

## DAFTAR PUSTAKA

- Abugessaisa, I., Kasukawa, T., & Kawaji, H. (2016). Genome Annotation. *Bioinformatics*. 107–121.
- Andrews, S. (2010). FastQC: A Quality Control Tool for High Throughput Sequence Data. Available online at: <http://www.bioinformatics.babraham.ac.uk/projects/fastqc/>
- Apsari, A. S., & Adiguna, M. S. (2013). Resistensi Antijamur dan Strategi untuk Mengatasi. *MDVI*. 40(2) : 89-95.
- Aziz, R. K., Bartels, D., Best, A. A., DeJongh, M., Disz, T., Edwards, R. A., Formsma, K., Gerdes, S., Glass, E. M., Kubal, M., Meyer, F., Olsen, G. J., Olson, R., Osterman, A. L., Overbeek, R. A., McNeil, L. K., Paarmann, D., Paczian, T., Parello, B., Pusch, G. D., Reich, C., Stevens, R., Vassieva, O., Vonstein, V., Wilke, A., & Zagnitko, O. (2008). The RAST Server: Rapid Annotations using Subsystems Technology. *BMC Genomics*. 9(1): 75.
- Beckloff, N., Starckenburg, S., Freitas, T., & Chain, P. (2012). Bacterial Genome Annotation. *Methods in Molecular Biology*. 471–503.
- Böhm, J., Hoff, B., O’Gorman, C. M., Wolfers, S., Klux, V., Binger, D., Zadra, I., Kürnsteiner, H., Pöggeler, S., Dyer, P. S., & Kück, U. (2013). Sexual Reproduction and Mating-type-mediated Strain Development in the Penicillin-producing Fungus *Penicillium chrysogenum*. *Proceedings of the National Academy of Sciences*. 110(4): 1476–1481.
- Boottanun, P., Potisap, C., Hurdle, J.G., & Sermswan, R. W. (2017). Secondary Metabolites from *Bacillus amyloliquefaciens* Isolated from Soil can Kill *Burkholderia pseudomallei* . *AMB Expr* 7, 16.
- Bullerman, L. B. (2003). Spoilage | Fungi in Food – An Overview. *Encyclopedia of Food Sciences and Nutrition*. 5511–5522.
- Carris, L. M., Little, C. R., & Stiles, C. M. (2012). Introduction to Fungi. *The Plant Health Instructor*. 1-30.
- Carver, T., Harris, S. R., Berriman, M., Parkhill, J., & McQuillan, J. A. (2012). Artemis: an Integrated Platform for Visualization and Analysis of High-throughput Sequence-based Experimental Data. *Bioinformatics*. 28(4) : 464-469.
- Corsetti, A., Ciarrocchi, A., & Prete, R. (2016). Lactic Acid Bacteria: *Lactobacillus spp.: Lactobacillus plantarum*. *Reference Module in Food Science*. 1-8.
- Cortés-Zavaleta, O., López-Malo, A., Hernández-Mendoza, A., & García, H.S. (2014). Antifungal Activity of *Lactobacilli* and its Relationship with 3-phenyllactic Acid Production. *International Journal of Food Microbiology*, 173(), 30–35.

