

DAFTAR PUSTAKA

- Ackerman, R. A. 1977. *The Respiratory Gas Exchange Of Sea Turtle Nests (Chelonia, Caretta)* 1. *Respiratory Physiology*, 31: 19–38.
- Adnyana, I. B. W., dan Hitipeuw, C. 2009. Panduan Melakukan Pemantauan Populasi Penyu di Pantai Peneluran Indonesia. 31 hal.
- Aithal, P. S., and Aithal, S. 2016. Scholarly Publishing: Why Smart Researcher Hesitate to Publish in/with Top Ranking Journals/Publishers. *International Journal of Current Research and Modern Education (IJCRME)*, 1(1), 1–17.
- Bolten, A. B. 2003. Variation in sea turtle life history patterns: neritic vs. oceanic developmental stages. In P. L. Lutz, J. A. Musick and J. Wyneken (Eds.), *The Biology of Sea Turtles* 2. Boca Raton, FL: CRC Press. 243–257 p.
- Booth, D. T. 2006. Influence of incubation temperature on hatchling phenotype in reptiles. *Physiological and Biochemical Zoology*, 79(2), 274–281.
- _____. 2009. Swimming for your life: Locomotor effort and oxygen consumption during the green turtle (*Chelonia mydas*) hatchling frenzy. *Journal of Experimental Biology*, 212(1): 50–55.
- _____. 2014. Kinematics of swimming and thrust production during powerstroking bouts of the swim frenzy in green turtle hatchlings. *Biology Open*, 3(10): 887–894.
- _____. (2017). Influence of incubation temperature on sea turtle hatchling quality. *Integrative Zoology*, 12(5): 352–360.
- Booth, D. T., Burgess, E., McCosker, J., dan Lanyon, J. M. 2004. The influence of incubation temperature on post-hatching fitness characteristics of turtles. *International Congress Series*, 127: 226–233.

- Booth, D. T., Feeney, R., Shibata, Y. 2012. Nest and maternal origin can influence morphology and locomotor performance of hatchling green turtles (*Chelonia mydas*) incubated in field nests. *Mar Biol*, **160**:127–137
- Booth, D.T. and Astill, K. 2001 Incubation temperature, energy expenditure and hatchling size in the green turtle (*Chelonia mydas*) a species with temperature-sensitive sex determination. *Australian Journal of Zoology*, **49**: 389–396.
- Booth, D. T. and Evans, A. 2011. Warm water and cool nests are best. How global warming might influence hatchling green turtle swimming performance. *PLoS ONE*, **6**(8).
- Broderick, A. C., Frauenstein, R., Glen, F., Hays, G. C., Jackson, A. L., Pelembe, T., Ruxton, G. D., Godley, B. J. 2006. Are green turtles globally endangered? *Global Ecology and Biogeography*, **15**(1): 21–26.
- Broderick, A. C., Godley, B. J., Hays, G. C. 2001. Metabolic heating and the prediction of sex ratios for green turtles (*Chelonia mydas*). *Physiological and Biochemical Zoology*, **74**(2): 161–170.
- Burger, J. and Gochfeld, M. 2014. Factors Affecting Locomotion in Olive Ridley (*Lepidochelys olivacea*) Hatchlings Crawling to the Sea at Ostional Beach, Costa Rica. *Chelonian Conservation and Biology*, **13**(2): 182–190.
- Burgess, E. A., Booth, D. T., Lanyon, J. M. 2006. Swimming performance of hatchling green turtles is affected by incubation temperature. *Coral Reefs*, **25**(3): 341–349.
- Bustard, H. R., and Peter Greenham. 1968. *Physical and Chemical Factors Affecting Hatching in the Green Sea Turtle , Chelonia mydas (L .)*. *Ecology*, **49**(2): 269–276.
- Cavallo, C., Dempster, T., Kearney, M. R., Kelly, E., Booth, D., Hadden, K. M., Jessop, T. S. (2015). Predicting climate warming effects on green turtle hatchling viability and dispersal performance. *Functional Ecology*, **29**(6): 768–778.

