

DAFTAR PUSTAKA

- Abd El-Rahim, W.M., El-Ardy, O.A.M. and Mohammad, F.H.2009. The effect of pH on bioremediation potential for the removal of direct violet textile dye by *Aspergillus niger*. *Desalination*, 249(3), pp.1206-1211.
- Ademakinwa, A. N., and Agboola, F. K. 2015. Bioremediation of textile dye solutions, textile dye mixtures, and textile effluents by laccase from *Aureobasidium pullulans* (de Bary) G. Arnaud (1918) (Fungi: Ascomycota). *Brazilian Journal of Biological Sciences*, 2:253-262
- Aftab, M., Tahir, A., Asim, T. and Maryam, I. 2018. Optimization of cultural conditions for enhanced production of laccase by *Aspergillus flavus* Maf 0139. *Biologia (Pakistan)*, 64(2), 247-255..
- Agarry, S.E. and Ayobami, O.A. 2011. Evaluation of microbial systems for biotreatment of textile waste effluents in Nigeria: biodecolourization and biodegradation of textile dye. *Journal of Applied Sciences and Environmental Management*, 15(1).
- AI-Jawhari, I.F.H. 2015. Decolorization of methylene blue and crystal violet by some filamentous fungi. *International Journal of Environmental Bioremediation & Biodegradation*, 3(2), pp.62-65.
- Al-Kdasi, A., Idris, A., Saed, K. Guan, C.T. 2004. Treatment of textile wastewater by advanced oxidation processes. *Global Nest the Int. J.* 6: 222-230.
- Al-Tohamy, R., Kenawy, E.R., Sun, J. Ali, S.S.2020. Performance of a newly isolated salt-tolerant yeast strain *Sterigmatomyces halophilus* SSA-1575 for azo dye decolorization and detoxification. *Frontiers in Microbiology*, 11.
- Alves de Lima, R. O., Bazo, A. P., Salvadori, D. M., Rech, C. M., de Palma Oliveira, D., de Aragão Umbuzeiro, G. 2007. Mutagenic and carcinogenic potential of a textile azo dye processing plant effluent that impacts a drinkingwater source. *Mutation Research and Environmental Mutagenesis*, 626, pp. 53-60.
- Amin, N.K., 2008. Removal of reactive dye from aqueous solutions by adsorption onto activated carbons prepared from sugarcane bagasse pith. *Desalination*, 223(1-3), pp.152-161.
- Anjali, K., Rajni, Y., Hemali, G. 2017. An Eco Friendly Approach For Batik On Silk Using Natural Dyes And Development Of A Color Palette For A Product Line. *International Journal of Textile and Fashion Technology*. 7(5), 17-26.

- Apiwatanapiwat, W., Siriacha, P. and Vaithanomsat, P., 2006. Screening of fungi for decolorization of wastewater from pulp and paper industry. *Agriculture and Natural Resources*, 40(5), 215-221.
- Apriyani, N. 2018. Industri batik: kandungan limbah cair dan metode pengolahannya. *Media Ilmiah Teknik Lingkungan (MITL)*. 3(1), 21- 29.
- Arslan, I. and Balcioglu, I.A.,2001. Degradation of Remazol Black B dye and its simulated dyebath wastewater by advanced oxidation processes in heterogeneous and homogeneous media. *Coloration Technology*, 117(1), pp.38-42.
- Aryanti, N., Nafiunisa, A., Kusworo, T. D. and Wardhani, D. H. 2021. Separation of Reactive Dyes using Natural Surfactant and Micellar Enhanced Ultrafiltration Membrane. *Journal of Membrane Science and Research*, 7:20-28.
- Atmaji,P., P. Wahyu, P. P. Edi. 1999, Daur Ulang Limbah Hasil Pewarnaan Industri Tekstil, *Jurnal Sains dan Teknologi Indonesia*, 1(4).
- Ayuni, N. P. S., Yuningrat, N. W., Andriani, K. Y. 2016. Adsorpsi- Desorpsi Zat Warna Azo Jenis Remazol Black B Menggunakan Membran Polielektrolit (Pec) Kitosan-Pektin. *Jurnal Sains dan Teknologi*. 5(1),1-12
- Bafana, A., Chakrabarti, T., Muthal, P. and Kanade, G., 2009. Detoxification of benzidine-based azo dye by *E. gallinarum*: Time-course study. *Ecotoxicology and environmental safety*, 72(3), pp.960-964.
- Balan, D. S., Monteiro, R. T. 2001. Decolorization of textile indigo dye by ligninolytic fungi. *Journal of Biotechnology*. 89(2-3), 141-145.
- Baldwin.B.G.1992. Phylogenetic utility of the ITS of nuclear ribosomal DNA in plants: An example from the compositology. *Molecular Phylogenetics and Evolution* 1(1): 3-16.
- Ballaminut N, Matheus DR. 2007. Characterization of fungal inoculum used in soil bioremediation. *Brazilian Journal Microbiol.* 2007; 38: 248-252.
- Barnett, H.L. B.B. Hunter. 1998. *Illustrated genera of imperfect fungi*. 4th ed. Prentice-Hall, Inc, USA.
- Barreto,M.C, Frisvad,J.C., Larsen,T.O., Mogensen,J., San-Romão,M.V. 2011. Exo-metabolome of some fungal isolats growing on corkbased medium. *European Food Research and Technology* 232:575- 582.

