. <https://doi.org/10.1080/17524032.2021.1934056>
- Pratt, M. W., & Lawford, H. L. (2014). Early generativity and types of civic engagement in adolescence and emerging adulthood. In L. M. Padilla-Walker & G. Carlo (Eds.), *Prosocial development: A multidimensional approach* (pp. 410-436). Oxford University Press. <https://doi.org/10.1093/acprof:oso/9780199964772.003.0020>
- Pyszczynski, T., Lockett, M., Greenberg, J., & Solomon, S. (2021). Terror management theory and the COVID-19 pandemic. *Journal of Humanistic Psychology*, 61(2), 173-189. <https://doi.org/10.1177/0022167820959488>
- Pyszczynski, T., Solomon, S., & Greenberg, J. (2015). Thirty years of terror management theory: From genesis to revelation. *Advances in Experimental Social Psychology*, 52, 1-70. <https://doi.org/10.1016/bs.aesp.2015.03.001>
- Rahimah, A., Khalil, S., Cheng, J. M. S., Tran, M. D., & Panwar, V. (2018). Understanding green purchase behavior through death anxiety and individual social responsibility: Mastery as a moderator. *Journal of Consumer Behaviour*, 17(5), 477-490. <https://doi.org/10.1002/cb.1733>
- Ramadani, N., & Ampuni, S. (2020). *Pengaruh afek positif dan negatif terhadap perilaku prososial remaja* [Undergraduate thesis]. Universitas Gadjah Mada.
- Rees, J. H., Klug, S., & Bamberg, S. (2015). Guilty conscience: Motivating pro-environmental behavior by inducing negative moral emotions. *Climatic Change*, 130(3), 439-452. <https://doi.org/10.1007/s10584-014-1278-x>
- Ripple, W. J., Wolf, C., Newsome, T. M., Galetti, M., Alamgir, M., Crist, E., . . . 15, S. S. f. C. (2017). World scientists' warning to humanity: A second notice. *BioScience*, 67(12), 1026-1028. <https://doi.org/10.1093/biosci/bix125>
- Ritchie, H., Roser, M., & Rosado, P. (2020, May 11). *CO₂ and greenhouse gas emissions*. Our World in Data. Retrieved August 11 from <https://ourworldindata.org/co2-and-other-greenhouse-gas-emissions>
- Roberts, W., Strayer, J., & Denham, S. (2014). Empathy, anger, guilt: Emotions and prosocial behaviour. *Canadian Journal of Behavioural Science/Revue canadienne des sciences du comportement*, 46(4), 465-474. <https://doi.org/10.1037/a0035057>
- Rohde, R. (2022, January 12). *Global temperature report for 2021*. Berkeley Earth. Retrieved August 11 from <http://berkeleyearth.org/global-temperature-report-for-2021/>
- Sapiains, R., Beeton, R. J., & Walker, I. A. (2016). Individual responses to climate change: Framing effects on pro-environmental behaviors. *Journal of Applied Social Psychology*, 46(8), 483-493. <https://doi.org/10.1111/jasp.12378>
- Schneider, C. R., Zaval, L., Weber, E. U., & Markowitz, E. M. (2017). The influence of anticipated pride and guilt on pro-environmental decision making. *PloS one*, 12(11). <https://doi.org/10.1371/journal.pone.0188781>
- Scripps Institution of Oceanography. (2022, May 13). *The keeling curve: A daily record of atmospheric carbon dioxide from the Scripps Institution of Oceanography at UC San Diego*. Scripps Institution of Oceanography. Retrieved August 11 from <https://keelingcurve.ucsd.edu/>
- Shadish, W. R., Cook, T. D., & Campbell, D. T. (2002). *Experimental and quasi-experimental designs for generalized causal inference*. Mifflin and Company.
- Shin, S., Ki, E.-J., & Griffin, W. G. (2017). The effectiveness of fear appeals in 'green' advertising: An analysis of creative, consumer, and source variables. *Journal of Marketing Communications*, 23(5), 473-492. <https://doi.org/10.1080/13527266.2017.1290671>
- Shiple, N. J., & van Riper, C. J. (2021). Pride and guilt predict pro-environmental behavior: A meta-analysis of correlational and experimental evidence. *Journal of Environmental Psychology*, 79, 101753. <https://doi.org/10.1016/j.jenvp.2021.101753>
- Silver, M., Helkama, K., Lönnqvist, J.-E., & Verkasalo, M. (2008). The relation between value priorities and proneness to guilt, shame, and empathy. *Motivation and emotion*, 32(2), 69-80. <https://doi.org/10.1007/s11031-008-9084-2>



