

## DAFTAR PUSTAKA

- Ahmed, S. T., Islam, M. M., Mun, H. S., Sim, H. J., Kim, Y. J. & Yang, C. J. 2014. Effect of *Bacillus amyloliquefaciens* as a probiotic strain on growth performance, cecal microflora, and fecal noxious gas emissions of broiler chickens. *Poultry Science* 93:1963-1971.
- Amrita University. 2015. *Polymerase Chain Reaction*. Retrieved from: <http://amrita.vlab.co.in/?sub=3&brch=186&sim=321&cnt=1> (25 Maret 2015).
- Alnahdi, H. S. 2012. Isolation and screening of extracellular proteases produced by new isolated *Bacillus* sp. *Journal of Applied Pharmaceutical Science* 2:071-074.
- Al-Allaf, M. A. A. 2011. Isolation of *Bacillus* spp. from some sources and study of its proteolytic activity. *Tikrit Journal of Pure Science* 16:59-62.
- Barbosa, T. M., Serra, C. R., La Ragione, R. M., Woodward, M. J. & Henriques, A. O. 2005. Screening for *Bacillus* isolates in the broiler gastrointestinal tract. *Applied Environmental Microbiology* 71:968-978.
- Baron, S. 2003. *Medical Microbiology, 4<sup>th</sup> edition*. Galveston: University of Texas Medical Branch at Galveston.
- Biradar, S., Bahagvati, S. & Shegunshi, B. 2004. Probiotics and Antibiotics: A Brief Overview. *The Internet Journal of Nutrition and Wellness*, 2.
- Bruckner, M. Z. 2012. *Gram Staining*. Retrieved from Carleton College: [http://serc.carleton.edu/microbelife/research\\_methods/microscopy/gramstain.html](http://serc.carleton.edu/microbelife/research_methods/microscopy/gramstain.html) (20 Maret 2015).
- Cho, J. H., Zhao, P. Y. & Kim, I. H. 2011. Probiotics as a dietary additive for pigs, a review. *Journal of Animal and Veterinary Advances*, 10:2127-2134.
- Davidson College. 2003. *Biochemical Test*. Retrieved from: [http://www.bio.davidson.edu/people/dawessner/302/Lab\\_Protocols/Feb18\\_Lab.html](http://www.bio.davidson.edu/people/dawessner/302/Lab_Protocols/Feb18_Lab.html) (29 Maret 2015).
- DCCCD (Dallas County Community College District). 2011. *Bacterial Colony Morphology*. Retrieved from: [http://delrio.dcccd.edu/jreynolds/microbiology/2421/lab\\_manual/colony\\_morph.pdf](http://delrio.dcccd.edu/jreynolds/microbiology/2421/lab_manual/colony_morph.pdf) (25 Maret 2015).
- Dunlap, C. A., Kim, S. J., Kwon, S. W. & Rooney, A. P. 2015. Phylogenetic analysis shows that *Bacillus amyloliquefaciens* subsp *plantarum* is a later heterotypic synonym of *Bacillus methylotrophicus*. *International Journal of Systematic and Evolutionary Microbiology* 21:147-1250.
- Huang, Q., Xu, X., Mao, Y. L., Huang, Y. & Rajput, I. R. 2013. Effects of *Bacillus subtilis* B10 spores on viability and biological functions of murine macrophages. *Animal Science Journal*, 84:247-252.

- Islam, V. I. H., Babu, N. P., Pandikumar, P. & Ignacimuthu, S. 2011. Isolation and characterization of putative probiotic bacterial strain, *Bacillus amyloliquefaciens*, from North East Himalayan soil based on in vitro and in vivo functional properties. *Probiotics and Antimicrobial Protein* 3:175-185.
- Janda, J. M. & Abbott, S. L. 2007. 16s rRNA gene sequencing for bacterial identification in the diagnosis laboratory: Pluses, Perils, and Pitfalls. *Journal of Clinical Microbiology*, 45:2761-2764.
- Jiao, S., Maltecca, C., Gray, K. A. & Cassady, J. P. 2014. Feed intake, average daily gain, feed efficiency, and real-time ultrasound traits in duron pigs: i. genetic parameter estimation and accuracy of genomic prediction. *Journal of Animal Science*, 92:2377-2386.
- Johnsen, H. R. & Krause, K. 2014. Cellulase activity screening using pure carboxymethylcellulose: application to soluble cellulolytic samples and to plant tissue prints. *International Journal of Molecular Science* 15:830-838.
- Kozasa, M. 1989. Probiotics for animal use in japan. *Scientific and Technical Review of the Office International des Epizooties*, 8:517-531.
- Lazaro, R. & Hernandez, M. 2013. *Introduction to the Real-time PCR*. Norfolk: Caister Academic Press.
- Leser, T. D., Amenuvor, J. Z., Jensen, T. K., Lindecrona, R. H., Boye, M. & Moller, K. 2002. Culture-independent analysis of gut bacteria: the pig gastrointestinal tract microbiota revisited. *Applied and Environmental Microbiology*, 68:673-690.
- Lewis, A. J. & Southern, L. L. 2001. *Swine Nutrition*. Florida: CRC Press.
- Liu, W. Wang, X., Wu, L., Chen, M., Tu, C., Luo, Y. & Christie, P. 2012. Isolation, identification and characterization of *Bacillus amyloliquefaciens* BZ-6, a bacterial isolate for enhancing oil recovery from oil sludge. *Chemosphere* 87:105-110.
- Manhar, A. K., Saikia, D., Bashir, Y., Mech, R. K., Nath, D., Konwar, B. K. & Manndal, M. 2015. In vitro evaluation of cellulolytic *Bacillus amyloliquefaciens* AMS1 isolated from traditional fermented soybean (Churpi) as an animal probiotik. *Research in Veterinary Science* 99:149-156.
- Mare, L. 2009. *The Use of Prebiotics and Probiotics in Pigs*. Retrieved from: [www.sapork.biz/the-use-of-prebiotics-and-probiotics-in-pigs-a-a-review/](http://www.sapork.biz/the-use-of-prebiotics-and-probiotics-in-pigs-a-a-review/) (25 Maret 2015).
- McDowell, L. R. 1989. *Vitamins in Animal Nutrition: Comparative Aspect to Human Nutrition*. San Diego: Academy Press.
- McGlone, J. & Pond, W. G. 2003. *Pig production: Biological Principles and Applications*. New York: Thomson Delmar Learning.