- Bertrand, B., Martínez-Morales, F., & Trejo-Hernández, M. R. 2013. Fungal laccases: induction and production. *Revista mexicana de ingeniería química*, 12(3), 473-488.
- Blackwell, M. 2011. The Fungi: 1, 2, 3 ... 5.1 Million Species? *American Journal of Botany*. 98:426-438.
- Camarero, S, Ibarra, D, Martínez M. J, Angel, T. M. 2005. Lignin Derived Compounds as Efficient Laccase Mediators for Decolourization of Different Types of Recalcitrant Dyes. *Applied Environmental Microbiology* 71(4):1775-1784.
- Casieri, L., Varese, G. C., Anastasi, A., Prigione, V., Svobodova, K., Filippello Marchisio, V., & Novotný, Č. 2008. Decolorization and detoxication of reactive industrial dyes by immobilized fungi *Trametes pubescens* and *Pleurotus ostreatus*. *Folia microbiologica*, 53(1), 44-52.
- Clark, M. 2011. Handbook of textile and industrial dyeing: Principles, processes and types of dyes. *Elsevier*
- Cotter, T. 2014. *Organic mushroom farming and mycoremediation: Simple to advanced and experimental techniques for indoor and outdoor cultivation*. Chelsea Green Publishing.
- De Carvalho, L.M. Schwedt, G., 2002. Spectrophotometric determination of dithionite in household commercial formulations using naphthol yellow S. *Microchimica Acta*, 138(1-2), pp.83-87.
- Dewi, R. S., Lestari, S. 2010. Dekolorisasi limbah batik tulis menggunakan jamur indigenous hasil isolasi pada konsentrasi limbah yang berbeda. *Molekul*. 5(2). 75-82.
- Dewi, R.S. Kasiamdari, R.S., Martani, E., Purwestri, Y.A. 2018. Decolorization and detoxification of batik dye effluent containing Indigosol Blue-04B Using fungi isolated from contaminated dyes effluent. *Indonesian Journal Of Biotechnology*. 23(2). 54-60
- Domsch, K.H., Gams, W., Anderson, T.H. 1980. *Compendium of soil fungi. Volume 1*. Academic Press Ltd, London.
- Eggert, C., Temp, U., & Eriksson, K. E. 1996. The ligninolytic system of the whiterot fungus *Pycnoporus cinnabarinus*: purification and characterization of the laccase. *Applied and environmental microbiology*, 62(4), 1151-1158.
- Eichlerová, I., Homolka, L. and Nerud, F., 2002. Decolorization of synthetic dyes by *Pleurotus ostreatus* isolates differing in ligninolytic properties. *Folia microbiologica*, 47(6), pp.691-695.

