

## DAFTAR PUSTAKA

- Achmanu, Muharlién, dan Salaby. 2011. Pengaruh lantai kandang (rapat dan renggang) dan imbalan jantan-betina terhadap konsumsi pakan, bobot telur, konversi pakan dan tebal kerabang pada burung puyuh. *Ternak Tropika*. 12:1-14.
- Akbarillah T., Kususiya., dan Hidayat. 2010. Pengaruh penggunaan daun indigofera segar sebagai suplemen pakan terhadap produksi dan warna yolkitik. *Jurnal Sains Peternakan Indonesia*. 5(1):27-33
- Alkhalf A., M. Alhaj., and I. Al-homidan. 2010. Influence of probiotic supplementation on blood parameter and growth performans in broiler chickens. *Saudi Journal of Biological Science*. 17:219-225
- Amer M.Y., and Khan S.H.2012. A comparison between the effects of a probiotic and an antibiotic on the performance of Desi chickens. *Veterinary World*, 5(3): 160–165.
- Anca,T.,Vacaru-Opris,I., and V.Teusan. 2008. Aspects regarding some morphological values of the domestic quail eggs (*Coturnix-coturnix japonica*). *Zootehnie si Biotehnologii*.41(2): 709-716
- Arslan C., and M. Saatci. 2004. Effects of probiotic administration either as feed additive or by drinking water on performance and blood parameters of Japanese quail. *Arch. Geflu`gelk*. 68 (4):160 – 163
- Asli, M.M., Hosseini, S.A., Lotfollahian, H. and Shariatmadari, F., 2007. Effect of probiotics, yeast, vitamin E and vitamin C supplements on performance and immune response of laying hen during high environmental temperature. *International Journal of Poultry Science*, 6(12):895-900.
- Astuti, Z.Bachruddin., Supadmo., dan E. Harmayani. 2009. Pengaruh pemberian bakteri asam laktat *Streptococcus thermophilus* terhadap kadar kolesterol darah ayam broiler strain Lohman. *Prosiding Seminar Nasional Penelitian, Pendidikan, dan Penerapan MIPA UNY*.
- Aviati V., S.M. Mardiaty, and T.R. Saraswati. 2014. Kadar kolesterol telur puyuh setelah pemberian kunyit dalam pakan. *Buletin Anatomi dan Fisiologi*.22(1):58-64
- Ayasan T., S. Yurtseven., M. Baylan., and S. Canogullari. 2005. The effect of dietary *Yucca schidigera* on egg yield parameters and egg shell quality of

- laying Japanese quail (*Coturnix-coturnix japonica*). *Int.J.Poult.Sci.* 5: 159-162.
- Ayasan T., B.D. Ozcan<sup>1</sup>, M. Baylan., and S. Canogullari. 2006. The effect of dietary inclusion of probiotic protexin on egg yield parameters and egg shell quality of laying Japanese quail (*Coturnix-coturnix japonica*). *Int.J.Poult.Sci.* 5: 776-779.
- Babazadeh D, Vahdatpour T, Nikpiran H, Jafargholipour MA and Vahdatpour S (2011). Effects of probiotic, prebiotic and synbiotic intake on blood enzymes and performance of Japanese quails (*Coturnix japonica*). *Indian Journal of Animal Sciences*, 81(8): 870–874.
- Badan Standarisasi Nasional (BSN). 2008. *Telur Ayam Konsumsi*. Jakarta
- Badan Standardisasi Nasional (BSN). 2011. *Standar Nasional Indonesia (Indonesian National Standardization)-SNI 6390:2011 Konservasi Energi Sistem Tata Udara Bangunan Gedung*; BSN: Jakarta, Indonesia
- Barkay, T., Miller, S.M. and Summers, A.O. 2003. Bacterial Mercury Resistance from Atoms to Ecosystems. *FEMS Microbiological Reviews*. 27:355-384
- Barmacioglu H, and M.Ergul. 2006. Research on the factor affecting cholesterol content and some other characteristic of egg in laying hens: the effect of genotype and rearing system. *Turk.J.Vet.Anim.Sci.* 29:157-164
- Bijanti R., R.S. Wahjuni, dan M.G.A. Yuliani. 2009. Suplementasi probiotik pada pakan ayam komersial terhadap produk metabolik dalam darah ayam. *J.Penelit. Med.Eksakta*. 8(3):178-184
- Bragagnolo N., Rodriguez-Amaya D.B. 2003. Comparison of the cholesterol content of Brazilian chicken and quail eggs. *J. Food Comp. Anal.* 16: 147-153.