- Convention on International Trade in Endangered Species (CITES). 2020. Appendices I, II and III. <https://www.cites.org/eng/app/appendices.php>. Retrieved August 28, 2020.
- Davenport, J. 1997. Temperature and the life-history strategies of sea turtles. *Journal of Thermal Biology*, **22**(6): 479–488.
- Davy, C. M., Paterson, J. E., Leifso, A. E. 2014. When righting is wrong: Performance measures require rank repeatability for estimates of individual fitness. *Animal Behaviour*, **93**: 15–23.
- Dial, B. E. 1987. Energetics and performance during nest emergence and the hatchling frenzy in loggerhead sea turtles (*Caretta caretta*). *Herpetologica*, **43**(3): 307–315.
- Dima, A. O. M., Solihin, D. D., Manalu, W., Boediono, A. (2015). Profil Ekspresi Gen Determinasi Seks, Bioreproduksi, Fenotipe, Dan Performa Lokomotori Penyu Lekang (*Lepidochelys olivacea*) Yang Diinduksi Pada Suhu Inkubasi Berbeda. *Jurnal Ilmu Dan Teknologi Kelautan Tropis*, **7**(1): 143–156.
- Ewert, M. A., Jackson, D. R., Nelson, C. E. 1994. Patterns of temperature-dependent sex determination in turtles. *Journal of Experimental Zoology*, **270**(1): 3–15.
- Fisher, L. R., Godfrey, M. H., Owens, D. W. 2014. Incubation temperature effects on hatchling performance in the loggerhead sea turtle (*Caretta caretta*). *PLoS ONE*, **9**(12): 1–22.
- Foley, A.M., Peck, S.A., Harman, G.R., Richardson, L.W. 2000. Loggerhead turtle (*Caretta caretta*) nesting habitat on low-relief mangrove islands in southwest Florida and consequences to hatchling sex ratios. *Herpetologica*, **56**: 433–445.
- Food and Agriculture Organization (FAO). 2005. Sea turtles conservation and fisheries. FAO Fisheries and Aquaculture Department. Rome, Italy.
- Glen, F., Broderick, A. C., Godley, B. J., Hays, G. C. (2003). Incubation

- environment affects phenotype of naturally incubated green turtle hatchlings. *Journal of the Marine Biological Association of the United Kingdom*, **83**(5): 1183–1186.
- Gusenbauer, M., and Haddaway, N. R. 2020. Which academic search systems are suitable for systematic reviews or meta-analyses? Evaluating retrieval qualities of Google Scholar, PubMed, and 26 other resources. *Research Synthesis Methods*, **11**(2), 181–217.
- Gyuris, E. 1994. The rate of predation by fishes on hatchlings of the green turtle (*Chelonia mydas*). *Coral Reefs*, **13**(3): 137–144.
- Hart, C. E., Zavala-Norzagaray, A. A., Benítez-Luna, O., Plata-Rosas, L. J., Abreu-Grobois, F. A., Ley-Quinonez, C. P. 2016. Effects of incubation technique on proxies for olive ridley sea turtle (*Lepidochelys olivacea*) neonate fitness. *Amphibia Reptilia*, **37**(4): 417–426.
- Hirth, H. F. 1971. Synopsis of biological data on the green sea turtle, *Chelonia mydas*. *FAO Fisheries Synopsis*, **85**(85): 85.
- International Union for Conservation of Nature (IUCN). 2013. The IUCN Red List of Threatened Species. Version 2015-3. Victoria Mahé, Seychelles, France.
- Ischer, T., Ireland, K., Booth, D. T. 2009. Locomotion performance of green turtle hatchlings from the Heron Island Rookery, Great Barrier Reef. *Marine Biology*, **156**(7): 1399–1409.
- Janzen, F. J. 1993. The influence of incubation temperature and family on eggs, embryos, and hatchlings of the smooth softshell turtle (*Apalone mutica*). *Physiological Zoology*, **66**(3): 349–373.
- Janzen, F. J., Tucker, J. K., Paukstis, G. L. 2007. Experimental analysis of an early life-history stage: Direct or indirect selection on body size of hatchling turtles?. *Functional Ecology*, **21**(1): 162–170.
- Kobayashi, S., Aokura, N., Fujimoto, R., Mori, K., Kumazawa, Y., Ando, Y.,

