UNIVERSITAS
GADJAH MADA
**Pengaruh Diet Rendah Protein Dan Diet Rendah Kalori Pada Mencit Dan Keturunannya Terhadap Gambaran
Struktur Mikroanatomi Musculus Levator Ani**
KHAIRINA HASHIFAH, Dr. dr. Shofwal Widad, Sp.O.G. Subsp. F.E.R.; dr. Agung Dewanto, Sp.O.G. Subsp. F.E.R., P
Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Ajayi, A. F., & Akhigbe, R. E. (2020). Staging of the estrous cycle and induction of estrus in experimental rodents: an update. *Fertility Research and Practice*, *6*(1). https://doi.org/10.1186/s40738-020-00074-3

Amtiran, C. P. K., Amalo, F. A., & , Inggrid T. Maha, H. N. (2021). Jurnal Ilmiah Peternakan Terpadu. *Jurnal Ilmiah Peternakan Terpadu*, *9*(November), 265–278. https://jurnal.fp.unila.ac.id/index.php/JIPT/article/view/5507/3811#page=11

Aragão, R., Guzmán-Quevedo, O., Pérez-García, G., Toscano, A. E., Gois Leandro, C., Manhães-de-Castro, R., & Bolaños-Jiménez, F. (2014). Differential developmental programming by early protein restriction of rat skeletal muscle according to its fibre-type composition. *Acta Physiologica*, *210*(1), 70–83. https://doi.org/10.1111/apha.12073

Boldrin, L., Ross, J. A., Whitmore, C., Doreste, B., Beaver, C., Eddaoudi, A., Pearce, D. J., & Morgan, J. E. (2017). The effect of calorie restriction on mouse skeletal muscle is sex, strain and time-dependent /631/443/7 /631/532/7 /13/1 /13/31 /13/51 /13/100 /13/106 /64/60 article. *Scientific Reports*, *7*(1), 1–16. https://doi.org/10.1038/s41598-017-04896-y

Bryda, E. C. (2013). The Mighty Mouse: The Impact of Rodents on Advances in Biomedical Research. *Science of Medicine*, 207–209. www.who.int/cardiovascular_diseases

Byers, S. L., Wiles, M. V., Dunn, S. L., & Taft, R. A. (2012). Mouse estrous cycle identification tool and images. *PLoS ONE*, *7*(4). https://doi.org/10.1371/journal.pone.0035538

Christoforou, E. R., & Sferruzzi-Perri, A. N. (2020). Molecular mechanisms governing offspring metabolic programming in rodent models of in utero stress. In *Cellular and Molecular Life Sciences* (Vol. 77, Issue 23). Springer International Publishing. https://doi.org/10.1007/s00018-020-03566-z

DeLancey, J. O. L. (2016). Pelvic Floor Anatomy and Pathology. In *Biomechanics of the Female Pelvic Floor* (pp. 13–51). Elsevier Inc. https://doi.org/10.1016/B978-0-12-803228-2.00002-7

Desai, M., Crowther, N. J., Lucas, A., & Nicholas Hales, C. (1996). Organ-selective growth in the offspring of protein-restricted mothers. *British Journal of Nutrition*, *76*(4), 591–603. https://doi.org/10.1079/bjn19960065

Dewanto, A., Anshori, K., Trizia, V., Gunanegara, R. F., Hospital, S., & Mada, U. G. (2022). *Maternal Low Protein Diet Causes Low Sperm Quality and Low Sperm DNA Integrity in Male Offspring*. 1–18.

Douhard, M. (2017). Offspring sex ratio in mammals and the Trivers-Willard hypothesis: In pursuit of unambiguous evidence. *BioEssays*, *39*(9), 1–10. https://doi.org/10.1002/bies.201700043

Duque-Guimarães, D. E., & Ozanne, S. E. (2013). Nutritional programming of insulin resistance: Causes and consequences. *Trends in Endocrinology and Metabolism*, *24*(10), 525–535. https://doi.org/10.1016/j.tem.2013.05.006

Ekambaram, G., Kumar, S. K. S., & Joseph, L. D. (2017). Comparative study on the estimation of estrous cycle in mice by visual and vaginal lavage method.