- Chen YC, Nakthon GC, and Chen TC. 2005. Improvement of laying hen performance by dietary prebiotic chicory oligofructose and inulin. *International Journal of Poultry Science* 4:103-108.
- Chilowski M., J.Croom., B.W. McBride., O.B. Havenstein., and M.D. Koci. 2007. Metabolic and physiological impact of probiotic or direct feed microbial on poultry. A brief review of current knowledge. *Int.J.Poult.Sci.* 7:862-871
- Daneshyar M, Kermanshahi H and Golian A (2009). Changes of biochemical parameters and enzyme activities in broiler chickens with cold-induced ascites. *Poultry Science*, 88(1): 106–110.
- Dersjant-Li, Y., Awati, A., Schulze, H. and Partridge, G., 2015. Phytase in non-ruminant animal nutrition: a critical review on phytase activities in the

gastrointestinal tract and influencing factors. *Journal of the Science of Food and Agriculture*, 95(5), pp.878-896.

- Devarasetti, A.K., E.S.A.Kumar., K.V.Ramana., and L.Ramsingh.2016. Supplementation of dietary yeast on body performance in Japanese quails. *International Journal of Veterinary Sciences and Animal Husbandry*. 1(3): 12-14
- Dobson, A., Cotter, P.D., Ross, R.P. and Hill, C., 2012. Bacteriocin production: a probiotic trait?. *Applied and environmental microbiology*, 78(1), pp.1-6
- Duc, L.H., Hong, H.A., Barbosa, T.M., Henriques, A.O. and Cutting, S.M., 2004. Characterization of *Bacillus* probiotics available for human use. *Applied and environmental microbiology*, 70(4), pp.2161-2171
- Edens, F.W., Parkhurst, C.R., Casas, I.A., Dobrogosz, W.J., 1997. Principles of ex vivo competitive exclusion and in vivo administration of *Lactobacillus reuteri*. *Poultry Science* 76, 179–196.
- Elkin, R.G. 2006. Reducing shell egg cholesterol content: Overview, genetic approaches, and nutritional strategies. *World Poultry Science*. 62:665-687
- Ensminger, M. A. 1992. *Poultry Science (Animal Agricultural Series)*. 3th Edition. Instate Publisher, Inc. Danville, Illiones.
- Forte C, L., Moscati. G. Acuti., C. Mugnai., M.P. Franciosini., S. Costarelli., G., Cobellis., and M. Trabalza-Marinucci. 2015. Effects of dietary *Lactobacillus acidophilus* and *Bacillus subtilis* on laying performance, egg quality, blood biochemistry and immune response of organic laying hens. *J. Anim. Phy. Anim. Nut.* pp. 1-11
- Fukushima, M., Nakano, M., 1995. The effect of probiotic on faecal and liver lipid classes in rats. *British Journal of Nutrition* 73, 701– 710.
- Genchev, A. 2012. Quality and composition of Japanese quail eggs (*Coturnix japonica*). *Trakia Journal of Science*. 10(2):91-101
- Gerber, Natalie. 2006. Factor affecting egg quality in the commercial laying hen: A Review. Egg Producers Federation Ong New Zealand Inc/Poultry Industry Association of New Zealand. Pp.1-27
- Guclu, B.K. 2011. Effects of probiotic and prebiotic (mannanoligosaccharide) supplementation on performance, egg quality and hatchability in quail breeders. *Ankara Üniv Vet Fak Derg*, 58: 27-32
- Gunawan, Richard. 2011. Produksi telur inokulum *Azotobacter*, *Azospirillum*, dan bakteri pelarut fosfat dengan menggunakan media alternatif. *Skripsi*. Institut Pertanian Bogor.