Generative concern memprediksi intensi pro-lingkungan melalui environmental guilt, ketika mortality salience berinteraksi dengan permasalahan antropogenik: Studi eksperimen acak pada emerging adults di Indonesia

UNIVERSITAS
GADJAH MADA
Solomon, S.,

Sukmo Bayu Suryo Buwono, Bhina Patria, Dr. rer. pol., M.A.

- University of Gadjah Mada, 2023. Disingkat dari (2007). <https://doi.org/10.1037/0022-006X.35.1.1>. *Journal of Personality and Social Psychology*, 35(1), 1-11. <https://doi.org/10.1037/0022-006X.35.1.1>.
- Solomon, S., Greenberg, J. T., & Pyszczynski, T. (2004). The terror management theory and research. In J. Greenberg, S. Koole, & T. Pyszczynski (Eds.), *Handbook of Experimental Existential Psychology* (pp. 13-34). Guilford Press.
- Soucie, K. M., Jia, F., Zhu, N., & Pratt, M. W. (2018). The codevelopment of community involvement and generative concern pathways in emerging and young adulthood. *Developmental psychology*, 54(10), 1971-1976. <https://doi.org/10.1037/dev0000563>
- Spence, A., Poortinga, W., & Pidgeon, N. (2012). The psychological distance of climate change. *Risk Analysis*, 32(6), 957-972. <https://doi.org/10.1111/j.1539-6924.2011.01695.x>
- Steg, L., Perlaviciute, G., Van der Werff, E., & Lurvink, J. (2014). The significance of hedonic values for environmentally relevant attitudes, preferences, and actions. *Environment and behavior*, 46(2), 163-192. <https://doi.org/10.1177/0013916512454730>
- Steg, L., & Vlek, C. (2009). Encouraging pro-environmental behaviour: An integrative review and research agenda. *Journal of Environmental Psychology*, 29(3), 309-317. <https://doi.org/10.1016/j.jenvp.2008.10.004>
- Stern, P. C. (2000). Toward a coherent theory of environmentally significant behavior. *Journal of Social Issues*, 56(3), 407-424. <https://doi.org/10.1111/0022-4537.00175>
- Stern, P. C. (2008). Environmentally significant behavior in the home. In A. Lewis (Ed.), *The Cambridge handbook of psychology and economic behaviour* (pp. 363-382). Cambridge University Press. <https://doi.org/10.1017/CBO9780511490118.015>
- Stewart, A. J., & Vandewater, E. A. (1998). The course of generativity. In D. P. McAdams & E. de St Aubin (Eds.), *Generativity and adult development: How and why we care for the next generation* (pp. 75-100). American Psychological Association. <https://doi.org/10.1037/10288-003>
- Swim, J. K., & Whitmarsh, L. (2019). Climate change as a unique environmental problem. In L. Steg & J. I. M. De Groot (Eds.), *Environmental psychology: an introduction* (2nd ed., pp. 26-35). John Wiley & Sons Ltd. <https://doi.org/10.1002/9781119241072.ch3>
- Tam, K.-P. (2019). Anthropomorphism of nature, environmental guilt, and pro-environmental behavior. *Sustainability*, 11(19), 5430. <https://doi.org/10.3390/su11195430>
- Tangney, J. P., & Dearing, R. L. (2002). *Shame and guilt*. Guilford Press.
- Tangney, J. P., Stuewig, J., & Mashek, D. J. (2007a). Moral emotions and moral behavior. *Annual Review of Psychology*, 58, 345-372. <https://doi.org/10.1146/annurev.psych.56.091103.070145>
- Tangney, J. P., Stuewig, J., & Mashek, D. J. (2007b). What's moral about the self-conscious emotions? In J. L. Tracy, R. W. Robins, & J. P. Tangney (Eds.), *The self-conscious emotions: Theory and research* (pp. 21-37). Guilford Press.
- Taufik, D., & Venhoeven, L. (2019). Emotions and pro-environmental behaviour. In L. Steg & J. I. M. De Groot (Eds.), *Environmental psychology: an introduction* (2nd ed., pp. 189-197). John Wiley & Sons Ltd. <https://doi.org/10.1002/9781119241072.ch19>
- Tracy, J. L., & Robins, R. W. (2007). The self in self-conscious emotions: A cognitive appraisal approach. In J. L. Tracy, R. W. Robins, & J. P. Tangney (Eds.), *The self-conscious emotions: Theory and research* (pp. 3-20). Guilford Press.
- United Nations Framework Convention on Climate Change. (2015). *Adoption of the Paris Agreement: Proposal by the President*. UNFCCC. <https://unfccc.int/resource/docs/2015/cop21/eng/l09r01.pdf>
- Urien, B., & Kilbourne, W. (2011). Generativity and self-enhancement values in eco-friendly behavioral intentions and environmentally responsible consumption behavior. *Psychology & marketing*, 28(1), 69-90. <https://doi.org/10.1002/mar.20381>
- Van der Werff, E., Steg, L., & Keizer, K. (2013). It is a moral issue: The relationship between environmental self-identity, obligation-based intrinsic motivation and pro-environmental behaviour. *Global Environmental Change*, 23(5), 1258-1265. <https://doi.org/10.1016/j.gloenvcha.2013.07.018>
- Vesely, S., & Klöckner, C. A. (2018). How anonymity and norms influence costly support for environmental causes. *Journal of Environmental Psychology*, 58, 27-30. <https://doi.org/10.1016/j.jenvp.2018.07.013>
- Vess, M., & Arndt, J. (2008). The nature of death and the death of nature: The impact of mortality salience on environmental concern. *Journal of research in personality*, 42(5), 1376-1380. <https://doi.org/10.1016/j.jrp.2008.04.007>
- Von Borgstede, C., Johansson, L. O., & Nilsson, A. (2019). Social dilemmas: Motivational, individual, and structural aspects influencing cooperation. In L. Steg & J. I. M. De Groot (Eds.), *Environmental psychology: an introduction* (2nd ed., pp. 207-216). John Wiley & Sons Ltd. <https://doi.org/10.1002/9781119241072.ch21>