UNIVERSITAS
GADJAH MADA
**Pengaruh Diet Rendah Protein Dan Diet Rendah Kalori Pada Mencit Dan Keturunannya Terhadap Gambaran
Struktur Mikroanatomi Musculus Levator Ani**
KHAIRINA HASHIFAH, Dr. dr. Shofwal Widad, Sp.O.G. Subsp. F.E.R.; dr. Agung Dewanto, Sp.O.G. Subsp. F.E.R., P
Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Journal of Clinical and Diagnostic Research, *11*(1), AC05–AC07. https://doi.org/10.7860/JCDR/2017/23977.9148

Fandiño, J., Toba, L., González-Matías, L. C., Diz-Chaves, Y., & Mallo, F. (2019). Perinatal undernutrition, metabolic hormones, and lung development. *Nutrients*, *11*(12). https://doi.org/10.3390/nu11122870

Fisch, J., Feistauer, V., de Moura, A. C., Silva, A. O., Bollis, V., Porawski, M., Almeida, S., Guedes, R. P., Barschak, A. G., & Giovenardi, M. (2019). Maternal feeding associated to post-weaning diet affects metabolic and behavioral parameters in female offspring. *Physiology and Behavior*, *204*(February), 162–167. https://doi.org/10.1016/j.physbeh.2019.02.026

Herring, C. M., Bazer, F. W., Johnson, G. A., & Wu, G. (2018). Impacts of maternal dietary protein intake on fetal survival, growth, and development. *Experimental Biology and Medicine*, *243*(6), 525–533. https://doi.org/10.1177/1535370218758275

Hsu, C.-N., & Tain, Y.-L. (2019). The Good , the Bad , and the Ugly of Pregnancy. *Nutrients*, *11*(894), 1–21.

Huang, J., Wang, J., Gu, L., Bao, J., Yin, J., Tang, Z., Wang, L., & Yuan, W. (2013). Effect of a low-protein diet supplemented with ketoacids on skeletal muscle atrophy and autophagy in rats with type 2 diabetic nephropathy. *PLoS ONE*, *8*(11). https://doi.org/10.1371/journal.pone.0081464

Jahan-Mihan, A., Smith, C. E., Hamedani, A., & Anderson, G. H. (2011). Soy protein-based compared with casein-based diets fed during pregnancy and lactation increase food intake and characteristics of metabolic syndrome less in female than male rat offspring. *Nutrition Research*, *31*(8), 644–651. https://doi.org/10.1016/j.nutres.2011.08.003

Jiménez-Chillarón, J. C., Díaz, R., Martínez, D., Pentinat, T., Ramón-Krauel, M., Ribó, S., & Plösch, T. (2012). The role of nutrition on epigenetic modifications and their implications on health. In *Biochimie* (Vol. 94, Issue 11, pp. 2242–2263). https://doi.org/10.1016/j.biochi.2012.06.012

Jones, H. W. (2007). Comparison of levator ani muscle defects and function in women with and without pelvic organ prolapse: Commentary. *Obstetrical and Gynecological Survey*, *62*(6), 374–375. https://doi.org/10.1097/01.ogx.0000265902.89309.13

Kim, J. H., Kwak, H. B., Leeuwenburgh, C., & Lawler, J. M. (2008). Lifelong exercise and mild (8%) caloric restriction attenuate age-induced alterations in plantaris muscle morphology, oxidative stress and IGF-1 in the Fischer-344 rat. *Experimental Gerontology*, *43*(4), 317–329. https://doi.org/10.1016/j.exger.2007.12.012

Kvedaras, M., Minderis, P., Krusnauskas, R., & Ratkevicius, A. (2020). Effects of ten-week 30% caloric restriction on metabolic health and skeletal muscles of adult and old C57BL/6J mice. *Mechanisms of Ageing and Development*, *190*(July), 111320. https://doi.org/10.1016/j.mad.2020.111320

Kwon, E. J., & Kim, Y. J. (2017). What is fetal programming?: A lifetime health is under the control of in utero health. In *Obstetrics and Gynecology Science* (Vol. 60, Issue 6, pp. 506–519). Korean Society of Obstetrics and Gynecology. https://doi.org/10.5468/ogs.2017.60.6.506