- Erum, S. and Ahmed, S.2011. Comparison of dye decolorization efficiencies of indigenous fungal isolates. *African Journal of Biotechnology*, 10(17), pp.3399-3411.
- Faryal, R.A.N.I. Hameed, A. 2005. Isolation and characterization of various fungal strains from textile effluent for their use in bioremediation. *Pakistan Journal of Botany*, 37(4), p.1003.
- Fetyan, N. A., Abdel Azeiz, A. Z., Ismail, I. M., & Shaban, S. A. 2016. Oxidative Decolorization of Direct Blue 71 Azo Dye by *Saccharomyces cerevisiae* Catalyzed by Nano Zero-valent Iron. *Annual Research & Review in Biology*. 11(2), 1-12.
- Gandjar, I., R.A. Samson, K. van den Tweel-Vermeulen, A. Oetari., I. Santoso. 1999. Pengenalan kapang tropik umum. Jakarta: Yayasan Obor Indonesia.
- Gontia-Mishra, I., Tripathi, N. and Tiwari, S., 2014. A simple and rapid DNA extraction protocol for filamentous fungi efficient for molecular studies. *Indian Journal of Biotechnology*. 13(4), pp. 536-539.
- Gupta, V. K. 2009. Application of low-cost adsorbents for dye removal—a review. *Journal of environmental management*, 90(8), 2313-2342.
- Roosheroe, I.G., Sjamsuridzal, W. and Oetari, A., 2014. *Mikologi: dasar dan terapan*. Yayasan Pustaka Obor Indonesia.
- Hartina, O., Amna, U., Fajri, R., 2020. Identifikasi Bahan Pewarna *Naphthol Yellow S* ($C_{10}H_6N_2NaO_8S^+$) Dalam Sediaan Perona Mata Secara Kromatografi LapisTipis (KLT). *QUIMICA: Jurnal Kimia Sains dan Terapan*, 2(1), pp.5-8.
- Hastuti, U.S. 2014. *Penuntun Praktikum Mikologi*. Malang : Universitas Negeri Malang. ISBN : 978-979-796-288-3
- Hefnawy, M.A., Gharieb, M.M., Shaaban, M.T. and Soliman, A.M., 2017. Optimization of culture condition for enhanced decolorization of direct blue dye by *Aspergillus flavus* and *Penicillium canescens*. *Journal Pharmaceutical Science and Technology*, 7(02), pp.083-092.
- Hendris, S., Nugroho, T.T., 2015. Identifikasi Isolat Fungi Endofit Lbkurcc43 Berdasar Sekuens Its Rdna Dari Umbi Tanaman Dahlia (*Dahlia Variabilis*). *Photon: Jurnal Sain Dan Kesehatan*, 5(2), Pp.1-7.
- Hermawan, R., Yafila, M. 2017. Pengaruh Plat Grafit dan Tembaga Terhadap Kinerja Proses Pengolahan Proses Pengolahan Limbah Cair Industri Batik Yang Mengandung Logam Zn Menggunakan Metode Elektrolisis. *Jurnal Teknik Lingkungan*, 23(1),13-21
- Horikoshi, K. 1999. Alkaliphiles: some applications of their products for biotechnology. *Microbiology and Molecular Biology Review* . 63:735- 750.

- Isminingsih, L. Djufri, Rasjid. 1982. *Pengantar Kimia Zat Warna*. Institut Teknologi Tekstil, Bandung.
- Jain, R., Gupta, V.K., Sikarwar, S. 2010. Adsorption and desorption studies on hazardous dye Naphthol Yellow S S. *Journal of Hazardous Materials*. 182, 749–756. <https://doi.org/10.1016/j.jhazmat.2010.06.098>
- Joseph, E.I. 2007. Wastewater treatment in the textile industry. *Pakistan Textile Journal*, 10, pp.60-66.
- Kabbout, R.Taha, S.2014. Biodecolorization of textile dye effluent by biosorption on fungal biomass materials. *Physics Procedia*, 55, pp.437-444.
- Kandelbauer, A., Guebitz, G. M. 2005. Bioremediation for the decolorization of textile dyes--a review. In E. Lichtfouse, J.Schwarzbauer, & D. Robert (Eds.), *Environmental chemistry* (pp.269---288).
- Kant,R. 2012. Textile dyeing industry an environmental hazard. *Natural Science*. 4(1). 22-26
- Kaushik, P., Malik, A. 2015. Mycoremediation of synthetic dyes:An insight into the mechanism, process optimization And reactor design. In S. N. Singh (Ed.), *Microbial degradation of synthetic dyes in wastewaters* (pp. 1-25). Cham: Springer.
- Kaushik, P.Malik, A., 2010. Alkali, thermo and halo tolerant fungal isolate for the removal of textile dyes. *Colloids and Surfaces B: Biointerfaces*, 81(1), pp.321-328.
- Khalik, W. F., Ho, L. N., Ong, S. A., Wong, Y. S., Yusoff, N. A., Ridwan, F. 2015. Decolorization and mineralization of batik wastewater through solar photocatalytic process. *Sains Malaysiana*, 44(4), 607-612.
- Kudalkar, P.S. 2016. *Physiological characteristics of fungi associated with antarctic environments* (Doctoral dissertation, Montana State University-Bozeman, College of Agriculture).
- Kumar, V.V., Kirupha, S.D., Periyaraman, P.,Sivanesan, S., 2011. Screening and induction of laccase activity in fungal species and its application in dye decolorization. *African Journal of Microbiology Research*, 5(11), pp.1261-1267.
- Miyauchi, S., Navarro, D., Grisel, S., Chevret, D., Berrin, J.G. and Rosso, M.N., 2017. The integrative omics of white-rot fungus *Pycnoporus coccineus* reveals co-regulated CAZymes for orchestrated lignocellulose breakdown. *PloS one*, 12(4), p.e0175528.