- Gunawardana P., D.A. Roland Sr., and M.M.Bryant.2008. Effect of energy and protein on performance, egg components, egg solids, egg quality, and profits in molted Hy-Line W-36 hens. *J. Appl. Poult. Res.* 17:432–439
- Haddadin MS, Abdulrahim SM, Hashlamoun EA, Robinson RK. 1996. The effect of *Lactobacillus acidophilus* on the production and chemical composition of hen's eggs. *Poultry Science*. 75:491-494.
- Hajati H., Hassanabadi A., and Teimouri Yansari A. 2014. The effect of dietary supplementation of prebiotic and probiotic on performance, humoral immunity responses and egg hatchability in broiler breeders. *Poult. Sci. J.* 2 (1): 1-13.
- Hardiningsih R., dan N. Nurhidayat. 2006. Pengaruh pemberian pakan hiperkolesterolemia terhadap bobot badan tikus putih wistar yang diberi bakteri asam laktat. *Biodiversitas*. 7 (2) :127-130
- Hargis,P.S. 1988. Modifying egg yolk cholesterol in the domestik fowl-a review. *World Poultry Science Journal*. 44:17-29
- Haryati, T. 2011. Probiotik dan prebiotik sebagai pakan imbuhan nonruminansia. *Wartazoa*. 21(3): 125-132.
- Hasani, A., Kariminik, A. and Issazadeh, K., 2014. Streptomycetes: characteristics and their antimicrobial activities. *International Journal of Advanced Biological and Biomedical Research*, 2(1), pp.63-75.
- Hassenein, S.M. and N.K. Soliman. 2010. Effect of probiotic (*Saccharomyces cerevisiae*) adding to diets on intestinal microflora and performance of Hy-Line layer hens. *Journal of American Sciences*. 6(11):159-169
- Hosseinkhani, B. and Hosseinkhani, G., 2009. Analysis of phytase producing bacteria (*Pseudomonas* sp.) from poultry faeces and optimization of this enzyme production. *African Journal of Biotechnology*, 8(17).
- Hussein A.S., A.H. Cantor., A.J.Pescatore.,and T.H. Jhonson. 1996. Effect of dietary protein and energy level on pullet development. *Poultry Science* 75:973-978
- Ismawati, Bening.2011. Bobot, komposisi fisik, dan kualitas interior telur puyuh (*Coturnix-coturnix japonica*) yang diberi suplemen omega-3. *Skripsi*. Bogor. Institut Pertanian Bogor.
- ITIS.2016. <http://www.itis.gov/> diakses tanggal 22 Februari 2016
- Jin L.Z., Y.W. Ho, N. Abdullah and S. Jalaludin. 1997. Probiotic in poultry: modes of action. *World's Poultry Science Journal*. 53: 351-368

- Kabir S.M.L., M.M Rahman., M.B Rahman., and S.U. Ahmed .2004. The dynamic of probiotic growth performance and immune response in broiler. *Int.J.Poul.Sci.*3(5):301-304.
- Kaharuddin D, dan Kususiyah. 2006. Performa sifat kualitatif dan kuantitatif puyuh asal Yogyakarta, Padang, dan Bengkulu. *Jurnal Sain Peternakan Indonesia.* 1(1); 21-25
- Kalsum U, Soetanto H, Achmanu and Sjoefjan O 2012: Effect of probiotic containing *Lactobacillus salivarius* on the laying performance and egg quality of Japanese quails. *Livestock Research for Rural Development.* Volume 24
- Kartadisastra, H.R. 1997. Penyediaan dan Pengelolaan Pakan Ternak Ruminansia. Kanisius. Yogyakarta
- Kazmierska, M., B. Jarosz., M. Korzeniowska., T. Trziska., and Z. Dobrzanski. 2007. Effect of fodder enrichment with PUFAs on quail eggs. *Pol. J. Food Nutr. Sci.* 57(4(B)): 281- 284.