UNIVERSITAS GADJAH MADA
Pengaruh Diet Rendah Protein Dan Diet Rendah Kalori Pada Mencit Dan Keturunannya Terhadap Gambaran Struktur Mikroanatomi Musculus Levator Ani
KHAIRINA HASHIFAH, Dr. dr. Shofwal Widad, Sp.O.G. Subsp. F.E.R.; dr. Agung Dewanto, Sp.O.G. Subsp. F.E.R., P
Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Leary, S., Pharmaceuticals, F., Ridge, H., Underwood, W., Anthony, R., Cartner, S., Grandin, T., Collins, F., Greenacre, C., Gwaltney-brant, S., Network, I., Mccrackin, M. A., Meyer, R., Miller, D., Shearer, J., State, I., Turner, T., Equine, T., Medicine, S., … Mader, D. (2020). *AVMA Guidelines for the Euthanasia of Animals : 2020 Edition **.

Lopes, T. de S., Quintana, H. T., Bortolin, J. A., Matos Alves, P. H., Bolina Matos, R. de S., Liberti, E. A., & Oliveira, F. de. (2017). Protein Malnutrition Pre- and Postnatal and Nutritional Rehabilitation Modulates the Morphology of Muscle Fibers in Wistar Rats. *Journal of Dietary Supplements*, *14*(3), 278–287. https://doi.org/10.1080/19390211.2016.1212960

Mallinson, J. E., Sculley, D. V., Craigon, J., Plant, R., Langley-Evans, S. C., & Brameld, J. M. (2007). Fetal exposure to a maternal low-protein diet during mid-gestation results in muscle-specific effects on fibre type composition in young rats. *British Journal of Nutrition*, *98*(2), 292–299. https://doi.org/10.1017/S0007114507701678

Marciniak, A., Patro-Małysza, J., Kimber-Trojnar, Ż., Marciniak, B., Oleszczuk, J., & Leszczyńska-Gorzelak, B. (2017). Fetal programming of the metabolic syndrome. In *Taiwanese Journal of Obstetrics and Gynecology* (Vol. 56, Issue 2, pp. 133–138). Elsevier Ltd. https://doi.org/10.1016/j.tjog.2017.01.001

Maria do Carmo, E., Midori Miyaoka, T., Denipoti da Silva, N., Regina de Camargo, M., Paula Rodrigues Rocha, A., Bizetti Pelai, E., Ibde Jaquiel Figueira, J., Elena Prado Teles Fregonesi, C., Takaiti Sato, J., Gameiro de Machado, R., & Machado de Souza, W. (2011). Histochemical and Morphological Characteristics of the Levator Ani Muscle in Rats Características Morfológicas e Histoquímicas del Músculo Elevador del Ano en Ratas. In *Int. J. Morphol* (Vol. 29, Issue 4).

Martin, D. E., Jones, A. K., Pillai, S. M., Hoffman, M. L., McFadden, K. K., Zinn, S. A., Govoni, K. E., & Reed, S. A. (2019). Maternal restricted- And overfeeding during gestation result in distinct lipid and amino acid metabolite profiles in the longissimus muscle of the offspring. *Frontiers in Physiology*, *10*(MAY), 1–13. https://doi.org/10.3389/fphys.2019.00515

McKiernan, S. H., Bua, E., McGorray, J., & Aiken, J. (2004). Early-onset calorie restriction conserves fiber number in aging rat skeletal muscle. *The FASEB Journal : Official Publication of the Federation of American Societies for Experimental Biology*, *18*(3), 580–581. https://doi.org/10.1096/fj.03-0667fje

Mutiarahmi, C. N., Hartady, T., & Lesmana, R. (2021). Use of Mice As Experimental Animals in Laboratories That Refer To the Principles of Animal Welfare: a Literature Review. *Indonesia Medicus Veterinus*, *10*(1), 134–145. https://doi.org/10.19087/imv.2020.10.1.134

Nugroho, R. A. (2018). *Mengenal Mencit Sebagai Hewan Laboratorium* (Agustus 20). Mulawarman University Press.

Pertille, A., Moura, K. F., Matsumura, C. Y., Ferretti, R., Ramos, D. M., Petrini, A. C., Oliveira, P. C., & Silva, C. A. (2017). Evaluation of skeletal muscle regeneration in experimental model after malnutrition. *Brazilian Journal of*