- Crowley, S., Mahony, J., & van Sinderen, D. (2013). Current Perspectives on Antifungal Lactic Acid Bacteria as Natural Bio-preservatives. *Trends in Food Science & Technology*. 33(2), 93–109.
- Dal Bello, F., Clarke, C. I., Ryan, L. A. M., Ulmer, H., Schober, T. J., Ström, K., Sjogren, J., van Sinderen, D., Schnurer, J., & Arendt, E. K. (2007). Improvement of the Quality and Shelf Life of Wheat Bread by Fermentation with the Antifungal Strain *Lactobacillus plantarum* FST 1.7. *Journal of Cereal Science*, 45(3), 309–318
- Darling, A. C. E., Mau, B., Blattner, F. R., & Perna, N. T. (2004). Mauve: Multiple Alignment of Conserved Genomic Sequence With Rearrangements. *Genome Research*. 14(7), 1394–1403.
- Dhakar, K., Sharma, A., & Pandey, A. (2013). Cold, pH and Salt Tolerant *Penicillium* spp. Inhabit the High Altitude Soils in Himalaya, India. *World Journal of Microbiology and Biotechnology*. 30(4): 1315–1324.
- Dincer, E., & Kivanc, M. (2019). Characterization of *Lactobacillus plantarum* Strains Isolated from Turkish Pastirma and Possibility to Use of Food Industry. *Food Science and Technology*, 40(2): 498-507.
- Edward, D. J., & Holt, K. E. (2017). Bacterial Comparative Genomics Tutorial - Version 2. *BMC Microbial Bioinformatics*. 1-18.
- George, M., & Ramteke, P. W. (2019). Morphology, Molecular Identification and Phylogenetic Analysis Based on Internal Transcribed Spacer (ITS) of the Ribosomal Nuclear DNA (rDNA) Sequence of a Pathogenic Fungal Isolate *Aspergillus niger* LKO1. *The Journal of the Society for Tropical Plant Research*, 6(2): 166–170.
- Gerez, C. L., Torino, M. I., Obregozo, M. D., & de Valdez, G. F. (2010). A Ready-to-Use Antifungal Starter Culture Improves the Shelf Life of Packaged Bread. *Journal of Food Protection*, 73(4): 758–762.
- Goncalves, M. F. M., Santos, L., Silva, B. M. V., Abreu, A. C., Vicente, T. F. L., Esteves, A. C., & Alves, A. (2019). Biodiversity of *Penicillium* Species from marine Environments in Portugal and Description of *Penicillium lusitanum* sp. nov., a Novel Species Isolated from Sea Water. *International Journal of Systematic and Evolutionary Microbiology*, 69(10) : 3014-3021.
- Gong, A.-D., Li, H.-P., Yuan, Q.-S., Song, X.-S., Yao, W., He, W.-J., Zhang, J. B., & Liao, Y.-C. (2015). Antagonistic Mechanism of Iturin A and Plipastatin A from *Bacillus amyloliquefaciens* S76-3 from Wheat Spikes against *Fusarium graminearum*. *PLOS ONE*. 10(2), e0116871.
- Gotor-Vila, A., Teixidó, N., Sisquella, M., Torres, R., & Usall, J. (2017). Biological Characterization of the Biocontrol Agent *Bacillus amyloliquefaciens* CPA-8: The Effect of Temperature, pH and Water Activity on Growth, Susceptibility to Antibiotics and Detection of Enterotoxin Genes. *Current Microbiology*.

- Graybill, J. R., Burgess, D. S., & Hardin, T. C. (1997). Key Issues Concerning Fungistatic Versus Fungicidal Drugs. *European Journal of Clinical Microbiology & Infectious Diseases*. 16(1): 42–50.
- Guimarães, A., Santiago, A., Teixeira, J. A., Venâncio, A., & Abrunhosa, L. (2018). Anti-aflatoxigenic Effect of Organic Acids Produced by *Lactobacillus plantarum*. *International Journal of Food Microbiology*. 264, 31–38.
- HiMedia Laboratories. (2019). Lactobacillus MRS Agar. Retrieved from : <https://himedialabs.com/TD/M641.pdf> ( 10 September 2021)
- HiMedia Laboratories. (2019). Potato Dextrose Agar. Retrieved from : <https://himedialabs.com/TD/M096.pdf> (10 September 2021)
- Hong, S.-B., Lee, M., Kim, D.-H., Varga, J., Frisvad, J. C., Perrone, G., Gomi, K., Yamada, O., Machida, M., Houbraken, J., & Samson, R. A. (2013). *Aspergillus luchuensis*, an Industrially Important Black *Aspergillus* in East Asia. *PLoS ONE*. 8(5), e63769.
- Jabbari, V., Khiabani, M. S., Mokarram, R. R., Hassanzadeh, A. M., Ahmadi, E., Gharenaghadeh, S., Karimi, N., Kafil, H. S. (2017). *Lactobacillus plantarum* as a Probiotic Potential from Kouzeh Cheese (Traditional Iranian Cheese) and Its Antimicrobial Activity. *Probiotics and Antimicrobial Proteins*, 9(2), 189–193.
- Joshi NA, Fass JN. (2011). Sickle: A Sliding-window, Adaptive, Quality-based Trimming Tool for FastQ Files (Version 1.33) [Software]. Available at <https://github.com/najoshi/sickle>.
- König, S., Romoth, L., & Stanke, M. (2018). Comparative Genome Annotation. *Methods in molecular biology*. 1704: 189-212.
- Lee, T., Park, D., Kim, K., Lim, S. M. Yu, N. H., Kim, S., Kim, H. Y., Jung, K. S., Jang, J. Y., Park, J. C., Ham, H., Lee, S., Hong, S. K., & Kim, J. C. (2017). Characterization of *Bacillus amyloliquefaciens* DA12 Showing Potent Antifungal Activity against Mycotoxigenic *Fusarium* Species. *The Plant Pathology Journal*. 33(5) : 499-507.
- Lorenzo, J. M., Munekata, P. E., Dominiguez, R., Pateiro, M., Saraiva, J. A., & Franco, D. (2018). Main Groups of Microorganisms of Relevance for Food Safety and Stability: General Aspects and Overall Description. *Innovative Technologies for Food Preservation*, 53-107
- Mardanov, A. M., Hadieva, G. F., Lutfullin, M. T., Khilyas, I. V., Minnullina, L. F., Gilyazeva, A. G., Bogomolnaya, L. M., & Sharipova, M. R. (2017). *Bacillus subtilis* Strains with Antifungal Activity against the Phytopathogenic Fungi. *Agricultural Sciences*, 8: 1-20.
- McDonald, L. C., Fleming, H. P., & Hassan, H. M. (1990). Acid Tolerance of *Leuconostoc mesenteroides* and *Lactobacillus plantarum*. *Applied and Environmental Microbiology*. 56(7): 2120-2124.

