DAFTAR PUSTAKA

Abdel-Salam, Z. A., A. M. Abdou, and M. A. Harith, 2006. Elementas and ultrastructural analysis of the eggshell: Ca, Mg and Na distribution during embryonic development via LIBS and SEM tecniques**.** . Int. J. Poult. Sci., 5(1): 35-42.

Abou-Emera-Emara, O. K., 2008. Use of Scanning Electron Microscopy techniques for predicting variations in eggshell quality of chickens. Master of Science Thesis, In Agricultural Science, Department of Poultry Production, Faculty of Agriculture, Ain Shams University. Egypt.

Ahmad, H. A., S. S. Yadalam, and D. A. Roland, Sr., 2003. Calcium requirements of Bovanes hens. Int. J. Poult. Sci. 2:417-420.

Amoah, J. K., E. A. Martin, A. J. Barroga, E. P. Garillo and I. Domingo, 2012. Calcium and phosphorus requirements of Japanese quail layers. J. Appl. Biosci. 54: 3892– 3900.

Anonim. 2011. Itik Metaram. Dinas Pertanian DIY. http://distan.pemda-diy.go.id/distan11/index.php?option=com_content&view=article&id=8017:itik-metaram&catid=62:produk-unggulan.

Ar, A. I. C. V. Paganelli, R. B. Reeves, D. G. Greene, and H. Rahn. 1974. The avian egg: Water vapor conductance, shell thickness, and functional pore area. The Condor 76:153-158.

Arias, J. L., M. Cataldo, M. S. Fernandez, J .J. Wu, and E. Kessi, 1997. Effect of beta-aminoproprionitrile on the eggshell mineralisation, Br. Poultry. Sci. 38: 351–356.

Astuti, M. 1980. Rancangan Percobaan dan Analisis Statistik. Fakultas Peternakan UGM

Badawe, M. I. 2006. Modeling of prediction of residual feed consumption in egg-type strains of chicken. Master of Science Thesis, In Agricultural Science, Department of Poultry Production, Faculty of Agriculture, Ain Shams University. Egypt.

Bain, M. M. (1992). Eggshell strength: A relationship between the mechanism of failure and ultrastructure organization of the mammillary layer. Br. Poult. Sci. 33: 303-319.

Bain, M. M. (2005). Recent advances in the assessment of eggshell quality and their future application. World's Poult. Sci. J., 61: 268-277.

Board, R. G. 1982. Properties of avian eggshells and their adaptive value, Biol. Rev. 57: 1–28.

Bölükbasi, S. C , S. Çelebi and N. Utlu. 2005. The effects of calcium and vitamin D3 in viet on plasma calcium and phosphorus, eggshell calcium and phosphorus levels of laying hens in late laying production period. Int. J. Poult. Sci. 4(8):600-603, 2005

Boorman, K. N. and S. P. Gunaratne, 2001. Dietary phosphorus supply, egg shel deposition and plasma inorganic phosphorus in laying hens. Br. Poult. Sci. 42:81-91.

Butcher, G. D., and R. Miles, 2009. Concepts of Eggshell Quality. Veterinary Medicine-Large Animal Clinical Sciences Department, Florida Cooperative Extension Service, University of Florida.

Castillo, C., M. Cuca, A. Pro, M. Gonzales, and E. Moralles. 2004. Biological and economic optimum level of calcium in White Leghorn laying hens. Poultry Sci., 83, 868-872.

Chien, Y. C., M. T. Hincke, H. Vali, M. D. McKee, 2008. Ultrastructural matrix–mineral relationships in avian eggshell, and effects of osteopontin on calcite growth in vitro. Journal of Structural Biology 163: 84–99.

Chowdhury S. R. and T. K. Smith. 2002. Dietary interaction of 1,4-Diaminobutane (putrescine and calcium on eggshell quality and performance in laying hens. Poultry Sci. 81:84-91.

Chowdhury, S. D. and R. H. Davis (1995). Influence of dietary osteolathyrogens on the ultrastructure of shell and membranes of eggs from laying hens. Br. Poult. Sci., 36: 575-583.

Clunies, M., D. Parks and S. Leeson. 1992. Calcium and phosphorus metabolism and egg shell formation of hens fed different amounts of calcium. Poultry Sci. 71:482-489

Coelho, M. B., 2001. Involvement of calcium and phosphorus in bone and shell quality of early maturing commercial layers. World Poultry, 17(6):16-19

Dennis, J. E., S .Q. Xiao, M. Agarval, D. J. Fink, A .H. Heuer, and A. I. Caplan, 1999.Microstructure of matrix and mineral components of eggshells from white leghorn chicken (Gallus gallus), J. Morphol. 228 : 287–306.