- Kumari, M., Shah, M.P., Cameotra, S.S., 2016. Bioremediation of Remazol Black B by newly isolated *Bacillus endophyticus* LWIS strain. *Advances in Biotechnology & Microbiology*, 1(4), pp.83-89.
- Kurtzman, C.P., Boekhout, T., Robert, V., Fell, J.W., Deak, T. 2003. *Methods to identify yeasts*. In: Boekhout T, Robert V (Ed), *Yeasts in Food: Beneficial and detrimental aspects*. Hamburg: B. Berhr's Verlag GmbH and Co. KG. pp.69-121.
- Kurtzman, C.P., Fell, J.W. 2006. Yeast systematics and phylogeny – implications of molecular identification methods for studies in ecology. In Rosa, C. & G. Peter (ed.). 2006. *The yeast handbook: Biodiversity and ecophysiology of yeasts*. Springer-Verlag, Berlin, pp. 11-30.
- Lakshmi, K.M.S., Soumya, P.S., Shaji, A. and Nambisan, P., 2017. *Lenzites elegans* KSG32: a novel white rot fungus for synthetic dye decolourization. *Journal of Bacteriology & Mycology. Open Access*, 5, p.00138.
- Landeweert R, Leeftang P, Kuyper TW, Hoffland E, Rosling A, Wernars K., Smit E. 2003. Molecular identification of ectomycorrhizal mycelium in soil horizons. *Applied and Environmental Microbiology*, 69: 327-333.
- Leal, A. N. R., de Lima, A. D. C. A., dos Anjos Azevedo, M. G. F., do Nascimento Santos, D. K. D., Zaidan, L. E. M. C., de Lima, V. F., & Cruz Filho, I. J. 2021. Removal of Remazol Black B dye using bacterial cellulose as an adsorbent. *Scientia Plena*, 17(3).
- Leal, C.C., da Rocha, O.R.S., Duarte, M.M., Dantas, R.F., da Motta, M., de Lima Filho, N.M., da Silva, V.L., 2010. Evaluation of the adsorption process of remazol black B dye in liquid effluents by green coconut mesocarp. *Afinidad*, 67(546).
- Dewi, R.S., Rina, S.K., Erni, M. and Yekti, A., 2016. Studi Komparatif Penurunan Warna Limbah Cair Batik Menggunakan *Aspergillus Niger*. *Prosiding Symbion*, pp.269-278.
- Legorreta-Castañeda, A.J., Lucho-Constantino, C.A., Beltrán-Hernández, R.I., Coronel-Olivares, C. and Vázquez-Rodríguez, G.A., 2020. Biosorption of water pollutants by fungal pellets. *Water*, 12(4), p.1155.
- Liu D, Coloe S, Baird R., Pedersen J. 2000. Application of PCR to the identification of dermatophyte fungi. *Journal of Medical Microbiology*, 49:493-497.
- Maheswari, N.U., Komalavalli R. 2013. Diversity of soil fungi from Thiruvapur District, Tamil Nadu, India. *International Journal of Current Microbiology and Applied Sciences*, 2:135-141.