- Kaźmierska M., Jarosz B., Korzeniowska M., Trziszka T., Dobrzański Z. 2005. Comparative analysis of fatty acid profile and cholesterol content of egg yolks of different bird species. *Pol. J. Food Nutr. Sci.* 14/55, SI 1, 69-73.
- Kahn, C. M., S. Line, D. G. Allen, D. P. Anderson, L. B. Jeffcoat, K. E. Quesenberry, O. M. Radostits, P. T. Reeves, and A. M. Wolf. 2005. Pages 2094–2095 in *The Merck Veterinary Manual*. 9th ed. Merck & Co., Inc., Whitehouse Station, NJ
- Khan, S.H., M. Atif, N. Mukhtar, A. Rehman, and G. Fareed. 2011. Effects of supplementation of multi-enzyme and multi-species probiotic on production performance, egg quality, cholesterol level and immune system in laying hens. *Journal of Applied Animal Research.* 39(4): 386-398
- Klingmuller, W. 2012. *Azospirillum IV: Genetic, Physiology and Ecology*. Springer Verlag. Berlin. P. 106
- Kompiang, I.P. 1999. Pengaruh suplementasi kultur *Bacillus* spp. melalui pakan atau air minum terhadap kinerja ayam petelur. *Jurnal Ilmu Peternakan dan Veteriner.* 5(4):205-209
- Kompiang, I P. 2009. Pemanfaatan mikroorganisme sebagai probiotik untuk meningkatkan produksi ternak unggas di Indonesia. *Pengembangan Inovasi Pertanian* 2(3): 177–191
- Kurtzman, C., Fell, J.W. and Boekhout, T. eds., 2011. *The yeasts: a taxonomic study*. Elsevier

- Kusuma, A.K. 2005. Analisis pendapatan dan efisiensi penggunaan faktor-faktor produksi peternak probiotik dan nonprobiotik pada usaha ternak ayam ras pedaging. *Skripsi*. IPB. Bogor.
- Krieg, Noel. 1984. *Bergey's Manual of Systematic Bacteriology*, Volume 1. Baltimore: Williams & Wilkins
- Li W.F., I.R. Rajput., X.Xu., Y.L. Li., J. Lei., Q. Huang., and M.Q. Wang. 2011. Effects of probiotic (*Bacillus subtilis*) on laying performance, blood biochemical properties and intestinal microflora of Shaoxing Duck. *Int.J.Poul.Sci.* 10(8):583-589
- Listiyowati, E. dan K. Roospitasari. 2004. Puyuh: Tata Laksana Budi Daya Secara Komersial. Penebar Swadaya, Jakarta
- Ma, Hoangbo. 2006. Cholesterol and human health. *The J.Amer.Scie.* 2(1):46-50
- Mahdavi, A.H., H.R. Rahman, and J. Poureza. 2005. Effect of probiotic supplements on egg quality and laying hens performance. *International Journal of Poultry Science*. 4(7): 488-492
- Mansoub N.V. 2010. Effect of probiotic bacteria utilization on serum cholesterol and triglycerides contents and performance of broiler Dickens. *Global Veterinaria*, 5 (3): 184-186,
- Marsudi dan C. Saporinto. 2012. *Puyuh*. Depok. Penebar Swadaya
- Mátéová, S., Gaálová, M., Šály, J. and Fialkovičová, M., 2009. Investigation of the effect of probiotics and potentiated probiotics on productivity of laying hens. *Czech J. Anim. Sci*, 54, pp.24-30
- Miles, R.D., A.S. Arofa, R.H. Harms, C.W. Carlson, B.L. Reid and J.S. Crawford, 1981. Effects of a living non freeze-dried *lactobacillus acidophilus* culture on performance, egg quality, and gut microflora in commercial layers. *Poult. Sci.*, 60: 993-1004.
- Miles, R.D., Butcher, G.D., Henry, P.R. and Littell, R.C., 2006. Effect of antibiotic growth promoters on broiler performance, intestinal growth parameters, and quantitative morphology. *Poultry Science*, 85(3), pp.476-485.
