

DAFTAR PUSTAKA

- Ajibade, D. A., Vance, D. D., Hare, J. M., Kaplan, L. D., & Lesniak, B. P. 2014. Emerging Applications of Stem Cell and Regenerative Medicine to Sports Injuries. *The Orthopaedic Journal of Sports Medicine*, 2(2). <https://doi.org/10.1177/2325967113519935>
- Alibardi, L. 1995. Histogenesis of fat tissue in the regenerating tail of the lizard (*Lampropholis spp.*). *Canadian Journal of Zoology*, 73, 1077–1084.
- Alibardi, L. 2014. Histochemical, Biochemical and Cell Biological aspects of tail regeneration in lizard, an amniote model for studies on tissue regeneration. *Progress in Histochemistry and Cytochemistry*, 48(4), 143–244. <https://doi.org/10.1016/j.proghi.2013.12.001>
- Alibardi, L. 2015a. Original and regenerating lizard tail cartilage contain putative resident stem/progenitor cells. *Micron*, 78, 10–18. <https://doi.org/10.1016/j.micron.2015.06.003>
- Alibardi, L. 2015b. Regeneration of articular cartilage in lizard knee from resident stem/progenitor cells. *International Journal of Molecular Sciences*, 16(9), 20731–20747. <https://doi.org/10.3390/ijms160920731>
- Alibardi, L. 2015c. Regeneration of the Epiphysis Including the Articular Cartilage in the Injured Knees of the Lizard *Podarcis muralis*. *Journal of Developmental Biology*, 3(2), 71–89. <https://doi.org/10.3390/jdb3020071>
- Alibardi, L. 2016. Localization of Proliferating Cells in the Inter-Vertebral Region of the Developing and Adult Vertebrae of Lizards in Relation to Growth and Regeneration. *Anatomical Record*, 299(4), 461–473. <https://doi.org/10.1002/ar.23319>
- Alibardi, L. 2019. Immunodetection of ephrin receptors in the regenerating tail of the lizard *Podarcis muralis* suggests stimulation of differentiation and muscle segmentation. *Zoological Research*, 40(5), 416–426. <https://doi.org/10.24272/j.issn.2095-8137.2019.046>
- Alibardi, L., & Miolo, V. 1990. Fine observation on nerves colonizing the regenerating tail of the lizard *Podarcis sicula*. *Histology and Histopathology*, 5(4), 387–396.
- Arnold, E. N. 1984. Evolutionary aspects of tail shedding in lizards and their relatives. *Journal of Natural History*, 18(1), 127–169. <https://doi.org/10.1080/00222938400770131>
- Astarini, F. D., Yunus, J., Rohmah, Z., Arfian, N., Hidayati, L., Retnoaji, B., & Nurhidayat, L. 2018. The distribution and expressions of bmp3 and mgp at different stages of tail regeneration of *Gekko gekko* (Linnaeus, 1758). *Journal of Developmental Biology*.
- Astarini, F. D., Yunus, J., & Sari, D. C. R. 2017. *THE DISTRIBUTION OF BMP3 AND THE EXPRESSIONS OF BMP3, COL2A1, MGP, AND ACAN AT DIFFERENT STAGES OF REGENERATING TAIL OF Gekko gekko LINNAEUS 1758*. Universitas Gadjah Mada.
- Autumn, K. 2006. Mechanisms of Adhesion in Geckos. *Integrative and Comparative Biology*, 42(6), 1081–1090. <https://doi.org/10.1093/icb/42.6.1081>

- Azide, S., & Free, T. 2000. *Starr Trek Universal HRP Detection System Starr Trek Universal HRP Detection System Sodium Azide and Thimerosal Free*. 1–2.
- Bancroft, J., & Cook, H. 1988. *Manual of Histology Techniques and Their Diagnostic Application*. Churchill Livingstone.
- Bateman, P. W., & Fleming, P. A. 2009. To cut a long tail short: A review of lizard caudal autotomy studies carried out over the last 20 years. *Journal of Zoology*, 277(1), 1–14. <https://doi.org/10.1111/j.1469-7998.2008.00484.x>
- Beck, C. W., Christen, B., Barker, D., & Slack, J. M. W. 2006. Temporal requirement for bone morphogenetic proteins in regeneration of the tail and limb of *Xenopus* tadpoles. *Mechanisms of Development*, 123, 674–688. <https://doi.org/10.1016/j.mod.2006.07.001>
- Bely, A. E., & Nyberg, K. G. 2010. Evolution of animal regeneration: re-emergence of a field. *Trends in Ecology and Evolution*, 25(3), 161–170. <https://doi.org/10.1016/j.tree.2009.08.005>
- Bentzinger, C. F., Wang, Y. X., & Rudnicki, M. A. 2012. Building Muscle : Molecular Regulation of Myogenesis. *Cold Spring Harbor Perspectives in Biology*, 4, a008342.
