

## DAFTAR PUSTAKA

- Akif Şahman, M., Çunkaş, M., Inal, Ş., Inal, F., Coşkun, B. and Taşkıran, U. (2009) 'Cost optimization of feed mixes by genetic algorithms', *Advances in Engineering Software*, 40(10), pp. 965–974. doi: 10.1016/j.advengsoft.2009.04.003.
- Alfarisy, G. A. F., Mahmudy, W. F. and Natsir, M. H. (2017) 'Optimizing Laying Hen Diet Using Particle Swarm Optimization with Two Swarms', *Journal of Telecommunication, Electronic and Computer Engineering*, pp. 1–8.
- Alrashidi, M. R. and Alhajri, M. F. (2010) 'Particle Swarm Optimization and Its Applications in Power Systems 2 Fundamentals of Particle Swarm Optimization', pp. 295–324.
- Altun, A. A. and Şahman, M. A. (2011) 'Cost optimization of mixed feeds with the particle swarm optimization method', *Neural Computing and Applications*, 22(2), pp. 383–390. doi: 10.1007/s00521-011-0701-8.
- Arasomwan, M. A. and Adewumi, A. O. (2014) 'Improved particle swarm optimization with a collective local Unimodal search for continuous optimization problems', *The Scientific World Journal*, 2014. doi: 10.1155/2014/798129.
- Badan Pusat Statistik (2014) *Statistics Indonesia: Badan Pusat Statistik*. Available at: <https://www.bps.go.id/linkTabelStatis/view/id/950> (Accessed: 21 March 2016).
- Bai, Q. (2010) 'Analysis of Particle Swarm Optimization Algorithm', *Computer and Information Science*, 3(1), pp. 180–184. doi: 10.5539/cis.v3n1P180.
- Bamiro, O. M. and Shittu, A. M. (2009) 'Vertical integration and cost behavior in poultry industry in Ogun and Oyo states of Nigeria', *Agribusiness*, 25(1), pp. 1–15. doi: 10.1002/agr.20185.
- Van Den Bergh, F. and Engelbrecht, A. P. (2006) 'A study of particle swarm optimization particle trajectories', *Information Sciences*, 176(8), pp. 937–971. doi: 10.1016/j.ins.2005.02.003.
- Coello, C. a C., Lamont, G. B. and Veldhuizen, D. a Van (2007) *Evolutionary Algorithms for Solving Multi-Objective Problems Second Edition, Design*. doi: 10.1007/978-0-387-36797-2.
- Deep, K. and Thakur, M. (2007) 'A new mutation operator for real coded genetic algorithms', *Applied Mathematics and Computation*, 193(1), pp. 211–230. doi: 10.1016/j.amc.2007.03.046.
- Eberhart, R. and Kennedy, J. (1995) 'A new optimizer using particle swarm theory', *MHS'95. Proceedings of the Sixth International Symposium on Micro Machine and Human Science*, pp. 39–43. doi: 10.1109/MHS.1995.494215.
- Eiben, A. E. and Smith, J. E. (2015) *Introduction to Evolutionary Computing, New*

York. doi: 10.1162/evco.2004.12.2.269.

Fatyanosa, T. N. and Mahmudy, W. F. (2017) '(in press). Modified Evolution Strategies for Beef Cattle Feed Optimization', *International Journal of Tomography & Simulation*. doi: 10.22266/ijies2016.xxxx.xx.

Fatyanosa, T. N., Utaminingrum, F. and Data, M. (2017) 'Linear Programming Initialization Method of Evolution Strategies for Beef Cattle Feed Optimization', *Journal of Telecommunication, Electronic and Computer Engineering*, pp. 1–5.

Furuya, T., Satake, T. and Minami, Y. (1997) 'Evolutionary Programming for Mix Design', *Computers and Electronics in Agriculture*, 18(97), pp. 129–135.

Gonsalves, T. and Egashira, A. (2013) 'Parallel Swarms Oriented Particle Swarm Optimization', *Applied Computational Intelligence and Soft Computing*, 2013, pp. 1–7. doi: 10.1155/2013/756719.

Ketaren, P. P. (2010) 'Kebutuhan gizi ternak unggas di Indonesia', *Wartazoa*, 20(4), pp. 172–180.

Kulkarni, R. V, Member, S. and Kumar, G. (2011) 'Networks : A Brief Survey', 41(2), pp. 262–267.

Kuo, R. J., Chao, C. M. and Chiu, Y. T. (2011) 'Application of particle swarm optimization to association rule mining', *Applied Soft Computing*, 11(1), pp. 326–336. doi: 10.1016/j.asoc.2009.11.023.

Lai, X. and Tan, G. (2012) 'Studies on migration strategies of multiple population parallel particle swarm optimization', in *Proceedings - International Conference on Natural Computation*, pp. 798–802. doi: 10.1109/ICNC.2012.6234614.

Levy, D. (2010) *Introduction to Numerical Analysis*. Maryland: Department of Mathematics and Center for Scientific Computation and Mathematical Modeling (CSCAMM) University of Maryland. doi: 10.1137/1024026.

Liang, J. J. and Suganthan, P. N. (2005) 'Dynamic multi-swarm particle swarm optimizer', *Proceedings - 2005 IEEE Swarm Intelligence Symposium, SIS 2005*, 2005, pp. 127–132. doi: 10.1109/SIS.2005.1501611.

McCall, J. (2005) 'Genetic algorithms for modelling and optimisation', *Journal of Computational and Applied Mathematics*, 184(1), pp. 205–222. doi: 10.1016/j.cam.2004.07.034.

National Research Council (1994) *Nutrient Requeriments of Poultry*, *National Academy of Sciences*. Washington: National Academy Press. doi: 10.1103/PhysRevB.81.041203.