- Mohan B., R. Kadirvel, M. Bhaskaran and A. Natarajan. 1995. Effect of probiotic supplementation on serum/yolk cholesterol and on egg shell thickness in layers, *British Poultry Science*, 36:5, 799-803
- Naber E.C. 1976. The cholesterol problem, the eggs, and lipid metabolism in the laying hen. *Poul.Sci.* 55: 14-30, 1976



- Nahashon SN, Nakaue HS and Mirosh LW .1996. Performance of Single Comb White Leghorn fed a diet supplemented with a live microbial during the growth and egg laying phases. *Animal Feed Science and Technology*, 57(1-2): 25–38.
- Nakagawa, Y and K. Yamasato. 1993. Phylogenetic diversity of the genus *Cytophaga* revealed by 16s rRNA sequencing and menaquinone analysis. *Journal of General Microbiology* .139:1155-1 161
- Nes,W.David. 2011. Biosynthesis of cholesterol and other sterols: Chemical review. *Chem. Rev.* 111: 6423–6451
- Ng, S.C.; Hart, A.L.; Kamm, M.A.; Stagg, A.J. & Knight, S.C. 2009. Mechanisms of action of probiotics: recent advances. *Inflammatory Bowel Diseases*, 15(2):300-310
- Nikolova, M., Penkov, D. 2010. Influence of Tribulus Terestis extract supplementation on laying productivity and quality eggs in Japanese quails. *JCEA*, 11(4):373-380
- Nikipiran H, VahdatpourT, Babazadeh D and Vahdatpour S 2013. Effects of *Saccharomyces Cerevisiae*, *Thepax* and Their Combination on Blood Enzymes and Performance of Japanese Quails (*Coturnix Japonica*).*Journal of Animal and Plant Sciences*, 23(2): 369–375.
- North, M, O and Bell, D, D. 1990. Commercial Chicken Production Manual. 4th Ed. Van Nostrand Reinhold. New York.
- North,M.O and Bell D.D. 1992. *Commercial chicken production manual. 4th ed. An AVI Book* Published by Van Nostrand Reinhold. New York
- Nowaczewski S., Kontecka H., Elminoska-Wenda G., Rośinski A., Bednarczyk M., Kucharska A. 2010. Egg quality traits of Japanese quail divergently selected for yolk cholesterol level. *Archiv Geflügelkd.* 74: 141-144.
- Nugraha B.A., K. Widayaka., dan N. Iriyanti. 2013. Penggunaan berbagai jenis probiotik dalam ransum terhadap *Haugh Unit* dan volume telur ayam Arab. *Jurnal Ilmiah Peternakan.* 1(2): 606-612
- Nugroho E, dan Mayun IGK. 1991. *Beternak puyuh*. Semarang. Eka Off Set.
- Önol, A.G., Sari, M., Oguz, F.K., Gulcan, B. and Erbas, G., 2004. The effects of dietary probiotic supplementation on some productivity and blood parameters of laying quails raised under constant heat stress. *Turkish Journal of Veterinary and Animal Sciences*, 27(6), pp.1397-1402.

- Ooi, L.G. and M.T. Liong. 2010. Cholesterol-lowering effects of probiotics and prebiotics: A Review of *in vivo* and *in vitro* finding. *Int. J. Mol. Sci.* 11: 2499-2522
- Otutumi, L.K., M.B. Gois., E.R.de M. Garcia., and M.M. Loddi. 2012. Variations on the efficacy of probiotic in poultry Chapter 9. *InTech*. 203-230
- Pal, A., L. Ray and P. Chattopadhyay. 2006. Purification and immobilization of an *Aspergillus terreus* xylanase: Use of continuous fluidized column reactor. *Ind. J. Biotechnol.* 5: 163 – 168.
- Pambuka S.R., O. Sjoefjan., and L.E. Radiati. 2014. Effect of liquid probiotics mixed culture supplements through drinking water on laying hens performance and yolk cholesterol. *J. World's Poult. Res.* 4(1):5-9
- Panda A.K., M.R. Reddy, S.V. Rama Rao, and N.K. Praharaj. 2003. Production performance, serum/yolk cholesterol, and immune competence of white leghorn layers as influenced by dietary supplementation with probiotic. *Tropical Animal Health and Production.* 35: 85-94
- Parlat, S. S., M.O' zcan, and H. Og'uz. 2001. Biological suppression of aflatoxicosis in Japanese quail (*Coturnix coturnix Japonica*) by dietary addition of yeast (*Saccharomyces cerevisiae*). *Res. Vet. Sci.* 71:207–211.