- Manurung, R. Hasibuan, R., Irvan., 2004, *Degradation of azo reactive substance by anaerob-aerob*). *e-USU Repository, Universitas Sumatera Utara*.
- Mazón-Suástegui, J.M., Fernández, N.T., Valencia, I.L., Cruz-Hernández, P. Latisnere-Barragán, H., 2016. 28S rDNA as an alternative marker for commercially important oyster identification. *Food Control*. 66 :205-214.
- McMullan, G., Meehan, C., Conneely, A., Kirby, N., Robinson, T., Nigam, P., Banat, I., Marchant, R. and Smyth, W.F., 2001. Microbial decolourisation and degradation of textile dyes. *Applied microbiology and biotechnology*, 56(1), pp.81-87.
- Möller, E. M, Bahnweg G, Sandermann H. Geiger HH. 1992. A simple and efficient protocol for isolation of high molecular weight DNA from filamentous fungi, fruit bodies, and infected plant tissues. *Nucleic Acids Research*. 22, 6115-6116.
- Munir, E., Rahayu, V., Priyani, N. 2018. Decolorization of batik naphthol dye by local ligninolytic fungal isolates. *Journal of Physics: Conference Series* . Vol. 1116, No. 5. IOP Publishing.
- Pudjaatmaka, A.H. 1986. *Kimia Organik*. Jilid 2. Edisi ketiga. Jakarta: Erlangga.
- Murugesan, K., Nam, I. H., Kim, Y. M., & Chang, Y. S. 2007. Decolorization of reactive dyes by a thermostable laccase produced by *Ganoderma lucidum* in solid state culture. *Enzyme and Microbial Technology*, 40(7), 1662-1672.
- Naja, G., Volesky, B., 2011. The mechanism of metal cation and anion biosorption. In *Microbial biosorption of metals* (pp. 19-58). Springer, Dordrecht.
- Namdhari, B.S., Rohilla, S.K., Salar, R.K., Gahlawat, S.K., Bansal, P. and Saran, A.K., 2012. Decolorization of reactive blue MR, using *Aspergillus* species isolated from textile waste water. *ISCA Journal of Biological Sciences*, 1(1), pp.24-29.
- Nelson, P.E., MORASAS, W. and Toussoun, T.A., 1983. *Fusarium species: an illustred manual for identification* (No. 632.4/N428). The Pennsylvania State University.
- Ning, C., Qingyun, L., Aixing, T., Wei, S. and Youyan, L., 2018. Decolorization of a variety of dyes by *Aspergillus flavus* A5p1. *Bioprocess and biosystems engineering*, 41(4), pp.511-518.
- Ningsih, D.A., 2017. *Uji Penurunan Kandungan BOD, COD, Dan Warna Pada Limbah Cair Pewarnaan Batik Menggunakan Scirpus Grosuss Dan Iris*

Pseudacorus Dengan Sistem Pemaparan Intermittent (Doctoral dissertation, Institut Teknologi Sepuluh Nopember).

- Nurhaedar, N., Fahrudin, F., Syam, N.A. and Talessang, N.H., 2019. Dekolorisasi dan Degradasi Limbah Zat Warna Naftol oleh Jamur dari Limbah Industri Batik. *Jurnal Ilmu Alam dan Lingkungan*, 10(2).
- Nyanhongo, G. S., Gomes, J., Gübitz, G. M., Zvauya, R., Read, J., Steiner, W. 2002. Decolorization of textile dyes by laccases from a newly isolated strain of *Trametes modesta*. *Water Research*, 36(6), 1449-1456.
- Parmar, P.R., 2014. Decolorization of acridine red dye by the fungi *Aspergillus species*. *Journal of Scientific and Innovative Research*, 3(4), pp.454-459.
- Patel, R. and Suresh, S., 2008. Kinetic and equilibrium studies on the biosorption of reactive black 5 dye by *Aspergillus foetidus*. *Bioresource Technology*, 99(1), pp.51-58.
- Pratiwi, D., Indrianingsih, A. W., Darsih, C. 2017. Decolorization and Degradation of Batik Dye Effluent using *Ganoderma lucidum*. In *IOP Conference Series: Earth and Environmental Science* (Vol. 101, No. 1, p. 012034). IOP Publishing.
- Pratiwi, Y., Santoso, G., Waluyo, J. 2014. Ibm Kelurahan Gulurejo (Kawasan Pengrajin Batik) Untuk Mengatasi Masalah Pencemaran Lingkungan Akibat Limbah Cair Batik. *Jurnal Teknologi Technoscientia*. 7, 1 (Aug. 2014), 38–45. DOI:<https://doi.org/10.34151/technoscientia.v7i1.608>.
- Purnama H, Setiati. 2004. Adsorpsi limbah tekstil sintesis dengan jerami padi. *Jurnal Teknik Gelagar*. 15(1): 1-9.
- Rachmawati. 2016. Penghilangan Zat Warna Crystal Violet Menggunakan Metode Gabungan Oksidasi Lanjut Reagen Fenton dan Filtrasi Membran Selulosa Asetat/PEG. Tesis. Institut Teknologi Sepuluh Nopember. Surabaya
- Ranjitha, J., Shalini, P., Anand, M. and Raghavendra, S.G., 2018. Detoxification of Dyes by *Aspergillus niger* isolated from Dye Contaminated Soil Effluent from the sites of Textile Industry. *Research Journal of Chemistry and Environment*. Vol, 22, p.5.
- Rasjid. 1976. *Teknologi Pengelantangan, Pencelupan dan Pencapan*. Institut Teknologi Tekstil, Bandung. Hal 133-135.
- Reisch, M.S., 1996. Asian textile dye makers are a growing power in changing market. *Chemical & Engineering News*, 74(3), pp.10-12.