- Boozalis, T. S., LaSalle, L. T., & Davis, J. R. 2012. Morphological and biochemical analyses of original and regenerated lizard tails reveal variation in protein and lipid composition. *Comparative Biochemistry and Physiology - A Molecular and Integrative Physiology*, 161(1), 77–82. <https://doi.org/10.1016/j.cbpa.2011.09.004>
- Botchkarev, V. A. 2003. Bone Morphogenetic Proteins and Their Antagonists in Skin and Hair Follicle Biology. *The Journal of Investigative Dermatology*, 120(1), 36–47. <https://doi.org/10.1046/j.1523-1747.2003.12002.x>
- Caillabet, O. 2013. The trade in Tokay Geckos in South-East Asia: with a case study on Novel Medicinal Claims in Peninsular Malaysia. In *Traffic*.
- Daniels, C. B., Lewis, B. C., Tsoelas, C., Munns, S. L., Orgeig, S., Baldwin, M. E., Stacker, S. A., Achen, M. G., Chatterton, B. E., & Cooter, R. D. 2003. Regenerating lizard tails: a new model for investigating lymphangiogenesis. *The FASEB Journal : Official Publication of the Federation of American Societies for Experimental Biology*, 17(3), 479–481.
- De Rooij, N. 1915. *The Reptiles of the Indo-Australian Archipelago Book I : Lacertilia, Chelonia, Emydosauria*. E.J. Brill.
- Durant, F., Lobo, D., Hammelman, J., & Levin, M. 2016. Physiological controls of large-scale patterning in planarian regeneration: a molecular and computational perspective on growth and form. *Regeneration*, 3(2), 78–102. <https://doi.org/10.1002/reg2.54>
- El Bialy, I., Jiskoot, W., & Reza Nejadnik, M. 2017. Formulation, Delivery and Stability of Bone Morphogenetic Proteins for Effective Bone Regeneration. *Pharmaceutical Research*, 34(6), 1152–1170. <https://doi.org/10.1007/s11095-017-2147-x>
- Fox, S. F., & McCoy, J. K. 2000. The effects of tail loss on survival, growth, reproduction, and sex ratio of offspring in the lizard *Uta stansburiana* in the field. *Oecologia*, 122(3), 327–334. <https://doi.org/10.1007/s004420050038>
- Gamer, L. W., Cox, K., Carlo, J. M., & Rosen, V. 2009. Overexpression of BMP3 in the developing skeleton alters endochondral bone formation resulting in

- spontaneous rib fractures. *Developmental Dynamics*, 238(9), 2374–2381. <https://doi.org/10.1002/dvdy.22048>
- Gamer, L. W., Ho, V., Cox, K., & Rosen, V. 2008. Expression and function of BMP3 during chick limb development. *Developmental Dynamics*, 237(6), 1691–1698. <https://doi.org/10.1002/dvdy.21561>
- Gang, R. K., & Lenghi, M. 1982. Conservative Management of Guillotine Amputations of Finger Tips. *Chirurgia Plastica*, 7, 75–81.