- Putri, V. Al-Wiry. 2009. Pemberian probiotik starbio pada ransum burung puyuh (*Coturnix-coturnix japonica*) periode pertumbuhan. *Skripsi*. Universitas Sumatera Utara. Medan.
- Rahmat, D., dan R. Wiradimadja. 2011. Pendugaan kadar kolesterol daging dan telur berdasarkan kadar kolesterol darah pada puyuh Jepang. *Jurnal Ilmu Peternakan.* 11(1):35-38
- Rajkowska, K.A.T.A.R.Z.Y.N.A. and Kunicka-Styczynska, A., 2010. Probiotic properties of yeasts isolated from chicken feces and kefir. *Polish Journal of Microbiology*, 59(4), pp.257-263.
- Romanoff, AL and Romanoff, AJ .1963. *The Avian Egg*, John Wiley and Sons, New York.
- Sakinah A.L., dan E. Zulaika. 2014. Resistensi *Azotobacter* terhadap HgCl<sub>2</sub> yang berpotensi menghasilkan enzim merkuri reduktase. *Jurnal Sains dan Seni POMITS.* 3(2):E84-E86.
- Sakti, D.K. 2007. Pengaruh Tingkat Penambahan Tepung Kunyit (*Curcuma domestica val.*) Dan Tepung Daun Pepaya (*Carica papaya L*) Dalam Ransum Terhadap Gambaran Darah Ayam Broiler Yang Mengalami Cekaman Panas. *Skripsi*. Fakultas Peternakan. Institut Pertanian Bogor.



- Sastroamidjojo, S. 1979. *Ilmu Beternak Ayam. Seri Indonesia Membangun*. Penerbit N. V. Masa Baru. Bandung.
- Sathya C., and Murugaian P. 2015. Effect of dietary supplementation of probiotic and *Curculigo orchoides* rhizome powder on egg quality parameters and biochemical composition of Japanese quail (*Coturnix coturnix japonica*). 4(1): 162-170
- Scott L.E., M.C. Nesheim., and R.J. Young. 1976. *Nutrition of the Chicken*. M.L. Scott and Associates Publisher. Ithaca. New York.
- Setiawan D. 2006. Performa produksi burung puyuh (*Coturnix coturnix japonica*) pada perbandingan jantan dan betina yang berbeda. *Skripsi*. Bogor. Institut Pertanian Bogor
- Sezer, Metin. 2006. Heritability of exterior egg quality traits in Japanese Quail. *Journal of Applied Biological Sciences*. 1 (2): 37-40
- Sellars R.I. 1991. *Acidophilus products. In: Therapeutic Properties of Fermented Milks*. ROBINSON (Ed.). Chapman & Hall. London, New York, Tokyo, Melbourne, Madras
- Shalaei., M., S. M. Hosseini., and E. Zergeni. 2014. Effect of different supplements on eggshell quality, some characteristics of gastrointestinal tract and performance of laying hens. *Vet. Research Forum*. 5(4):277-286
- Shareef A.M. 2009. Effect of probiotic (*Saccharomyces cerevisiae*) on performance of broiler chicks. *Iraqi Journal of Veterinary Sciences*, 23: 23–29
- Shiau, R.J., H.C. Hung., And C.L. Jeang. 2003. Improving the thermostability of raw-starch-digesting amylase from a *Cytophaga* sp. by site-directed mutagenesis. *Applied and Environmental Microbiology*. 69 (4):2383-2385
- Sies, H and W. Stahl. 1995. Vitamin E and C,  $\beta$ -caroten, and other carotenoid as antioxidant. *Am. J. Clin. Nutr.* 62:1315-1321S
- Sing, H., and Nordskog A W. 1982. Significance of body weight as a performance parameter. *Poultry Science* 61: 1933–38.