De-Vries, S., R. P. Kwakkel and J. Djikstra, 2010. Dynamics of calcium and phosphorus metabolism in laying hens pada Phosphorus and Calcium Utilization and Requirements in Farm Animal. CAB International.

El-Delbshany, A. E., S. A. El-Safty, M. Bahei El-Deen and M. M. Fathi (2007). Ultrastructural evaluation of eggshell in Japanese quail genetically selected for higher egg production. Proc. of 4th World's Poult. Conf., Sharm El-Sheikh, Egypt, P. 208-217.

El-Ghamy, A., M. El-Allawy, S. Hewida, A. Yassein, and G. M. El-Mallah. 2011. Evaluatiom of dieary calcium requirements in fayoumi laying hens. Iranian J. Appl. Anim. Sci. 1(2), 81-86.

El-Maksoud, A. 2010. Effect of dietary calcium and vitamin D3 levels on egg production and egg shell quality of Hy-Line Brown egg type laying hens. Egypt. Poult. Sci. 30:1097-1120.

El-Safty, S .A., M. M. Fathi, A. Z. El-Dein, and L. M. Ridwan, 2012. Ultrastructural measurements of the eggshell as a tool to detect the chicken breed effect on eggshell strength trait. Journal of Sebha University-(Pure and Applied Sciences), 11(1):15-24.

Etches, R. J., 1987. Calcium logistics in the laying hens. Journal of Nutrition 117, 619-628.

Fard, M. K., H. N. Moghadam, and A. A. Saki. 2010. Effect of different levels of calcium, phosphorus, and vitamin D on the calcium, phosphorus and magnesium of plasma, hatchability, and performance on the broiler breeder hens. Research Journal of Biological Science 5(2):223-227.

Fathi, M. M., A. Z. El-Dein, S.A. El-Safty and L. M. Radwan, 2007. Using Scanning Electron Microscopy to detect the ultrastructural variations in eggshell quality of Fayoumi and Dandarawi chicken breeds. . Int. J. Poult. Sci., 6(4): 236-241.

Fleming, R. H., (2008) Nutritional factors affecting poultry bone health. Proceeding of the Nutrition Society 67: 177-183.

Garrison, J. C. and A. R. Terepka, 1972. Calcium stimulated respiration and active calcium transport in the isolated chick chorioallantoic membrane. J. Memb. Biol. 7, 128-145.

Gary D., D. V. M. Butcher, and R. Miles. 2009. Concepts of Eggshell Quality. Veterinary Medicine-Large Animal Clinical Sciences Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. http://edis.ifas.ufl.edu.

Gautron, J., M. T. Hincke, and Y. Nys, 1997. Precursor matrix proteins in the uterine fluid change with stages of eggshell formation in hens, Connect. Tissue Res. 36:195–210.

Gružauskas R, V. Jarulė, A. Semaškaitė, A. Racevičiūtė-Stupelienė and V. Buckiūnienė 2011. Effect of dietary available calcium and phosphorus on the performance and egg quality of laying hens. Vet Med Zoot 56(78).

Hurwitz S. 1987. Effect of nutrition on egg quality. In: Egg Quality Current Problems and Recent Advances. R. G. Wells and C. G. Belyavin Eds. Butterworths, London, p. 1522-1527

Hurwitz, S., S Bornstein, and A Bar, 1969. The effect of calcium carbonate on feed intake and conversion in laying hens. Poultry Sci. 49: 1453-1456

Johnston, P and C. Comar. 1955. Distribution of calcium from the albumen, yolk and shell to the developing chick embryo. American Journal of Physiology 183:365-370.

Keshavarz , K. (1998) Investigation on the possibility of reducing protein, phosporus, and calcium requirements of laying hens by manipulation of time of access to these nutrients. Poultry Sci. 77 1320-1332

Keshavarz K. and R. E. Austic. 1990. Effect od dietary minerals on acid-base balance and eggshell quality in chickens. J. Nutr. 120:1360-1369.

Keshavarz K.; and S. Nakajima. 1993. Re-evaluation of calcium and phosphorus requirements of laying hens for optimum performance and eggshell Quality. Poultry Sci. 72(1):144-153.