- McKeny, P. T., Nessel, T. A., & Zito, P. M. (2020). Antifungal Antibiotics. *StatPearls Publishing LLC*.
- Muthusamy, K., Soundharrajan, I., Srisesharam, S., Kim, D., Kuppusamy, P., Lee, K. D., & Choi, K. C. (2020). Probiotic Characteristics and Antifungal Activity of *Lactobacillus plantarum* and Its Impact on Fermentation of Italian Ryegrass at Low Moisture. *Applied Sciences*. 10(1): 417.
- National Center for Biotechnology Information (NCBI). (1998). Bethesda (MD): National Library of Medicine (US), National Center for Biotechnology Information. Available from: <https://www.ncbi.nlm.nih.gov/>.
- Ngalimat, M. S., Yahaya, R. S. R., Baharudin, M. M. A., Yaminudin, S. M., Karim, M., Ahmad, S. A., & Sabri, S. (2021). A Review on the Biotechnological Applications of the Operational Group *Bacillus amyloliquefaciens*. *Microorganisms*. 9: 614.
- Nivoix, Y., Ledoux, M., & Herbrecht, R. (2020). Antifungal Therapy: New and Evolving Therapies. *Seminars in Respiratory and Critical Care Medicine*, 41(01), 158–174.
- Noorabadi, M. T., Babaeizad, V., Zare, R., Asgari, B., Haidukowski, M., Epifani, F., Stea, G., Moretti, A., Logrieco, A. F., & Susca, A. (2020). Isolation, Molecular Identification, and Mycotoxin Production of *Aspergillus* Species Isolated from the Rhizosphere of Sugarcane in the South of Iran. *Toxins*. 12: 122.
- Ouyang, S., Thibaud-Nissen, F., Childs, K. L., Zhu, W., & Buell, C. R. (2009). Plant Genome Annotation Methods. *Methods in Molecular Biology*<sup>TM</sup>. 263–282.
- Palumbo, J. D., & O'Keffle, T. L. (2014). Detection and Discrimination of four *Aspergillus* section *Nigri* species by PCR. *Letters in Applied Microbiology*. 60: 188-195.
- Peixoto, G. Q., Torres, R. O., Reis, I. M. A., Oliveira, T. A. S., Bortolini, D. E., Duarte, E. A. A., Aguiar, E. R. G. R., Soares, A. C. F., Neto, A. G., & Branco, A. (2019). Calm Before the Storm: A Glimpse into the Secondary Metabolism of *Aspergillus welwitschiae*, the Etiologic Agent of the Sisal Bole Rot. *Toxins*. 11: 631.
- Polli, F. (2017). Synthetic Biology Tools for Metabolic Engineering of the Filamentous Fungus *Penicillium chrysogenum*. *University of Groningen*. 14.
- Prjibelski, A., Antipov, D., Meleshko, D., Lapidus, A., & Korobeynikov, A. (2020). Using SPAdes De Novo Assembler. *Current Protocols in Bioinformatics*: 70(1).
- Perrone, G., & Susca, A. (2017). *Penicillium* Species and Their Associated Mycotoxins. *Methods in Molecular Biology*, 1542: 107-119.