- Rochma, N., Titah, H.S., 2017. Penurunan BOD dan COD limbah cair industri batik menggunakan karbon aktif melalui proses adsorpsi secara batch. *Jurnal Teknik ITS*, 6(2), pp.F325-F329.
- Ryu, B.H., 1992. Decolorization of azo dyes by *Aspergillus sojae* B-10. *Journal of Microbiology and Biotechnology*, 2(3), pp.215-219.
- Sadhasivam, S., Savitha, S., & Swaminathan, K. (2009). Redox-mediated decolorization of recalcitrant textile dyes by *Trichoderma harzianum* WL1 laccase. *World Journal of Microbiology and Biotechnology*, 25(10), 1733-1741
- Salano, O.A., Makonde, H.M., Kasili, R.W. and Boga, H.I. 2018. Isolation and characterization of fungi from a hot-spring on the shores of Lake Bogoria, Kenya. *Journal of Yeast and Fungal Research*, 9(1), pp.1-13.
- Salem, S.S., Mohamed, A., El-Gamal, M., Talat, M. and Fouda, A., 2019. Biological decolorization and degradation of azo dyes from textile wastewater effluent by *Aspergillus niger*. *Egyptian Journal of Chemistry*, 62(10), pp.1799-1813.
- Saraswathy, N., Shanmugapriya, S., Shakthipriyadarshini, S., Sadasivam, S. and Shanmugaprakash, M., 2010. Decolorization of textile dyes by *Aspergillus tamarii*, mixed fungal culture and *Penicillium purpurogenum*. *Journal of Scientific and Industrial Research*. 69 (2). Pp. 151-153.
- Saratale, R. G., Saratale, G. D., Chang, J. S., & Govindwar, S. P. 2011. Bacterial decolorization and degradation of azo dyes: A review. *Journal of the Taiwan Institute of Chemical Engineers*, 42(1), 138-157.
- Sathiya, M., Periyar, S., Sasikalaveni, A., Murugesan, K. and Kalaichelvan, P.T., 2007. Decolorization of textile dyes and their effluents using white rot fungi. *African Journal of Biotechnology*, 6(4).
- Selim, M.T., Salem, S.S., Mohamed, A.A., El-Gamal, M.S., Awad, M.F. and Fouda, A., 2021. Biological Treatment of Real Textile Effluent Using *Aspergillus flavus* and *Fusarium oxysporium* and Their Consortium along with the Evaluation of Their Phytotoxicity. *Journal of Fungi*, 7(3), p.193.
- Selvam, K., Swaminathan, K., Chae, K. S. 2003, Decolorization of azo dyes and a dye industry effluent by a white rot fungus *Thelephora* sp. *Bioresource Technology* 88, 115-119.
- Sen, S.K., Raut, S., Bandyopadhyay, P. and Raut, S., 2016. Fungal decolouration and degradation of azo dyes: a review. *Fungal Biology Reviews*, 30(3), pp.112-133.