- Matsuda, T., Nitto, H., Arai, K., Watanabe, G., Saito, T. 2018. Incubation and water temperatures influence the performances of loggerhead sea turtle hatchlings during the dispersal phase. *Scientific Reports*, **8**(1): 1–9.
- Kobayashi, S., Wada, M., Fujimoto, R., Kumazawa, Y., Arai, K., Watanabe, G., Saito, T. 2017. The effects of nest incubation temperature on embryos and hatchlings of the loggerhead sea turtle: Implications of sex difference for survival rates during early life stages. *Journal of Experimental Marine Biology and Ecology*, **486**: 274–281.
- Kraemer, J. E., and Bennett, S. H. 1981. Utilization of Posthatching Yolk in Loggerhead Sea Turtles, *Caretta caretta*. *Copeia*, **2**: 406.
- Lang, J. W., Andrews, H. V. 1994. Temperature-dependent sex determination in crocodilians. *Journal of Experimental Zoology*, **270**(1): 28–44.
- Le Gouvello, D. Z. M., Nel, R., Cloete, A. E. (2020). The influence of individual size on clutch size and hatchling fitness traits in sea turtles. *Journal of Experimental Marine Biology and Ecology*, **527**: 151372.
- Lillywhite, H. B., Zippel, K. C., Farrell, A. P. 1999. Resting and maximal heart rates in ectothermic vertebrates. *Comparative Biochemistry and Physiology - A Molecular and Integrative Physiology*, **124**(4): 369–382.
- Liquete, C., Piroddi, C., Drakou, E. G., Gurney, L., Katsanevakis, S., Charef, A., Egoh, B. 2013. Current Status and Future Prospects for the Assessment of Marine and Coastal Ecosystem Services: A Systematic Review. *PLoS ONE*, **8**(7): 2–4
- Lutz, P. L., and Musick, J. A. 1997. Biology of sea turtles. CRS Press, Washington DC. 3–4 p.
- Maulany, R. I., Booth, D. T., Baxter, G. S. 2012. The effect of incubation temperature on hatchling quality in the olive ridley turtle, *Lepidochelys olivacea*, from Alas Purwo National Park, East Java, Indonesia: Implications for hatchery management. *Marine Biology*, **159**(12): 2651–2661.

- Mickelson, L. E., and Downie, J. R. 2010. Influence of incubation temperature on morphology and locomotion performance of leatherback (*Dermochelys coriacea*) hatchlings. *Canadian Journal of Zoology*, **88**(4): 359–368.
- Moher, D., Liberati, A., Tetzlaff, J., Altman, D. G., Altman, D., Antes, G., Atkins, D., Barbour, V., Barrowman, N., Berlin, J. A., Clark, J., Clarke, M., Cook, D., D'Amico, R., Deeks, J. J., Devereaux, P. J., Dickersin, K., Egger, M., Ernst, E., ... Tugwell, P. 2009. Preferred reporting items for systematic reviews and meta-analyses: The PRISMA statement. *PLoS Medicine*, **6**(7).
- Moran, K. L., Bjørndal, K. A., Bolten, A. B. 1999. Effects of the thermal environment on the temporal pattern of emergence of hatchling loggerhead turtles *Caretta caretta*. *Marine Ecology-Progress Series*, **189**: 251-261.
- Mortimer, J. A. 1990. The Influence of Beach Sand Characteristics on the Nesting Behavior and Clutch Survival of Green Turtles (*Chelonia mydas*). *Copeia*,(3): 802.
- _____. 1999. Reducing threats to eggs and hatchlings: hatcheries. In: Eckert, K.L., K.A. Bjørndal, F.A. Abreu-Grobois and M. Donnelly (Eds.). Research and Management Techniques for the Conservation of Sea Turtles. IUCN/SSC Marine Turtle Specialist Group Publication 4. 175-178 p.
- Mueller, M. S., Ruiz-García, N. A., García-Gasca, A., Abreu-Grobois, F. A. (2019). Best swimmers hatch from intermediate temperatures: Effect of incubation temperature on swimming performance of olive ridley sea turtle hatchlings. *Journal of Experimental Marine Biology and Ecology*, **519**: 151186.
- Nelson, N. J., Thompson, M. B., Pledger, S., Keall, S. N., Daugherty, C. H. 2006. Performance of juvenile tuatara depends on age, clutch, and incubation regime. *Journal of Herpetology*, **40**(3): 399–403.
- O'Leary, B. C., Bayliss, H. R., Haddaway, N. R. 2015. Beyond PRISMA: Systematic reviews to inform marine science and policy. *Marine Policy*, **62**: 261–263.
- Özdemir, A., Ilgaz, Ç., Kumlutaş, Y., Durmuş, S. H., Kaska, Y., Türkozan, O.