Keshavarz, K., 1994. Laying kens respond differently to high dietary levels og phosphorus in monobasic and dibasic calcium phosphate. Poultry Sci., 73:687-703.

Leach, R. M. 1982. Biochemistry of the organic matrix of the eggshell, Poultry Sci. 61:2040–2047

Leeson, R. S. and C. R. Leeson, 1963. The chorioallantois of the chick. Light and electron microscope observations at various times of incubation. J. Anat. 97, 585-595.

Leeson, T and C. Leeson. 1963. The chorioallantoic of the chick. Light and electron microscopic observations at various times of incubation. J. Anat.; 97:585-595.

Lim, H. S., H. Namkung, and I. K. Paik. 2003. Effects of phytase supplementation on the performance, egg quality, and phosphorous excretion of laying hens fed different levels of dietary calcium and nonphytate phosphorous. Poultry Sci. 82:92–99

Lukić, M., Z. Pavlovski, and Z. Škrbić. 2009. Mineral Nutrition of Modern Poultry Genotypes. Biotechnology in Animal Husbandry 25 (5-6), p 399-409, 2009 ISSN 1450-9156. Publisher: Institute for Animal Husbandry, Belgrade-Zemun

Lukić, M., Z. Pavlovski, Z. Škrbić., N. Milosević, and L. Perić. 2008: The efect of housing system and hybrid type of layer hens on egg quality. 1st Mediterranean Summit of WPSA "Advances and Challenges in Poultry Science", May 2008, Porto Carras, Greece

Mann, K., B. Maček, and J. V. Olsen. 2006. Proteomic analysis of the acid-soluble organic matrix of the chicken calcified eggshell layer. Proteomic 6(13):3801–3810

Maynard, L, J Loosli, H. Hintz, R. Warner, and C. R. Zappa 1979; Animal Nutrition, 7th Ed. McGraw-Hill, New York

Miles, R. D., P. T. Costa, and R. H. Harms, 1983. The influence of dietary phosphorus level on laying hen performance, eggshell quality and various blood parameters. Poultry Sci. 62:1033-1037.

Monira, K. N., M. Salahuddin and G. Miah, 2003. Effect of breed and holding period on egg quality characteristics of chicken. . Int. J. Poult. Sci. 2(4): 261-263.

Moreki, J. C., H. J. Van-Der-Merwe, and J. P. Hayes. 2011. Effect of dietary calcium level on egg production and egg shell quality in broiler breeder hens from 36 to 60 weeks of age. Online J. Anim. Feed Res. 1(1):01-07.

Naber, E. C. 1979. The effect of nutrition on the composition of eggs. Poultry Sci. 58:518-528.

Narváez-Solarte, W., H. S. Rostagno, P. R. Soares, L. F. Uribe-Velasquez, and M. A. Silva. 2006. Nutritional Requirement of calcium in white laying hens from 46 to 62 wk of age. Int. J. Poult. Sci. 5(2):181-184.

Nie, W., Y. Yang, J. Yuan, Z. Wang and Y. Guo, 2013. Effect of dietary nonphytate phosphorus on laying performance and small intestinal epithelial phosphate transporter expression in Dwarf pink-shell laying hens. Journal of Animal Science and Biotechnology, 4:34-40.

Nys Y, J. Gautron, J. M. Garcia-Ruiz, and M. T. Hincke. 2004. Avian eggshell mineralization: biochemical and functional characterization of matrix proteins. C R Palevol 3:549562

Nys Y, J. Gautron, M. D. McKee, J. M. Garcia-Ruiz, and M. T. Hincke. 2001. Biochemical and functional characterisation of eggshell matrix proteins in hens. Worlds Poult. Sci. J 57:401413

Nys Y., J. Zawadszki, J. Gautron, and A. D. Mills. 1991. Whitening of brown-shelled eggs: mineral composition of uterine fluid and rate of protoporphyrin deposition. Poultry Sci. 70:12361245

Nys Y., and J. Gautron, 2007. Structure and Formation of the Egg shell. In: Bioactive Egg Compounds. Reiner Huopalahti, Rosina López-Fandino, Marc Anton, Rüdiger Schade. Springer – Verlag Berlin Heidelberg,

Nys, Y., J. Gautron, J. M. Garcia-Ruiz, and M. T. Hincke. 2004. Avian eggshell mineralization: biochemical and functional characterization of matrix proteins C. R. Palevol 3:549–562

Olgun, O., A. Ö. Yildiz, Y. Cufadar. 2013. Effects of limestone particle size and dietary available Phosphorus (AP) contents on performance, eggshell quality and mineral excretion in laying hens. Revue Méd. Vét., 164(10):464-470.