- Siriken, B. Bayram, I. and Önel, A.G. 2003. Effects of probiotics: alone and in a mixture of Biosacc plus Zinc Bacitracin on the caecal microflora of Japanese quail. *Research in Veterinary Science*, 75(1):9-14.
- Song K.T., S.H. Chol., and H.R. Oh. 2000. A comparison of egg quality of pheasant, chukar, quail, and guinea fowl. *Asian-Aus J. Anim.* 13(7):986-990
- Stadelman, W. J. & O. J. Cotterill. 1995. *Eggs Science and Technology*. 4th Ed. The Avy Publishing, Inc., Westport, Connecticut.

- Steenhoudt, O and J. Vanderleyden. 2000. *Azospirillum*, a free-living nitrogen-fixing bacterium closely associated with grasses: genetic, biochemical and ecological aspects. *FEMS Microbiology Reviews*, 24: 487–506
- Sudarmaji, Mukono, J. dan I.P, Corie. 2006. Toksikologi Logam Berat B3 dan Dampaknya Terhadap Kesehatan. Bagian Kesehatan Lingkungan FKM. *Jurnal Kesehatan Lingkungan*.2(2) : 129-142
- Sudrajat D, Kardaya D, Dihansih E, Puteri SFS. 2014. Performa Produksi Telur Burung Puyuh yang Diberi Ransum Mengandung Kromium Organik. *JITV*.19(4):257-262
- Suharno dan Nazaruddin.1994. *Ternak Komersil*. Penebar Swadaya. Jakarta
- Sumarni dan Nan Djuarnani.1995. Diktat Penanganan Pasca Panen Unggas. Departemen Pertanian. Balai Latihan Pertanian, ternak, Ciawi Bogor
- Suprijatna E. 2005. *Ilmu dasar ternak unggas*. Jakarta (Indones): Penebar Swadaya.
- Surung M.Y.,2008. Pengaruh dosis EM-4 dalam air minum terhadap berat dan badan ayam buras. *Jurnal Agrisistem*. 4(2):109-113
- Susilowati, A. and Listyawati, S., 2001. Keanekaragaman Jenis Mikroorganisme Sumber Kontaminasi Kultur In vitro di Sub-Lab. Biologi Laboratorium MIPA Pusat UNS. *Biodiversitas*. 2(1): 110-114
- Swain, B.K., Naik, P.K., Chakurkar, E.B. and Singh, N.P. 2011. Effect of probiotic and yeast supplementation on performance, egg quality characteristics and economics of production in Vanaraja layers. *Indian Journal of Poultry Science*. 46(3): 313-315.
- Talukder S., T.Islam., S. Sarker., and M.M. Islam. 2010. Effects of environment on layer performance. *J. Bangladesh Agril. Univ*. 8(2): 253–258
- Teshfam M., T. Vahdatpour., K. Nazeradl., and N. Ahmadiasl.2011. Effect of feed additives on growth-related hormon and performance of Japanese quail. *J.Anim.Vet.Adv*.10(7):821-827
- Thayer RH, Burkitt RF, Morrison RD, Murray EE. 1978. Efficiency of utilization of dietary phosphorus by cage turkey breeder hens fed ration supplemented with live yeast culture. Stillwater, OK: Oklahoma State University. *Animal Science Research Report*, MP-103
- Tiwari, K.S. and B. Panda. 1978. Production and quality characteristics of quail eggs.*Indian Journal of Poultry Sci*. 13 (1): 27-32.