- Purdue University. (2021). Acidic and Basic Salt Solution. Retrieved from: [https://www.chem.purdue.edu/gchelp/howtosolveit/Equilibrium/Salt\\_Solutions.htm](https://www.chem.purdue.edu/gchelp/howtosolveit/Equilibrium/Salt_Solutions.htm) (10 Juli 2021)
- Rao, P. K., Deepthi, B. V., Rakesh, S., Ganesh, T., Achar, P., & Sreenivasa, M. Y. (2017). Antiaflatoxigenic Potential of Cell-Free Supernatant from *Lactobacillus plantarum* MYS44 Against *Aspergillus parasiticus*. *Probiotics and Antimicrobial Proteins*.
- Reboux, G., Rocchi, S., Vacheyrou, M., & Millon, L. (2019). Identifying Indoor Air *Penicillium* Species: a Challenge for Allergic Patients. *Journal of Medical Microbiology*, 68(5) : 812-821.
- Russo, P., Arena, M. P., Fiocco, D., Capozzi, V., Drider, D., & Spano, G. (2016). *Lactobacillus plantarum* with Broad Antifungal Activity: A Promising Approach to Increase Safety and Shelf-life of Cereal-based Products. *International Journal of Food Microbiology*, 1-30.
- Saelim, K., Jampaphaeng, K., & Maneerat, S. (2017). Functional Properties of *Lactobacillus plantarum* S0/7 Isolated Fermented Stinky Bean (Sa Taw Dong) and its Use as a Starter Culture. *Journal of Functional Foods*. 38: 370–377.
- Saguir, F. M., & de Nadra, M. C. M. (2007). Improvement of a Chemically Defined Medium for the Sustained Growth of *Lactobacillus plantarum*: Nutritional Requirements. *Current Microbiology*. 54(6): 414–418.
- Shahzadi, K. (2021). Fungi. Lahore College for Women University. Retrieved from : <http://www.lcwu.edu.pk/ocd/cfiles/Botany/Maj%20/Bot%20-102/Fungi.pdf> (25 April 2021)
- Sogandi, Mustopa, A. Z., & Artika, I. M. (2019). The Characterization of Bacteriocins Produced by *Lactobacillus plantarum* Strains Isolated from Traditional Fermented Foods in Indonesia and the Detection of its Plantaricin-encoding Genes. *Indonesian Journal of Biotechnology*. 24(1) : 1-7.
- University of Texas. (2021). Weak Acids and Weak Bases. Retrieved from: <http://ch302.cm.utexas.edu/chemEQ/ab-theory/selector.php?name=weak-acid-base> (10 Juli 2021)
- Vanzela, D. O. A., Massi, F. P., de Oliveira, A. L. M., Fungaro, M. H. P., & Sartori, D. (2020). Isolation and Identification of *Aspergillus* Section *Nigri*, and Genotype Associated with Ochratoxin A and Fumonisin B2 Production in Garlic Marketed in Brazil. *Current Microbiology*.
- Visagie, C. M., Houbraken, J., Frisvad, J. C., Hong, S. B., Klaassen, C. H. W., Perrone, G., Seifert, K. A., Varga, J., Yaguchi, T., & Samson, R. A. (2014). Identification and Nomenclature of the Genus *Penicillium*. *Studies in Mycology*, 78: 343-371.

- Wahyuni, S. H. (2017). Identifikasi Jamur Endofit Asal Tanaman Tebu (*Saccharum officinarum* L.) dalam Menghambat *Xanthomonas albilineans* L. Penyebab Penyakit Vaskular Bakteri. *Jurnal Agrotek Lestari*, 4(2) : 1-11.
- Wang, X. C., Chen, K., Zeng, Z. Q., & Zhuang, W. Y. (2017). Phylogeny and Morphological Analyses of *Penicillium* section *Sclerotiora* (Fungi) lead to the Discovery of five New Species. *Scientific Reports*, 7(8233).
- Wu, Y., Zhou, J., Li, C., & Ma, Y. (2019). Antifungal and Plant Growth Promotion Activity of Volatile Organic Compounds Produced by *Bacillus amyloliquefaciens*. *Microbiology Open*. 1-14.
- Xu, W., Wang, H., Lv, Z., Shi, Y., & Wang, Z. (2019). Antifungal Activity and Functional Components of Cell-free Supernatant from *Bacillus amyloliquefaciens* LZN01 Inhibit *Fusarium oxysporum* f. sp. *niveum* Growth. *Biotechnology & Biotechnological Equipment*. 33(1), 1042–1052.
- Yin, G., Zhang, Y., Pennerman, K. K., Wu, G., Hua, S. S. T., Yu, J., Jurick II, W. M., Gui, A., & Bennett, J. W. (2017). Characterization of Blue Mold *Penicillium* Species Isolated from Stored Fruits Using Multiple Highly Conserved Loci. *Journal of Fungi*, 3(12) : 1-10.
- Zhang, W., Wei, L., Xu, R., Lin, G., Xin, H., Lv, Z., Qian, H., & Shi, H. (2020). Evaluation of the Antibacterial Material Production in the Fermentation of *Bacillus amyloliquefaciens*-9 from Whitespotted Bamboo Shark (*Chiloscyllium plagiosum*). *Marine Drugs*, 18(119): 1-15.
- Zotta, T., Parente, E., & Ricciardi, A. (2017). Aerobic Metabolism in the Genus *Lactobacillus*: Impact on Stress Response and Potential Applications in the Food Industry. *Journal of Applied Microbiology*. 122(4): 857–869.