2007. An Assessment of Initial Body Size in Loggerhead Sea Turtle (*Caretta caretta*) Hatchlings in Turkey. *Zoological Science*, **24**(4): 376–380.
- Paitz, R. T., Gould, A. C., Holgersson, M. C. N., Bowden, R. M. 2010. Temperature, phenotype, and the evolution of temperature-dependent sex determination: How do natural incubations compare to laboratory incubations? *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **314**(1B): 86–93.
- Paterson, J. E., Steinberg, B. D., Litzgus, J. D. 2014. Effects of body size, habitat selection and exposure on hatchling turtle survival. *Journal of Zoology*, **294**(4): 278–285.
- Patino-Martinez, J., Marco, A., Quiñones, L., Abella, E., Abad, R. M., Diéguez-Uribeondo, J. 2012. How do hatcheries influence embryonic development of sea turtle eggs? Experimental analysis and isolation of microorganisms in leatherback turtle eggs. *Journal of Experimental Zoology Part A: Ecological Genetics and Physiology*, **317** A(1): 47–54.
- Patino-Martinez, J., Marco, A., Quiñones, L., Hawkes, L. 2012. A potential tool to mitigate the impacts of climate change to the caribbean leatherback sea turtle. *Global Change Biology*, **18**(2): 401–411.
- Pearse, D. E. and Avise, J. C. 2001. Turtle mating systems: Behavior, sperm storage, and genetic paternity. *Journal of Heredity*, **92**(2): 206–211.
- Pereira, C. M., Booth, D. T., Limpus, C. J. 2011. Locomotor activity during the frenzy swim: Analysing early swimming behaviour in hatchling sea turtles. *Journal of Experimental Biology*, **214**(23): 3972–3976.
- Pritchard, P. C. H., and Mortimer, J. A. 1999. Taxonomy, external morphology, and species identification. *Research and Management Techniques for the Conservation of Sea Turtles*, **4**: 22–34).
- Putra, B. A., K, E. W., dan Rejeki, S. 2014. Studi Karakteristik Biofisik Habitat Peneluran Penyu Hijau (*Chelonia mydas*) Di Pantai Paloh, Sambas, Kalimantan Barat. *Journal of Marine Research*, **3**(3): 173–181.

- Read, T., Booth, D. T., Limpus, C. J. 2012. Effect of nest temperature on hatchling phenotype of loggerhead turtles (*Caretta caretta*) from two South Pacific rookeries, Mon Repos and la Roche Percée. *Australian Journal of Zoology*, **60**(6): 402–411.
- Reid, K. A., Margaritoulis, D., Speakman, J. R. 2009. Incubation temperature and energy expenditure during development in loggerhead sea turtle embryos. *Journal of Experimental Marine Biology and Ecology*, **378**(1–2): 62–68.
- Rivas, M. L., Esteban, N., Marco, A. 2019. Potential male leatherback hatchlings exhibit higher fitness which might balance sea turtle sex ratios in the face of climate change. *Climatic Change*, **156**(1–2).
- Rusli, M. U., Joseph, J., Liew, H. C., Bachok, Z. 2015. Effects of egg incubation methods on locomotor performances of green turtle (*Chelonia mydas*) hatchlings. *Sains Malaysiana*, **44**(1): 49–55.
- Saito, T., Wada, M., Fujimoto, R., Kobayashi, S., Kumazawa, Y. 2019. Effects of sand type on hatch, emergence, and locomotor performance in loggerhead turtle hatchlings. *Journal of Experimental Marine Biology and Ecology*, **511**: 54–59.
- Sim, E. L., Booth, D. T., Limpus, C. J. 2014. Non-modal Scute Patterns, Morphology, and Locomotor Performance of Loggerhead (*Caretta caretta*) and Flatback (*Natator depressus*) Turtle Hatchlings . *Copeia*, **2014**(1): 63–69.
- _____. 2015. Incubation temperature, morphology and performance in loggerhead (*Caretta caretta*) turtle hatchlings from Mon Repos, Queensland, Australia. *Biology Open*, **4**(6): 685–692.
- Sim, E. L., Booth, D. T., Limpus, C. J., Guinea, M. L. 2014. A Comparison of Hatchling Locomotor Performance and Scute Pattern Variation between Two Rookeries of the Flatback Turtle (*Natator depressus*). *Copeia*, **2014**(2): 339–344.
- Smith, C. C., and Fretwell, S. D. 1974. The optimal balance between size and number of offspring. *The American Naturalist*, **108**(962): 499–506.