Panda, A. K., S. V. Rama-Rao, M. V. L. N. Raju and S. K. Bhanja, 2005. Effects of dietary non-phytate phosphorus levels on egg production, shell quality and nutrient retention in White Leghorn layers. Asian-Aust. J. Anim. Sci. 18(8):1171-1175.

Panhéleux, M, M. Bain, M. S. Fernandez, I. Morales, J. Gautron, and J. L. Arias, 1999. Organic matrix composition and ultrastructure of eggshell: a comparative study, Br. Poult. Sci. 40 (1999) 240–252.

Patmi, S., 2004. Estimasi korelasi genetik antara bobot badan, panjang shank dan ukuran paruh dengan produksi telur pada itik Turi. Skripsi. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta.

Pavlík, A., M. Lichovníková, and P. Jelínek, 2009. Blood plasma mineral profile and qualitative indicators of the eggshell in laying hens in different housing systems. Acta Vet. Brno, 78: 419-429

Pelicia, K., E. A. Garcia, A. B. G Faitarone, A. P. Silva, D. A. Berto, A. B. Molino, and F. Vercese 2009. Calcium and available phosphorus levels for laying hens in second production cycle. Bazilian Journal of Poultry Sci. 11(1):39-49

Pines, M., V. Knopov, and A. Bar. 1995. Involvement of osteopontin in egg shell formation in the laying chicken. Matrix Biol. 14, 765–771.

Pizzolante, C. C., E. S. P. B. Saldanha, C. Lagana, S. K. Kakimoto, and C. K. Togashi, 2009. Effect of calcium levels and limestone particle size on the egg quality of semi-heavy layers in their second production cicycle. Brazilian J. Poult. Sci. 11:79-86.

Rahn, H., C. Carey, K. Balmas, B. Bhatia, and C. Paganelli, 1977. Reduction of pore area of the avian eggshell as an adaptation to altitude. Proc. Natl. Acad. Sci. USA. 74(7):3095-3098.

Rayan, G. N., A. Galal, M. M. Fathi and A. H. El-Attar, 2010. Impact of layer breeder flock age and strain on mechanical and ultrastructural properties of eggshell in chicken. . Int. J. Poult. Sci. 9(2):139-147.

Richards, M. P., R. W. Rosebrough, and N. C. Steele. 1984. Hepatic zinc, copper and iron of turkey embryos (Meleagris gallopavo) maintained in longterm, shell-less culture. Comparative Biochemistry and Physiology; 78A:525-531

Roberts J. R., and C. E. Blaney. 2000. Egg shell ultrastructure and shell quality. Relation of ultrastructure to egg shell quality and strength. XXI World's Poultry Congress, Montreal, Canada, 20-24 August 2000

Roberts, J. R. and C. E. Brackpool, 1994. The ultrastructure of avian eggshell. Poultry. Sci. Rev., 5: 245-274.

Rodrigues, E. A., M. C. de-Oliveira, L. C. Cancherini, K. F. Duarte, L. F. Santana, and O. M. Junqueira. 2013. Calcium in pre-laying and laying rations on the performance and quality of laying hens eggshell. Acta Scientiarum Animal Sciences Maringá, 35(2):153-157.

Roland D. A. and M. Bryant, 2000. Nutrition and feeding for optimum egg shell quality. Proc XXI World's Poultry Conggress 2000, Montreal, Canada.

Roland, D. A., 1986. Eggshell quality. IV: Oyster shell versus limestone and the importance of particle size or solubility of calcium source. World's Poultry Sci. J. 42: 166-171.

Salama, A. A. and S. E. M. El-Sheikh, 2012. Effect of dietary protein and calcium level on productive performance of local laying hens under desert conditions. Egypt Poult. Sci. 32(1):75-93.

Sari, M., A. G. Önol, M. Daskiran, and Ö. Cengiz, 2012. Egg production and calcium-phosphorus utilization of laying hens fed diets supplemented with phytase alone or in combination with organic acid. Int. J. Poult. Sci.11(3): 81-189.

Sasongko,. H. 2007. Beternak Itik. PT Citra Aji Parama. Yogyakarta.