- Gilbert, E. A. B., Delorme, S. L., & Vickaryous, M. K. 2015. The regeneration blastema of lizards: an amniote model for the study of appendage replacement. *Regeneration*, 2(2), 45–53. <https://doi.org/10.1002/reg2.31>
- Gilbert, Emily A.B., Payne, S. L., & Vickaryous, M. K. 2013. The Anatomy and Histology of Caudal Autotomy and Regeneration in Lizards. *Physiological and Biochemical Zoology*, 86(6), 634–644. <https://doi.org/10.1086/673889>
- Goldring, M. B., Tsuchimochi, K., & Ijiri, K. 2006. The Control of Chondrogenesis. *Journal of Cellular Biochemistry*, 97, 33–44. <https://doi.org/10.1002/jcb.20652>
- Higham, T. E., Russell, A. P., & Zani, P. A. 2013. Integrative Biology of Tail Autotomy in Lizards. *Physiological and Biochemical Zoology*, 86(6), 603–610. <https://doi.org/10.1086/673875>
- Huntley, R., Jensen, E., Gopalakrishnan, R., & Mansky, K. C. 2019. Bone morphogenetic proteins: Their role in regulating osteoclast differentiation. *Bone Reports*, 10(April). <https://doi.org/10.1016/j.bonr.2019.100207>
- Hutchins, E. D., Markov, G. J., Eckalbar, W. L., George, R. M., King, J. M., Tokuyama, M. A., Geiger, L. A., Emmert, N., Ammar, M. J., Allen, A. N., Siniard, A. L., Corneveaux, J. J., Fisher, R. E., Wade, J., DeNardo, D. F., Rawls, J. A., Huentelman, M. J., Wilson-Rawls, J., & Kusumi, K. 2014. Transcriptomic Analysis of Tail Regeneration in the Lizard *Anolis carolinensis* Reveals Activation of Conserved Vertebrate Developmental and Repair Mechanisms. *PLoS ONE*, 9(8), e105004. <https://doi.org/https://doi.org/10.1371/journal.pone.0105004>
- ITIS. 2019. *Gekko gekko* (Linnaeus, 1758). https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=174050#null
- Jacyniak, K., McDonald, R. P., & Vickaryous, M. K. 2017. Tail regeneration and other phenomena of wound healing and tissue restoration in lizards. *Journal of Experimental Biology*, 220, 2858–2869. <https://doi.org/10.1242/jeb.126862>
- Jagnandan, K., Russell, A. P., & Higham, T. E. 2014. Tail autotomy and subsequent regeneration alter the mechanics of locomotion in lizards. *The Journal of Experimental Biology*, 217, 3891–3897. <https://doi.org/10.1242/jeb.110916>
- Jing, Y., Jing, J., Ye, L., Liu, X., Harris, S. E., & Hinton, R. J. 2017. Chondrogenesis and osteogenesis are one continuous developmental and lineage defined biological process. *Scientific Reports*, April, 1–10. <https://doi.org/10.1038/s41598-017-10048-z>
- Katagiri, T., & Watabe, T. 2016. Bone Morphogenetic Proteins. *Cold Spring Harbor Perspectives in Biology*, 8(6), 1–27. <https://doi.org/10.1101/cshperspect.a021899>

- Keller, B., Yang, T., Chen, Y., Munivez, E., Bertin, T., & Zabel, B. 2011. Interaction of TGF b and BMP Signaling Pathways during Chondrogenesis. *PLoS ONE*, 6(1), e16421. <https://doi.org/10.1371/journal.pone.0016421>
- Kokabu, S., Gamer, L., Cox, K., Lowery, J., Tsuji, K., Raz, R., Economides, A., Katagiri, T., & Rosen, V. 2011. BMP3 Suppresses Osteoblast Differentiation of Bone Marrow Stromal Cells via Interaction with Acvr2b. *Molecular Endocrinology*, 26(1), 87–94. <https://doi.org/10.1210/me.2011-1168>
- Kokabu, S., & Rosen, V. 2018. BMP3 expression by osteoblast lineage cells is regulated by canonical Wnt signaling. *FEBS Open Bio*, 8(2), 168–176. <https://doi.org/10.1002/2211-5463.12347>
- Lee, K. B., Folger, J. K., Rajput, S. K., & Smith, G. W. 2014. Temporal regulation of mRNAs for select bone morphogenetic proteins (BMP), BMP receptors and their associated SMAD proteins during bovine early embryonic development: Effects of exogenous BMP2 on embryo developmental progression. *Reproductive Biology and Endocrinology*, 12(1), 1–10. <https://doi.org/10.1186/1477-7827-12-67>
- Lever, C. 2003. *Naturalized Reptiles and Amphibians of the World*. Oxford University Press.
- Lim, C. H., Sun, Q., Ratti, K., Lee, S., Zheng, Y., Takeo, M., Lee, W., Rabbani, P., Plikus, M. V, Cain, J. E., Wang, D. H., Watkins, D. N., Millar, S., Taketo, M. M., Myung, P., Cotsarelis, G., & Ito, M. 2018. Hedgehog stimulates hair follicle neogenesis by reating inductive dermis during murine skin wound healing. *Nature Communications*, 9, 4903. <https://doi.org/10.1038/s41467-018-07142-9>
- Lozito, T. P., & Tuan, R. S. 2015. Lizard tail regeneration: Regulation of two distinct cartilage regions by Indian hedgehog. *Developmental Biology*, 399(2), 249–262. <https://doi.org/10.1016/j.ydbio.2014.12.036>
- Maginnis, T. L. 2006. The costs of autotomy and regeneration in animals: A review and framework for future research. *Behavioral Ecology*, 17(5), 857–872. <https://doi.org/10.1093/beheco/arl010>
- Mattison, C. 2014. *Nature Guide : Snakes and Other Reptiles and Amphibians*. DK Publishing.
