

DAFTAR PUSTAKA

- Amran Y, 2015, Pemanfaatan Limbah Plastik Untuk bahan Tambahan Pembuatan Paving Block Sebagai Alternatif Perkerasan Pada lahan Parkir di Universitas Muhammadiyah Metro, TAPAK Vol. 4 No. 2, 125-129.
- Akyol, A.. 2012. Treatment Of Paint Manufacturing Wastewater By Electrocoagulation. Desalination. Vol(285). P. 91-99.
- ACGIH. 1996, Threshold Limit Values for Chemical Substances and Physical Agents. Biological Exposure Indices. American Conference of Governmental Industrial Hygienists
- Aldahdooh A.A.M., JamarahA., Alnuaimi A., Martini I.M., Ahmed R.S.M., 2018. Influence of various plastics-waste aggregates on properties of normal concrete. Journal of Building Engineering.VOL(17). P.13-22.
- Almesfer W., Haigh C., Ingham J. 2012. Waste Paint Asa An Admixture In Concrete. Cement & Concrete Composites. Vol (34). P.627-633.
- Andrade C.L, Miques G, Gomez T. 2012. The Strategy Considers The Waste Management Hierarchy, Settled By The European Waste Directive, and The Integrated Pollution Prevention And Control (Ippc) Philosophy. Both Elements Are Combined, and The IPPC Philosophy is Adapted to The Small and Medium Sized
- Arce, R. , B., Galan A., Coz, A. Andres J.R. Viguri. 2010. Stabilization/Soldification Of An Alkyd Paint Waste By Carbonation Of Waste-Lime Based Formulation. Journal of Hazardous Material. Vol (177). P.428-436.

- Avci H., Ghorbanpoor H., Topcu I.B., Nurbas M. 2017. Investigation And Recycling Of Paint Sludge With Cement And Lime For Producing Lightweight Construction Mortar. *Journal of Environmental Chemical Engineering*. Vol (5), P. 861-869.
- Bank Indonesia, 2018, Pola Pembiayaan Usaha Kecil (PPUK) Industri Paving Block, BANK INDONESIA Direktorat Kredit, BPR dan UMKM, Jakarta.
- Borghi, Del A. Strazza, C. Magrassi, C. Taramasso, A.C. Gallo, M. 2018. Life Cycle Assessment for eco-design of product–package systems in the food industry—The case of legumes. *Sustainable Production and Consumption*. 13: 24-36.
- BSN (Badan Standardisasi Nasional, 1996, SNI 03-0691-1996 Bata Beton (Paving Block)
- Cherubini F., Bargigi S., Ulgiati S. 2009. Life Cycle Assessment (LCA) Of Waste Management Strategies: Landfilling, sorting plant and incineration. *Journal of Energy*. Vol(34). P. 21-23.
- Chindaprasirt, P., Silva, P.D., Sagoe, K.C., Hanjitsuwan, S., 2012, Effect of SiO₂ and Al₂O₃ on the Setting and Hardening of High Calcium Fly Ash-Based on Geopolymer Systems, Department of Civil Engineering, Sustainable Infrastructure Research and Development Center, 4876-4883
- Curran M.A. 1996. *Environmental Life Cycle Assessment*, New York: Mc Graw Hill.
- Datta A., Philip L., 2014. Performance Of A Rotating Biological Contactor Treating VOC Emissions From Paint Industry. *Chemical Engineering Journal*. Vol (251). P.269-284.