Generative concern memprediksi intensi pro-lingkungan melalui environmental guilt, ketika mortality salience berinteraksi dengan permasalahan antropogenik: Studi eksperimen acak pada emerging adults di Indonesia

UNIVERSITAS
GADJAH MADA

Sukmo Bayu Suryo Buwono, Bhina Patria, Dr. rer. pol., M.A.

- Wang, X. (2019). *Universitas Gadjah Mada*. 2022. Dikunjungi dari <https://doi.org/10.1080/10410236.2011.563350>
- Wang, X. (2019). *Universitas Gadjah Mada*. 2022. Dikunjungi dari <https://doi.org/10.1080/10410236.2011.563350>
- Wang, X. (2017). Risk perceptions, moral attitudes, and anticipated guilt in US consumers' climate change behavioral intentions. *Journal of Risk Research*, 20(12), 1554-1567. <https://doi.org/10.1080/13669877.2016.1179213>
- Watson, D., Clark, L. A., & Tellegen, A. (1988). Development and validation of brief measures of positive and negative affect: The PANAS scales. *Journal of Personality and Social Psychology*, 54(6), 1063-1070. <https://doi.org/10.1037/0022-3514.54.6.1063>
- Wysocki, A. C., Lawson, K. M., & Rhemtulla, M. (2022). Statistical control requires causal justification. *Advances in Methods and Practices in Psychological Science*, 5(2), 1-19. <https://doi.org/10.1177/25152459221095823>
- Yamada, Y. (2004). The generative life cycle model: Integration of Japanese folk images and generativity. In E. de St. Aubin, D. P. McAdams, & T.-C. Kim (Eds.), *The generative society: Caring for future generations* (pp. 97-112). American Psychological Association. <https://doi.org/10.1037/10622-007>