- McLean, K. E., & Vickaryous, M. K. 2011. A novel amniote model of epimorphic regeneration: The leopard gecko, *Eublepharis macularius*. *BMC Developmental Biology*, 11(1), 50. <https://doi.org/10.1186/1471-213X-11-50>
- Midori, I.-A., Yukio, N., Mika, M., Xinjun, H., Masanori, H., Ramida, W., & Hiroyuki, K. 2014. Temporal and Spatial Expression Patterns of Bone Morphogenetic Protein 3 in Developing Zebrafish. *The Open Rheumatology Journal*, 8(1), 69–72. <https://doi.org/10.2174/1874312901408010069>
- Nugrahani, A. 2011. *Karakteristik morfologis dan teknik pemeliharaan tokek dan cicak di penangkaran PT Mega Citrindo*. Institut Pertanian Bogor.
- Nurhidayat, L., Devi, N. A., & Fadhillah, D. 2020. Histological structure of nerve fiber and blood vessels in regenerated tail of Tokay gecko (*Gekko gecko* (Linnaeus , 1758)). *AIP Conference Proceedings* 2260, 030010, 030010-1-030010–030011.
- Nurhidayat, L., Pratama, D. K., Devi, N. A., & Rohmah, Z. 2020. The development of integument and muscle in regenerated tail of Tokay gecko (*Gekko gecko* Linnaeus , 1758). *AIP Conference Proceeding*, 2260(030009),

030009:1-030009:11. <https://doi.org/https://doi.org/10.1063/5.0015759>

- Palade, J., Djordjevic, D., Hutchins, E. D., George, R. M., Cornelius, J. A., Rawls, A., Ho, J. W. K., Kusumi, K., & Wilson-Rawls, J. 2018. Identification of satellite cells from anole lizard skeletal muscle and demonstration of expanded musculoskeletal potential. *Developmental Biology*, 433(2), 344–356. <https://doi.org/10.1016/j.ydbio.2017.08.037>
- Payne, S. L., Peacock, H. M., & Vickaryous, M. K. 2017. Blood Vessel Formation During Tail Regeneration in the Leopard Gecko (*Eublepharis macularius*): The Blastema Is Not Avascular. *Journal of Morphology*, 00(000), 000–000. <https://doi.org/10.1002/jmor.20648>
- Pirotte, N., Leynen, N., Artois, T., & Smeets, K. 2016. Do you have the nerves to regenerate? The importance of neural signalling in the regeneration process. *Developmental Biology*, 409(1), 4–15. <https://doi.org/10.1016/j.ydbio.2015.09.025>
- Quijano, L. M., Lynch, K. M., Allan, C. H., Badylak, S. F., & Ahsan, T. 2016. Looking Ahead to Engineering Epimorphic Regeneration of a Human Digit or Limb. *Tissue Engineering Part B: Reviews*, 22(3), 251–262. <https://doi.org/10.1089/ten.teb.2015.0401>
- Ritzman, T. B., Stroik, L. K., Julik, E., Hutchins, E. D., Lasku, E., Denardo, D. F., Wilson-Rawls, J., Rawls, J. A., Kusumi, K., & Fisher, R. E. 2012. The Gross Anatomy of the Original and Regenerated Tail in the Green Anole (*Anolis carolinensis*). *Anatomical Record*, 295(10), 1596–1608. <https://doi.org/10.1002/ar.22524>
- Roots, C. 2006. *Nocturnal Animals*. Greenwood Press.
- Russell, A. P., Lynn, S. E., Powell, G. L., & Cottle, A. 2015. The regenerated tail of juvenile leopard geckos (*Gekkota*: *Eublepharidae*: *Eublepharis macularius*) preferentially stores more fat than the original. *Zoology*, 118(3), 183–191. <https://doi.org/10.1016/j.zool.2014.12.003>
- Sagonas, K., Karambotsi, N., Bletsas, A., Reppas, A., Pafilis, P., & Valakos, E. D. 2017. Tail regeneration affects the digestive performance of a mediterranean lizard. *Science of Nature*, 104(3–4), 2–6. <https://doi.org/10.1007/s00114-017-1437-9>
- Sampogna, G., Yousuf, S., & Forgione, A. 2015. Regenerative medicine: Historical roots and potential strategies in modern medicine. *Journal of Microscopy and Ultrastructure*, 3(3), 101–107. <https://doi.org/10.1016/j.jmau.2015.05.002>
- Sanggaard, K. W., Danielsen, C. C., Wogensen, L., Vinding, M. S., Rydtoft, L. M., Mortensen, M. B., Karring, H., Nielsen, N. C., Wang, T., Thøgersen, I. B., & Enghild, J. J. 2012. Unique Structural Features Facilitate Lizard Tail Autotomy. *PLoS ONE*, 7(12). <https://doi.org/10.1371/journal.pone.0051803>
- Schmitz, N., Laverty, S., Kraus, V. B., & Aigner, T. 2010. Basic methods in histopathology of joint tissues. *Osteoarthritis and Cartilage*, 18(SUPPL. 3), S113–S116. <https://doi.org/10.1016/j.joca.2010.05.026>
- Seifert, A. W., & Muneoka, K. 2018. The blastema and epimorphic regeneration in mammals. *Journal of Developmental Biology*, 433(2), 190–199.