- Tolik D., E. Polawska, A. Charuta, S. Nowaczski, and R. Cooper. 2014. Characteristic of egg partus, chemical composition, and nutritive value of Japanese quail eggs: Review. *Folia Biologica* (Krakow). 62(4):287-292
- Torshizi K., A.R. Moghaddam, Sh. Rahimi and N. Mojgani. 2010. Assessing the effect of administering probiotics in water or as a feed supplement on broiler performance and immune response, *British Poultry Science*, 51:2, 178-184
- Triyanto. 2007. Performa produksi burung puyuh (*Coturnix-coturnix japonica*) periode produksi umur 6-13 minggu pada lama pencahayaan yang berbeda. *Skripsi*. Bogor. Institut Pertanian Bogor
- Tumbilung W., I. Lambey, E. Pudjihastuti, and E. Tangkere. 2014. Sexing berdasarkan morfologi burung puyuh (*Coturnix-coturnix japonica*). *J. Zoetek.* 34(2):170-184
- Tunsaringkarn, T., W. Tungjaroenchai, W. Siri Wong. 2013. Nutritive benefit of quail (*Coturnix-coturnix japonica*) egg. *Int. Jou. Sci. Res. Pub.* 3(5): 1-8
- Turnbull PCB. 1996. *Bacillus*. In: Baron S, editor. *Medical Microbiology*. 4th edition. Galveston (TX): University of Texas Medical Branch at Galveston;. Chapter 15. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK7699/>
- United States Department of Agriculture (USDA). 2000. *Egg grading manual*. Agricultural Handbook. No. 75. Washington DC.
- Upadhyay S., N. K., V.K. Singh, and A. Singh. 2015. Isolation, characterization and morphological study of *Azotobacter* isolates. *Journal of Applied and Natural Science* 7 (2) : 984– 990
- Vali N., G. Samani, and A. Doosti. 2013. Effect of probiotic on the laying performance of Japanese quail (*Coturnix japonica*). *Res. Opin. Anim. Vet. Sci.*, 3(7): 218-220
- Wahju, J. 1982. *Ilmu Nutrisi Unggas*. UGM Press. Yogyakarta.
- Weaver W.D. Jr., and Meijerhorst R. 1991. The effect of different levels of relative humidity and air movement on litter condition, ammonia level, growth, and carcass quality for broiler chicken. *Poult. Sci.* 70(4):746-755
- Wetmore, P.W. and Gochenour Jr, W.S., 1956. Comparative studies of the Genus *Malleomyces* AND selected *Pseudomonas* species I: Morphological and Cultural Characteristics. *Journal of bacteriology*, 72(1), p.79.
- Wuryadi, Slamet. 2013. *Beternak Puyuh*. Jakarta. PT. Agromedia Perkasa
- Xu C.L. 2006. Effects of a dried *Bacillus subtilis* culture on egg quality. *Poult. Sci.*, 85(2): 364–368

- Yalcin S., B. Ozsoy., H.Erol., and S., Yalcin. 2008. Yeast culture supplementation to laying hen diets containing soybean meal or sunflower seed meal and its effect on performance, egg quality traits and blood chemistry. *J. Appl. Poult. Res.* 17:229–236
- Yousefi, M. and Karkoodi, K. 2007. Effect of probiotic Thepax® and *Saccharomyces cerevisiae* supplementation on performance and egg quality of laying hens. *International Journal of Poultry Science*, **6**: 52-54.
- Zainudin, S dan Syahrudin. 2012. Pemanfaatan tepung keong mas sebagai substitusi tepung ikan dalam ransum terhadap performa dan produksi telur puyuh. *Laporan Penelitian Dasar Keilmuan*. Universitas Negeri Gorontalo.
- Zanah, M. 2010. Viabilitas *Azospirillum* sp. dalam saluran pencernaan ayam broiler yang diberikan melalui air minum. *Tesis*. Universitas Jendral Soedirman
- Zeweil, H.S., Genedy, S.G. and Bassiouni, M., 2006, September. Effect of probiotic and medicinal plant supplements on the production and egg quality of laying Japanese quail hens. In *Proceeding of the 12th European poultry conference.*, ZWANS .pp. 1-6
- Zhou, X.,E.Jin., S.Li.,C.Wang.,E. Qiao.,and G.Wu. 2015. Effects of dietary supplementation of probiotics (*Bacillus subtilis*, *Bacillus licheniformis*, and *Bacillus natto*) on broiler muscle development and meat quality. *Turk J Vet Anim Sci.* 39: 203-210
- Zita L, Ledvinka Z, and Klesalova L. 2013. The effect of the age of Japanese quails on certain egg quality traits and their relationship. *Vet Arhiv.* 83:223-232