

Publication

2020

Yanza, Y.R., Szumacher-Strabel, M., Jayanegara, A., Kasenta, A.M., Gao, M., Huang, H., Patra, A.K., Warzych, E., Cieślak, A. 2020. The effects of dietary medium-chain fatty acids on ruminal methanogenesis and fermentation in vitro and in vivo: A meta-analysis. *Journal of Animal Physiology and Animal Nutrition* [[PDF](#)]

Hidayat, C., Sumiati, Jayanegara, A., Wina, E. 2020. Effect of zinc on the immune response and production performance of broilers: a meta-analysis. *Asian-Australasian Journal of Animal Sciences*, 33 (3), pp. 465-479. [[PDF](#)]

2019

Jayanegara, A., Sujarnoko, T.U.P., Ridla, M., Kondo, M., Kreuzer, M. 2019. Silage quality as influenced by concentration and type of tannins present in the material ensiled: A meta-analysis. *Journal of Animal Physiology and Animal Nutrition*, 103 (2), pp. 456-465. [[PDF](#)]

2018

Jayanegara, A., Sarwono, K.A., Kondo, M., Matsui, H., Ridla, M., Laconi, E.B., Nahrowi. 2018. Use of 3-nitrooxypropanol as feed additive for mitigating enteric methane emissions from ruminants: a meta-analysis. *Italian Journal of Animal Science*, 17 (3), pp. 650-656. [[PDF](#)]

2017

Schuba, J., Südekum, K.-H., Pfeffer, E., Jayanegara, A. 2017. Excretion of faecal, urinary urea and urinary non-urea nitrogen by four ruminant species as influenced by dietary nitrogen intake: A meta-analysis. *Livestock Science*, 198, pp. 82-88. [[PDF](#)]

Jayanegara, A., Ridla, M., Astuti, D.A., Wiryawan, K.G., Laconi, E.B., Nahrowi. 2017. Determination of energy and protein requirements of sheep in Indonesia using a meta-analytical approach. *Media Peternakan*, 40 (2), pp. 118-127. [[PDF](#)]

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2015

Jayanegara, A., Makkar, H.P.S., Becker, K. 2015. Addition of purified tannin sources and polyethylene glycol treatment on methane emission and rumen fermentation in vitro. *Media Peternakan*, 38 (1), pp. 57-63. [[PDF](#)]

2014

Riaz, M.Q., Südekum, K.-H., Clauss, M., Jayanegara, A. 2014. Voluntary feed intake and digestibility of four domestic ruminant species as influenced by dietary constituents: A meta-analysis. *Livestock Science*, 162 (1), pp. 76-85. [[PDF](#)]

Jayanegara, A., Wina, E., Takahashi, J. 2014. Meta-analysis on methane mitigating properties of saponin-rich sources in the Rumen: Influence of addition levels and plant sources. *Asian-Australasian Journal of Animal Sciences*, 27 (10), pp. 1426-1435. [[PDF](#)]

2013

Jayanegara, A., Ikhsan, I., Toharmat, T. 2013. Assessment of methane estimation from volatile fatty acid stoichiometry in the rumen in vitro. *Journal of the Indonesian Tropical Animal Agriculture*, 38 (2), pp. 103-108. [[PDF](#)]

2012

Palupi, E., Jayanegara, A., Ploeger, A., Kahl, J. 2012. Comparison of nutritional quality between conventional and organic dairy products: A meta-analysis. *Journal of the Science of Food and Agriculture*, 92 (14), pp. 2774-2781. [[PDF](#)]

Jayanegara, A., Leiber, F., Kreuzer, M. 2012. Meta-analysis of the relationship between dietary tannin level and methane formation in ruminants from in vivo and in vitro experiments. *Journal of Animal Physiology and Animal Nutrition*, 96 (3), pp. 365-375. [[PDF](#)]

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