- Sheikh, Z., Javaid, M. A., Hamdan, N., & Hashmi, R. 2015. Bone regeneration using bone morphogenetic proteins and various biomaterial carriers. *Materials*, 8(4), 1778–1816. <https://doi.org/10.3390/ma8041778>

- Shi, S.-R., Gu, J., Kalra, K. L., Chen, T., Cote, R. J., & Taylor, C. R. 1997. Antigen Retrieval Technique: A Novel Approach to Immunohistochemistry on Routinely Processed Tissue Sections. In J. Gu (Ed.), *Analytical Morphology: Theory, Applications, and Protocols* (pp. 1–40). Eaton Publishing, Co.
- Shi, S. R., Liu, C., & Taylor, C. R. 2007. Standardization of immunohistochemistry for formalin-fixed, paraffin-embedded tissue sections based on the antigen-retrieval technique: From experiments to hypothesis. *Journal of Histochemistry and Cytochemistry*, 55(2), 105–109. <https://doi.org/10.1369/jhc.6P7080.2006>
- Szydlowski, P., Madej, J. P., & Mazurkiewicz-Kania, M. 2017. Histology and ultrastructure of the integumental chromatophores in tokay gecko (Gekko gekko) (Linnaeus, 1758) skin. *Zoomorphology*, 136(2), 233–240. <https://doi.org/10.1007/s00435-017-0348-9>
- Tang, J. B., Elliot, D., Adani, R., Saint-cyr, M., & Stang, F. 2014. Repair and Reconstruction of Thumb and Finger Tip Injuries A Global View. *Clinics IPlastic Surg*, 41(3), 325–359. <https://doi.org/10.1016/j.cps.2014.04.004>
- Ude, C. C., Sulaiman, S. B., Min-hwei, N., Hui-cheng, C., Ahmad, J., Yahaya, N. M., Saim, A. B., & Idrus, R. B. H. 2014. Cartilage Regeneration by Chondrogenic Induced Adult Stem Cells in Osteoarthritic Sheep Model. *PLoS ONE*, 9(6), e98770. <https://doi.org/10.1371/journal.pone.0098770>
- Vieira, J. J. 2014. *Quantifying Peripheral Nerve Regeneration Following Tail Loss in the Leopard Gecko (Eublepharis macularius)*. The University of Guelph.
- Wu, P., Alibardi, L., & Chuong, C.-M. 2014. Regeneration of reptilian scales after wounding: neogenesis, regional difference, and molecular modules. *Regeneration*, 1(1), 15–26. <https://doi.org/10.1016/j.pain.2013.06.005.Re-Thinking>
- Yamashita, A., Nishikawa, S., & Rancourt, D. E. 2010. Identification of Five Developmental Processes during Chondrogenic Differentiation of Embryonic Stem Cells. *PLoS ONE*, 5(6), e10998. <https://doi.org/10.1371/journal.pone.0010998>
- Yamashita, K., Mikawa, S., & Sato, K. 2016. BMP3 expression in the adult rat CNS. *Brain Research*, 1643, 35–50. <https://doi.org/10.1016/j.brainres.2016.04.057>
- Zhang, Z., Yang, W., Cao, Y., Shi, Y., Lei, C., Du, B., Li, X., & Zhang, Q. 2015. The functions of BMP3 in rabbit articular cartilage repair. *International Journal of Molecular Sciences*, 16(11), 25934–25946. <https://doi.org/10.3390/ijms161125937>
- Zuscik, M. J., Chen, D., O’Kefee, R. J., Hilton, M. J., Zhang, X., & Chen, D. 2008. Regulation of chondrogenesis and chondrocyte differentiation by stress. *The Journal of Clinical Investigation*, 118(2), 429–438. <https://doi.org/10.1172/JCI34174.of>
- Zuscik, M. J., Hilton, M. J., Zhang, X., Chen, D., & Keefe, R. J. O. 2008. Regulation of chondrogenesis and chondrocyte differentiation by stress. *The Journal of Clinical Investigation*, 118(2), 429–438. <https://doi.org/10.1172/JCI34174.of>