Saunders-Blades, J. L., J. L. Maclsaac, D. R. Korver, and D. M. Anderson, 2009. The effect of calcium source and particle size on the production performance and bone quality of laying hens. Poultry Sci. 88: 338-353.

Savage, J. E., 1968. Trace minerals and avian reproduction. Federation Proceedings; 27:927-931.

Scott, M. L. and W. F. Dean, 1991. Nutrition and Management of Ducks. M.L. Scott of Ithaca (Ithaca, NY)

Scott, T. A. and F. G. Silversides. 2000.The effect of storage and strain of Hen on egg quality. Poultry Sci. 79:1725–1729.

Shivazad, M., A. B. Carlos, H. M. Edwards, JR. and M. Zaghari. 2005. Various levels of calcium and phosphorus diets in response to 1, 25 – dihydroxycholecalciferol in laying hens. J. Agric. Sci. Technol. 7: 89-94

Silversides, F. G. and T. A. Scott. 2001. Effect of storage and layer age on quality of eggs from two lines of hens. Poultry Sci. 80:1240–1245.

Simons, P. C. M. (1971). Ultrastructure of the hens' eggshell and its physiological interpretation. Ph.D. Thesis, Spelderholt, Beekbergen, Netherlands.

SNI Indonesia, 2006. Standar Nasional Indonesia Pakan Itik Petelur. SNI 01-3910-2006

Sohail S. S. and D. A. Roland, Sr. 2002. Influence of dietary phosphorus on performance of Hy-Line W36 hens. Poultry Sci. 81:75–83.

Solomon, S. E., 1991. Egg and Eggshell Quality, Wolf Publishing Ltd., London

Sultana, F, M. S. Islam and M. A. R. Howlider. 2007. Effect of Dietary Calcium Sources and Levels on Egg Production and Egg Shell Quality of Japanese Quail. Poultry Sci. 6(2):131-136

Tischler, A. , J. Tosseberger, and V. Halas, 2013. Effect of two dietary phosphorus levels on the performance of laying hens and eggshell quality over the common laying period. Agriculturae Conspectus Scientificus. 78(3):241-244.

Tri-Yuwanta, Zuprizal, A. Musofie, dan N. K. Wardhani. 2000. Studi Potensi Genetik, Produksi dan Reproduksi Serta Bahan Pakan Lokal Pada Itik Turi Sebagai Itik Petelur. Penelitian kerjasama antara Lembaga Penelitian UGM dan IP2TP Yogyakarta.

Tuan, R. S. and W. A. Scott,1977. Calcium-binding protein of chorioallantoic membrane:Identification and developmental expression. Proc. Natl. Acad. Sci. USA. 74(5):1946-1949.

Van-Toledo, B., A. H. Parsons and G. F. Combs, 1982. Role of ultrastructure in determining egg shell strength. Poultry Sci., 61: 569-572.

Vieira, S. L. 2009. Chicken Embryo Utilization of Egg Micronutrients. Brazilian J. of Poult. Sci. 9(1): 01 - 08

Wahyudyaningsih, I., 2004. Estimasi korelasi genetik antara bobot badan, panjang shank dan ukuran paruh dengan umur dewasa kelamin pada itik Turi betina. Skripsi. Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta.

Wang, X., B. C. Ford, C. A. Praul, and R. M. Leach, 2002. Collagen X expression in oviduct tissue during the different stages of the egg laying cycle. Poultry Sci. 81:805–808

Washburn, K. W. (1990). Genetic variation in egg composition. Poultry Breeding and Genetics, Edited by R. D. Crawford, Elsevier Science Pub., B. V. Amsterdam, Netherlands. P.781-804,

Whitehead, C. C. and R. H. Fleming, 2000. Osteoporosis in cage layes. Poultry Sci. 79: 1033-1041.

Yair, R. and Z. Uni, 2011. Content and uptake of minerals in the yolk of broiler embryos during incubation and effect of nutrient enrichment. Poultry Sci. 90 :1523‑1531

Zhang, B. and C. N. Coon 1996. The relationship of calcium intake, source, size, solubility In Vitro and In Vivo, and gizzard retention in laying hens. Poultry Sci. 76:1702-1706

Ziaei, N., M. Shivazad, S. A. Mirhadi, and A. Gerami. 2009. Effect of reduced calcium and phosphorus diets supplemented with phytase on laying performance of hens. Pakistan Journal of Biological Sciences 12(10):792-797.