- Setianto, A. I. 2019. Estimasi Loading Rate Dengan Parameter Kadmium (Cd), Kromium (Cr) Dan Tembaga (Cu) Di Industri Batik Kabupaten Bantul (Doctoral Dissertation, Universitas Islam Indonesia).
- Sghaier, I., Guembri, M., Chouchane, H., Mosbah, A., Ouzari, H.I., Jaouani, A., Cherif, A. and Neifar, M., 2019. Recent advances in textile wastewater treatment using microbial consortia. *Journal of Textile Engineering and Fashion Technology*, 5(3), pp.134-146.
- Singh, H. 2006. *Mycoremediation: Fungal bioremediation*. JohnWiley & Sons.
- Singh, R.L., Singh, P.K. and Singh, R.P., 2015. Enzymatic decolorization and degradation of azo dyes—A review. *International Biodeterioration & Biodegradation*, 104, pp.21-31.
- Singh, S.N. ed., 2014. *Microbial degradation of synthetic dyes in wastewaters*. Springer.
- Singh, Z., Chadha, P. 2016. Textile industry and occupational cancer. *Journal of Occupational Medicine and Toxicology*, Vol.11. No.1. Hal 39.
- Singha, I. M., Kakoty, Y., Unni, B. G., Das, J., & Kalita, M. C. (2016). Identification and characterization of *Fusarium* sp. using ITS and RAPD causing fusarium wilt of tomato isolated from Assam, North EastIndia. *Journal of Genetic Engineering and Biotechnology*, 14(1), 99-105.
- Soloman, P.A., Basha, C.A., Velan, M., Ramamurthi, V., Koteeswaran, K. Balasubramanian, N., 2009. Electrochemical degradation of Remazol Black B dye effluent. *CLEAN—soil, air, water*, 37(11), pp.889-900.
- Srinivasan, A., Viraraghavan, T. 2010. Decolorization of dyewastewaters by biosorbents: A review. *Journal of Environmental Management*, 91(10), 1915-1929.
- Suanda, I.W., 2016, August. Karakterisasi morfologis *Trichoderma* sp. isolat JB dan daya antagonisme terhadap patogen penyebab penyakit rebah kecambah (*Sclerotium rolfsii* Sacc.) pada tanaman tomat. In *Prosiding Seminar Nasional MIPA*.
- Sudiana, I. K., Sastrawidana, I. D. K., & Sukarta, I. N. (2018). Decolorization study of remazol black B textile dye using local fungi of *Ganoderma* sp. and their ligninolytic enzymes. *Journal Environmental Science & Technology*. 11(1), 16-22.

- Sudiana, I.K., Sastrawidana, I.D.K. and Sukarta, I.N., 2018. Decolorization study of remazol black B textile dye using local fungi of *Ganoderma* sp. and their ligninolytic enzymes. *Journal Environmental Science & Technology*. 11(1), pp.16-22.
- Sullia, S. B. 2000. *Fungal Diversity and Bioremediation*. Departemen of Microbiology & Biotechnology. Bangalore University, Bangalore.
- Sutejo, A. M., Priyatmojo, A., & Wibowo, A. (2008). Identifikasi morfologi beberapa spesies jamur fusarium. *Jurnal Perlindungan Tanaman Indonesia*, 14(1), 7-13.
- Thangadurai, D., Sangeetha, J., David, M. 2016, *Fundamentals Of Molecular Mycology*. Canada: Apple Academic Press, Inc
- Tian, C-E., Tian, R., Zhou, Y., Chen, Q., Cheng, H. 2013. Decolorization of indigo dye and indigo dye-containing textile effluent by *Ganoderma weberianum*. *African Journal of Microbiology Research*. 7(11): 941-947
- Rohmah, Y.M., Kuswytasari, N.D. and Shovitri, M., 2012. Studi Potensi Isolat Kapang Tanah dari Wonorejo Surabaya dalam Mendegradasi Lignin. *Biologi ITS, Surabaya*.
- Toju, H., Tanabe, A.S., Yamamoto, S., Sato, H., 2012. High-coverage ITS primers for the DNA-based identification of ascomycetes and basidiomycetes in environmental samples. *PloS one*, 7(7), p.e40863.
- Utomo, W.P., Santoso, E., Yuhaneka, G., Triantini, A.I., Fatqi, M.R., Huda, M.F. And Nurfitri, N., 2019. Studi Adsorpsi Zat Warna Naphthol Yellow S Pada Limbah Cair Menggunakan Karbon Aktif Dari Ampas Tebu. *Jurnal Kimia (Journal Of Chemistry)*, Pp.104-116.
- Vantamuri, A.B. and Kaliwal, B.B., 2015. Isolation, screening and identification of laccase producing fungi. *International Journal of Pharma and Bio Sciences*, 6(3), pp.242-250.
- Wesenberg D, Kyriakides I, Agathos SN (2003) White-rot fungi and their enzymes for the treatment of industrial dye effluents. *Biotechnology Advances Journal* 22:161-187
- Wirya, G. N. A. S., Sudiarta, I. P., & Selangga, D. G. W. (2020). Disease severity and molecular identification of banana bunchy top virus, infecting local banana in Bali Island. *Jurnal Perlindungan Tanaman Indonesia*, 24(1), 11-16.
- Moin, S.F., Alfarra, H.Y. and Omar, M.N., 2012. Azo Dyes Decolourisation by ABTS-oxidases (Laccases) from a Fungus from Tropical Tree. *Biosciences*