- Midlands Technical College. 2010. *Arrangement of cocci*. Retrieved from: <http://classes.midlandstech.edu/carterp/courses/bio225/chap04/lecture2.htm> (25 Maret 2015).
- Molva, C., Sudagidan, M. & Okuklu, B. 2008. Extracellular enzyme production and enterotoxigenic gene profiles of *Bacillus cereus* and *Bacillus thuringien* strains isolated from cheese in Turkey. *Food control* 20:829-834.
- Nassar, F. R., Abdelhafez, A. A., El-Tayeb, T. S. & Abu-Hussein, . H. 2015. Proteases production by a bacterial isolate *Bacillus amyloliquefaciens* 35s obtained from soil of the Nile delta of Egypt. *British Microbiology Research Journal* 6:286-302.
- Prabavathi, R., Mathivanan, V. & Ambika, A. 2012. Screening of protease enzyme by construction of metagenomic library from marine soil sediments. *International Journal of Pharma Sciences and Research*, 3:396-399.
- Rao, M. B., Tanksale, A. M., Ghatge, M. S. & Deshpande, V. V. 1998. molecular and biotechnological aspects of microbial proteases. *Microbiology and Molecular Biology Reviews*, 62:597-635.
- Reynolds, J. 2011. *Bacterial Colony Morphology*. Retrieved from: [http://delrio.dcccd.edu/jreynolds/microbiology/2421/lab\\_manual/colony\\_morph.pdf](http://delrio.dcccd.edu/jreynolds/microbiology/2421/lab_manual/colony_morph.pdf) (20 Juni 2015).
- Rollins, D. M. 2000. *Streaking for Isolation of Bacterial Colonies on an Agar Medium*. Retrieved from: <http://www.life.umd.edu/classroom/bsci424/LabMaterialsMethods/StreakingTechnique.htm> (14 Maret 2015).
- Rowan, J. P., Durrance, K. L., Combs, G. E. & Fisher, L. Z. 2003. *The Digestive Tract of the Pig*. Retrieved from: <http://edis.ifas.ufl.edu/an012> (20 Maret 2015).
- Schallmeyer, M., Singh, A. & Ward, O. P. 2004. Developments in the use of *Bacillus* species for industrial production. *Canadian Journal of Microbiology* 50:1-17.
- Sinaga, S. 2012. *Peternak Babi di Kaltim dan Kalbar Perlu Pendampingan*. Retrieved from: <http://blogs.unpad.ac.id/saulandsinaga/category/perkandangan-babi/> (28 Maret 2015).
- Sjofjan, O. & Ardyati, T. 2011. Extracellular amylase activity of amylolytic bacteria isolated from quail's (*Cortunix japonica*) intestinal tract in corn flour medium. *International Journal of Poultry Science*, 10:411-415.
- Sorokulova, I. 2013. Modern status and perspectives of *Bacillus* bacteria as probiotics. *Journal of Probiotics and Health* 1:1-5.

- Sukumaran, R. K., Singhania, R. R. & Pandey, A. 2005. Microbial cellulases – production, application, and challenges. *Journal of Scientific & Industrial Research*, 64: 832-844.
- Thiel, T. 1999. *Isolating Bacillus from soil*. Retrieved from: <http://www.umsl.edu/~microbes/pdf/bacillus.pdf> (20 Juni 2015).
- University of Alberta. 2003. *Identification of Bacterial Species*. Retrieved from: <http://www.ableweb.org/volumes/vol-24/8-christopher.pdf> (20 Maret 2015).
- University of Florida. 2013. *Identifying Bacterial Unknowns using Biochemical Test*. Retrieved from: <http://www.cpet.ufl.edu/wp-content/uploads/2013/03/Identifying-Bacterial-Unknowns-using-Biochemical-Tests.pdf> (25 Maret 2015).
- University of Idaho. 2005. *Biochemical and Metabolic Properties of Microbes*. Retrieved from: [http://www.uiweb.uidaho.edu/micro\\_biology/250/Week6.pdf](http://www.uiweb.uidaho.edu/micro_biology/250/Week6.pdf) (28 Maret 2015).
- Washington University in Saint Louis. 2006. *Identifying Unknown Bacteria Using Biochemical and Molecular Method*. Retrieved from: [www.nslc.wustl.edu/elgin/genomics/Bio3055/IdUnknBacteria06.pdf](http://www.nslc.wustl.edu/elgin/genomics/Bio3055/IdUnknBacteria06.pdf) (25 Maret 2015).
- Zhang, Y., Wang, X. J., Chen, S. Y., Guo, L. Y., Song, M. L., Feng, H., Li, C. & Bai, J. G. 2015. *Bacillus methylotrophicus* isolated from the cucumber rhizosphere degrades ferulic acid in soil and affects antioxidants and rhizosphere enzyme activity. *Plant Soil* 392:309-321.