Oladokun, V. and Johnson, a. (2012) 'Feed formulation problem in Nigerian poultry farms: a mathematical programming approach', *American Journal of Scientific and Industrial Research*, 3(1), pp. 14–20. doi: 10.5251/ajsir.2012.3.1.14.20.

Olusayo, E., Olusesan, B. and Polytechnic, O. S. (2013) 'Review of Livestock Feed Formulation Techniques echniques', 3208, pp. 69–77.

Peng, M., Gong, Y., Li, J. and Lin, Y. (2014) 'Multi-Swarm Particle Swarm Optimization with Multiple Learning Strategies', in *Proceedings of the Companion Publication of the 2014 Annual Conference on Genetic and Evolutionary Computation*, pp. 15–16.

Pertanian, K. (2015) *Data Statistik Ketahanan Pangan Tahun 2014*. Available at: [http://bkp.pertanian.go.id/tinymcpuk/gambar/file/data\\_statistik\\_kp\\_2014\\_new.pdf](http://bkp.pertanian.go.id/tinymcpuk/gambar/file/data_statistik_kp_2014_new.pdf).

Qin, Q., Cheng, S., Zhang, Q., Li, L. and Shi, Y. (2015) 'Biomimicry of parasitic behavior in a coevolutionary particle swarm optimization algorithm for global optimization', *Applied Soft Computing*, 32, pp. 224–240. doi: 10.1016/j.asoc.2015.03.050.

Rahman, R. A., Ang, C. and Ramli, R. (2010) 'Investigating Feed Mix Problem Approaches : An Overview and Potential Solution', *World Academy of Science, Engineering and Technology*, 46(10), pp. 424–432.

Rahman, R. A., Ramli, R., Jamari, Z. and Ku-Mahamud, K. R. (2015) 'Evolutionary Algorithm Approach For Solving Animal Diet Formulation', *Proceedings of the 5th International Conference on Computing and Informatics, ICOCI 2015*, (32), pp. 274–279.

Rezaee Jordehi, A. and Jasni, J. (2013) 'Parameter selection in particle swarm optimisation: a survey', *Journal of Experimental & Theoretical Artificial Intelligence*, 25(4), pp. 527–542. doi: 10.1080/0952813X.2013.782348.

Rohler, A. B. and Chen, S. (2011) 'An analysis of sub-swarms in multi-swarm systems', *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 7106 LNAI, pp. 271–280. doi: 10.1007/978-3-642-25832-9\_28.

Samadi, S. (2012) 'Konsep Ideal Protein (Asam amino) Fokus Pada Ternak Ayam Pedaging (review artikel)', *Jurnal Agripet*, 12(2), pp. 42–48. Available at: <http://www.jurnal.unsyiah.ac.id/index.php/agripet/article/view/202>.

Saxena, P. (2012) 'Comparison of Linear and Nonlinear Programming Techniques for Animal Diet', *Journal Applied Mathematics*, 1(2), pp. 106–108. doi: 10.5923/j.am.20110102.17.

Shi, Y. and Eberhart, R. (1998) 'A modified particle swarm optimizer', *Evolutionary Computation Proceedings, 1998. IEEE World Congress on Computational Intelligence., The 1998 IEEE International Conference on*, pp. 69–73. doi: 10.1109/ICEC.1998.699146.

Shi, Y. and Eberhart, R. C. (1998) 'Parameter Selection in Particle Swarm Optimization', *Evolutionary Programming VII SE - 57*, 1447, pp. 591–600. doi: 10.1007/BFb0040810.

Subekti, E. (2009) 'KETAHANAN PAKAN TERNAK INDONESIA', *Jurnal Ilmu-Ilmu Pertanian*, 5(2), pp. 63–71.

- Tan, Y., Yuhui, S., Buarque, F., Gelbukh, A., Das, S. and Engelbercht, A. (2015) *Advances in Swarm and Computational Intelligence, Advances in Swarm and Computational Intelligence*. doi: 10.1007/978-3-319-20469-7.
- Tijjani, H., Tijani, B. A., Tijjani, A. N. and Sadiq, M. A. (2012) 'Economic analysis of poultry egg production in Maiduguri and environs of Borno State , Nigeria', 2(12), pp. 319–324.
- Trelea, I. C. (2003) 'The particle swarm optimization algorithm: Convergence analysis and parameter selection', *Information Processing Letters*, 85(6), pp. 317–325. doi: 10.1016/S0020-0190(02)00447-7.
- Wei, X. P., Zhang, J. X., Zhou, D. S. and Zhang, Q. (2015) 'Multiswarm particle swarm optimization with transfer of the best particle', *Computational Intelligence and Neuroscience*, 2015. doi: 10.1155/2015/904713.
- Wijyaningrum, V. N., Mahmudy, W. F. and Natsir, M. H. (2017) 'OLD - Optimization of Poultry Feed Composition using Hybrid Adaptive Genetic Algorithm and Simulated Annealing', *Journal of Telecommunication, Electronic and Computer Engineering*, 9(2), pp. 1–5.
- Xu, D. (2016) 'Multi-objective Optimization Model of Nutritional Ingredients for Poultry Based on Particle Swarm Optimization Algorithm', *Technical Journal of the Faculty of Engineering*, 39, pp. 286–293. doi: 10.21311/001.39.3.36.
- Zaheer, K. (2015) 'An Updated Review on Chicken Eggs: Production, Consumption, Management Aspects and Nutritional Benefits to Human Health', *Food and Nutrition Sciences*, 6(6), pp. 1208–1220. doi: 10.4236/fns.2015.613127.
- Zielinski, K. and Laur, R. (2007) 'Stopping criteria for a constrained single-objective particle swarm optimization algorithm', *Informatika (Ljubljana)*, 31(1), pp. 51–59.