

DAFTAR PUSTAKA

1. Sushil, K.; S, Swood; A, Umar; S.K. Mehta: Photocatalytic degradation of Eriochrome Black T dye using well-crystalline anatase TiO₂ nanoparticles. *Journal of Alloys and Compounds* 2013, 581, 392-397.
2. Hamdaoui, O: Mahdi Chiha: Removam of Methylene Blue from Aqueous Solutions by Wheat Bran. *Journal Acta Chim Slov* 2007, 54, 407-418.
3. Safa, Yusra: Biosorption of Eriochrome Black T and Astrazon FGGL Blue using Almond and Cotton seed Oil Cake Biomass in a Batch Mode. *Journal Chemistry Soc Pakistan* 2014, 36(4), 614-623.
4. Canizares, P; F. Martinez; J. Lobato; M. A. Rodrigo: Electrochemically assisted Coagulation of Wasted Polluted with Eriochrome Black T. *Journal Ind English Chemistry Research* 2006, 45, 3474-3480.
5. Benkartoussa; Z. Miada nee; Bellir Karima; Bencheikh, L. Mossaab: Adsorption of Eriochrome Black T (EBT) dye using activated carbon prepared from potato peels. *Journal dos Doctoriales* 2015, 10-13.
6. Kumari, Anuradh: Biodegradation of dyes by Basidiomycetes fungi using HPLC and UV-Visible Spectrophotometer. *Research and Reviews: Journal of Chemistry* 2015, 4(1), 31-42.
7. Kammas; Zuhair A-A; Hala N. Metaeb: A Sequential Separation and Determination of Some Organic Reagent Dyes in Pollutant Samples by Using Cloud Point Extraction Methodology Coupled with Spectrophotometry. *International Journal of Science and Research (IJSR)* 2014, 3(14), 2133-2139.
8. Achmad, R: *Kimia Lingkungan*. Yogyakarta, 2004, 106-107.
9. Safni; D.V. Wellia; Komala, P.S; Reza, A.P: Degradation of yellow-GCN by photolysis with UV-light and solar irradiation using C-N-codoped TiO₂ catalyst, *Journal of Chemical and Pharmaceutical Research* 2015, 7, 11, 306-311.
10. Anggraini, D; Safni; D.V. Wellia; Khoiriah: Degradasi Zat Warna Direct Red 23 dan Direct Violet melalui Proses Ozonolisis dan Fotolisis dengan Sinar UV dan Cahaya Matahari Menggunakan Katalis N-Doped TiO₂. *Jurnal Litbang Industri* 2016, 5, 2, 123-130.
11. Zodi, S; B, Merzouk; O, Potier; F, Lopicque; J.P. Leclerc: Direct red 81 dye removal by a continuous flow electro coagulation/flotation reactor. *Separation and Purification Technology* 2013, 108, 215-222.
12. Melo, R.P.F; E.L. Barros Neto; M.C.P.A . Moura; T.N. Castro Dantas; A.A. Dantas Neto; H.N.M Oliveira: Removal of *Direct Yelooow-27* dye using animal fat and vegetableoil-based surfactant. *Journal of Water Process Engineering* 2015, 7, 196-202.

13. Riyani, J; T. Setyaningtyas; D.W. Dwiasih: Pengolahan limbah cair batik menggunakan fotokatalis TiO_2 -Dopan-N dengan bantuan sinar matahari 2012, 2(5), 581-587.
14. Tuty Emilia; A,M. Amir: Pengaruh Temperatur dan Waktu pada Pengolahan Pewarna Sintetis Procion menggunakan Reagen Fenton. *Jurnal Teknik Kimia Universitas Sriwijaya* 2012, 2(18), 54-61.
15. Safni; U. Loekman; F. Febrianti: Defradasi zat warna sudan I secara sonolisis dan fotolisis dengan penambahan TiO_2 -Anatase. *Journal Riset Kimia* 2008, 164-170.
16. Pinheiro, H.M; E. Thouraud; O. Thomas: Aromatic amines from azo dye reduction: status review with emphasis on direct UV spectrophotometric detection in textile industry wastewaters 2004, 61, 121-139.
17. Repository. Universitas Sumatera Utara. Diakses tanggal 7 November 2016 jam 16.00 WIB.
18. Harichandran, G; S. Prasad: Sonofenton degradation of an azo dye direct red 2016, 29, 178-185.
19. A.L., Underwood; R.A. Day: *Quantitative Analysis*. 4th Edition. Prentice-Hall. Inc 1980, 393-395.
20. Habibie, M. K; A. Hassanzadeh; S. Mahdavi: The effect of operational parameters on the photocatalytic degradation of three textile azo dyes in aqueous TiO_2 suspensions. *Journal of Photochemistry and Photobiology* 2015, 172 (1), 89-96.
21. Safni; F. Sari; Zulfarman; Maizastina: Degradasi Zat Warna *Methanil Yellow* secara Sonolisis dan Fotolisis dengan Penambahan TiO_2 -Anatase. *Jurnal Sains Materi Indonesia* 2007, 11(1), 47-51.
22. Punji, M; A. Anbalagan; R.A. Borner; B.M. Svensson; M. Jonstrup; B. Mattiasson: Degradation of a textile azo dye using biological treatments followed by photo-Fenton oxidation: evaluation of toxicity and microbial community structure. *Chemical Engineering Journal* 2015, 270, 290-299.
23. Forgacs, E; T. Cserhati; G. Oros: Removal of synthetic dyes from wastewaters review. *Environmental International* 2004, 30(7), 953-971.
24. Asl, S.K; S.K. Sadrnezhaad; M.K. Rad; D. Uner: Comparative photodecolorization of red dye by anatase, rutile (TiO_2) and wurtzite (ZnO) using response surface methodology. *Turkish Journal of Chemistry* 2012, 36(1), 121-135.
25. Widiyandari; Hendri; Maman Budiman: Pengaruh Laju Aliran Gas N_2 terhadap Sifat Optik Film Tapis Gan yang Ditumbuhkan dengan Teknik Pulsed Laser Deposition (PLD). *Berkala fisika* 2004, 7(1), 28-34.