- Staines, M. N., Booth, D. T., Limpus, C. J. 2019. Microclimatic effects on the incubation success, hatchling morphology and locomotor performance of marine turtles. *Acta Oecologica*, **97**: 49–56.
- Stewart, T. A., Booth, D. T., Rusli, M. U. 2019. Influence of sand grain size and nest microenvironment on incubation success, hatchling morphology and locomotion performance of green turtles (*Chelonia mydas*) at the Chagar Hutang Turtle Sanctuary, Redang Island, Malaysia. *Australian Journal of Zoology*, **66**(6): 356–368.
- Steyermark, A. C., and Spotila, J. R. 2001. Effects of maternal identity and incubation temperature on Snapping Turtle (*Chelydra serpentina*) growth. *Functional Ecology*, **15**(5): 624–632.
- Suprpti, D., Adnyana, I. B. W., Arthana, I. 2002. Identifikasi seks rasio tukik penyu hijau. *Ectrophic*, **5**(2): 134–138.
- Tapilatu, R. F., Wona, H., Batubara, P. P. 2017. Status of sea turtle populations and its conservation at Bird's Head Seascape, Western Papua, Indonesia. *Biodiversitas*, **18**(1): 129–136.
- Tezak, B., Bentley, B., Arena, M., Mueller, S., Snyder, T., Sifuentes, I. 2020. Incubation environment and parental identity affect sea turtle development and hatchling phenotype. *Oecologia*, 0123456789.
- Tisdell, C., and Wilson, C. 2005. Do open-cycle hatcheries relying on tourism conserve sea turtles? Sri Lankan developments and economic-ecological considerations. *Environmental Management*, **35**(4): 441–452.
- Triessnig, P., Roetzer, A., and Stachowitsch, M. 2012. Beach Condition and Marine Debris: New Hurdles for Sea Turtle Hatchling Survival. *Chelonian Conservation and Biology*, **11**(1): 68–77.
- Van Buskirk, J., and Crowder, L. B. 1994. Life-History Variation in Marine Turtles Author (s): Josh van Buskirk and Larry B . Crowder Life-History Variation in Marine Turtles. *American Society of Ichthyologists and*

Herpetologists (ASIH), (1): 66–81.

Van De Merwe, J., Ibrahim, K., Whittier, J. 2005. Effects of hatchery shading and nest depth on the development and quality of *Chelonia mydas* hatchlings: Implications for hatchery management in Peninsular, Malaysia. *Australian Journal of Zoology*, **53**(3): 205–211.

_____. 2013. Post-emergence handling of green turtle hatchlings: Improving hatchery management worldwide. *Animal Conservation*, **16**(3): 316–323.

Wicaksono, M. A., Elfidasari, D., Kurniawan, A. 2013. Aktivitas Pelestarian Penyu Hijau (*Chelonia mydas*) di Taman Pesisir Pantai Penyu Pangumbahan Sukabumi Jawa Barat. *Prosiding Seminar Nasional Matematika, Sains, Dan Teknologi*, **4**: B116–B123.

Wood, A., Booth, D. T., Limpus, C. J. (2014). Sun exposure, nest temperature and loggerhead turtle hatchlings: Implications for beach shading management strategies at sea turtle rookeries. *Journal of Experimental Marine Biology and Ecology*, **451**: 105–114.