Biotechnology Research Asia, pp.641-646.

- Hammel, K.E. and Cullen, D., 2008. Role of fungal peroxidases in biological ligninolysis. *Current opinion in plant biology*, 11(3), pp.349-355.
- Hatakka, A., Lundell, T., Hofrichter, M. and Maijala, P., 2003. Manganese peroxidase and its role in the degradation of wood lignin.
- Wong, Y. and Yu, J., 1999. Laccase-catalyzed decolorization of synthetic dyes. *Water research*, 33(16), pp.3512-3520.
- Wulandari, F.Y., Ratnaningtyas, N.I. and Dewi, R.S., 2014. Dekolorisasi limbah batik menggunakan limbah medium tanam *Pleurotus ostreatus* pada waktu inkubasi yang berbeda. *Scripta Biologica*, 1(1), pp.73-77.
- Xiong, X. J., Meng, X. J., Zheng, T. L. 2010. Biosorption of CIDirect Blue 199 from aqueous solution by nonviable *Aspergillus niger*. *Journal of Hazardous Materials*, 175(1-3), 241--246.
- Yadav, A., Yadav, P., Singh, A. K., Sonawane, V. C., Bharagava, R. N., & Raj, A. (2021). Decolourisation of textile dye by laccase: Process evaluation and assessment of its degradation bioproducts. *Bioresource Technology*, 340, 125591.
- Yulita, A., Lestari, S. and Dewi, R.S., 2013. Dekolorisasi Limbah Cair Batik Menggunakan Miselium Jamur yang Diisolasi dari Limbah Baglog *Pleurotus ostreatus*. *Majalah Ilmiah Biologi BIOSFERA: A Scientific Journal*, 30(2), pp.90-95.
- Yulita, A., Lestari, S., & Dewi, R. S. 2013. Dekolorisasi Limbah Cair Batik Menggunakan Miselium Jamur yang Diisolasi dari Limbah Baglog *Pleurotus ostreatus*. *Majalah Ilmiah Biologi BIOSFERA: A Scientific Journal*, 30(2), 90-95.
- Zaoyan, Y., Ke, S., Guangliang, S., Fan, Y., Jinshan, D., & Huanian, M. 1992. Anaerobic-aerobic treatment of a dye wastewater by combination of RBC with activated sludge. *Water Science and Technology*, 26(9-11), 2093-2096.
- Zhao.S., Shamoun,S.F.2006. The effects of culture media, solid substrates, and relative humidity on growth, sporulation and conidial discharge of *Valdensinia heterodoxa*. *Mycological Research* 110(11):1340-1346.
- Zhu, H., Derksen, R.C., Krause, C.R., Fox, R.D., Brazee, R.D. Ozkan, H.E., 2005. Fluorescent intensity of dye solutions under different pH conditions. *Journal of ASTM International*. 2(6).

Zhu, N., Gu, L., Yuan, H., Lou, Z., Wang, L., Zhang, X. 2012. Degradation pathway of the naphthalene azo dye intermediate 1-diazo-2-naphthol-4-sulfonic acid using Fenton's reagent. *Water research*. Vol. 46. No.12, 3859-3867.