26. Asahi, R; Takeshi Ohwaki; Koyu Aoki; Takeshi Morikawa: Visible-Light Photocatalyst- Nitrogen-doped Titanium Dioxide: *Science* 2001, 293-269.
27. Chen, Xiaobo; Burda; Clemens: The electronic origin of the visible-light absorption properties of C-N- and S- doped TiO₂ materials. *J. Am. Chem. Soc*, 2008, 130(15), 5018-5019.
28. Tian-Hua, X.U; Chen-Lu; S. Young; L. Gao-Rong: Band structure of TiO₂ doped with N, C, and B. *Journal Zhejiang Univ Science B* 2006, 7(4), 299-303.
29. Ardiansah; Bayu: Fotokatalisis Zink Oksida (ZnO) yang Dimobilisasi Film untuk Degradasi Senyawa Azo. *Universitas Indonesia*, 2010.
30. Hendayana, S: *Kimia Pemisahan Metode Kromatografi dan Elektroforesis Modern*. PT. Remaja Rosdakarya; Bandung, 2006, 21-25.
31. Nurkomarasari; Risa, E; Yudhapratama; R.A. Fauzi: *Penentuan Kadar Parasetamol dalam Sampel dengan menggunakan Metode Kromatografi Cair Kinerja Tinggi (HPLC)*. Universitas Pendidikan Indonesia, 2010.
32. Gunadi; Natalia: Degradasi Fotokatalitik Zat Warna Remazol Red RB 133 Dalam Sistem TiO₂ Suspensi, Skripsi, FMIPA, Universitas Indonesia, 2008.
33. Neppolian, B, et al: Photocatalytic Degradation Of Reactive Yellow 17 Dye In Aqueous Solution In The Presence Of TiO₂ With Cement Binder, *International Journal Of Photoenergy* 2003, Vol. 5 : 45-49.
34. Yuningrat, N.W; M.V. Oviantari; I Made Gunamantha: Fotodegradasi Senyawa Organik dalam Lindi dengan Menggunakan Katalis TiO₂ Terimobilisasi pada Plat Kaca, *Jurnal Sains dan Teknologi Universitas Pendidikan Ganesha Singaraja Indonesia* 2015, 4(2), 642-654.
35. Saggiaro, Enrico Mendes, et al: Use of Titanium Dioxide Photocatalysis on the Remediation of Model Textile Wastewaters Containing Azo Dyes. *Journal Molecules* 2011, 16, 10370-10386.
36. Attia, A.J; Kadhim, S.H; Hussein, F.H: Photocatalytic Degradation Of Textile Dyeing Wastewater Using Titanium Dioxide and Zinc Oxide, *E-J. Chem* 2008, 5(2), 219-223.
37. Yulianto, Mohammad Endy; Dwi Handayani; Siviani: Kajian Pengolahan Limbah Industri *Fatty Alcohol* dengan Teknologi Fotokatalitik Menggunakan Energi Surya, *Jurnal Teknik Kimia Fakultas Teknik UNDIP Semarang* 2015, 5(3), 1-6.
38. Angraini Deby: Degradasi Zat Warna *Direct Red 23* dan *Direct Violet* melalui Proses Ozonolisis dan Fotolisis dengan Sinar UV dan Cahaya Matahari Menggunakan Katalis N-Doped TiO₂, *Skripsi*, FMIPA, Universitas Andalas, Kota Padang, 2015