- Desak N, Apriani I, Rahardyan B, 2011, Pemanfaatan Limbah Spent Catalyst Sebagai Campuran Paving Block dan Batako (Utilization of Spent Catalyst Waste for Mixed Paving Block and Bricks), *Jurnal Teknik Lingkungan*, Volume 17 Nomor 2, 34-44.
- Evanthia A. Nanaki. Christopher J. Koroneos. 2012. Comparative LCA of the use of biodiesel, diesel and gasoline for transportation. *Journal of Cleaner Production*. Vol.20. P.14-19.
- Fachruddin.2015. Kajian Kemampuan Mutan Bakteri *Pseudomonas Sp* Mendegradasi Benzena Dalam Mikrokosmos Air Tanah. Jurusan Biologi, F.Mipa, Universitas Hasanuddin, Makassar.
- Frigie, H. 2017. Sustainable Chemistry – A Concept With Important Links To Waste Management . *Sustainable Chemistry and Pharmacy*, Vol (6), Tahun 2017 P.57-60
- Fikri. E. 2015. Skenario Pengelolaan Sampah B3 Rumah Tangga (B3 RT) Di Kota Semarang Dengan Menggunakan Pendekatan Life Cycle Assesment (LCA). Program Doktor Ilmu Lingkungan. Sekolah Pasca Sarjana Universitas Diponegoro. Semarang.
- Gad, S.C. 2014. Photochemical Oxidants. *Encyclopedia of Toxicology (Third Edition)*. P. 926-927.
- Gabi, 2011. Handbook For Life Cycle Assessment (LCA) Using The Gabi Software, PE International, Leinfelden-Echterdingen Germany.
- Gross, M. 2017. Our Planet Wrapped in Plastic. *Current Biology*. 27: 785-788.
- Gunawan D., Kadarsah. 2013. Gas Rumah Kaca Dan Perubahan Iklim Indonesia. Puslitbang Badan Meteorologi Klimatologi Dan Geofisika. Jakarta .November.

- Gritter, R.J., J.M. Bobbin dan A.E. Schwarting, 1991. Penerjemah Kosasih Padmawinata. *Pengantar Kromatografi*. Penerbit ITB, Bandung, P.13
- Gravitiani E., Suryanto, Antriyandari E. Willingness to Pay for Climate Change Mitigation: Application on Big Cities in Central Java, Indonesia. *Procedia-Social and Behavioral Science*. 2016. Vol. 227. P417-423.
- Hau C.K., Sculli D., 1991. Cost of Disposal of Sewage Sludge: a Case Study. *Engineering Cost and Production Economic*. Vol(21). P.133-141.
- Hsien H. Khoo, Isoni V., Paul N., Sharrat. 2018. LCI data selection criteria for a multidisciplinary research team: LCA applied to solvents and chemicals. *Sustainable production and consumption*. Vol. 16. P. 68-87.
- Helena, D., P. Valeria, M. Ville, S. Olli, A. Reetta. 2018. Recycling potential of post-consumer plastic packaging waste in Finland. *Waste Management*. Vol.71. P. 52-61.
- Hernadewita, Nizam M, Rahman A, Deros M. 2007. Penanganan Limbah Industri Cat Ditinjau Dari Sisi *Clean Technology* Dalam Manajemen Industri. *Jurnal teknik mesin*. Vol (4).
- IPPC, 2006 IPCC Guidelines for *National Greenhouse gas Inventories*, *Institute for Global Environment Strategist*, Hayama, Japan
- ISO 14044:2006, 2006. Environmental Management- Life Cycle Assessment Principles And Framework. International Standardization Organisation;
- Jadhav, S.U., Jadhav, U.U., Dawkar, V.V., dan Govindwar, S.P. 2008. Biodegradation of Disperse Dye Brown 3REL by Microbial Consortium of *Galactomyces geotrichum*

- TCC 1360 and Bacillus sp. VUS. *Biotechnology and Bioprocess Engineering*. Vol (13). P. 232-239
- Jiranuntipon, S., Chareonpornwattana, S., Damronglerd, S., Albasi, C., Delia, M.L. 2008. Decolorization Of Synthetic Melanoidins-Containing Wastewater by a Bacterial Consortium. *Industrial Microbiology & Biotechnology*. Vol (35), P.1313-1321.
- Kemenperin <https://kemenperin.go.id/download/23369> Laporan Kinerja Kementrian Perindustrian 2015- 2019
- Khan, F. I., Raveender, V., & Husain, T. 2002. Effective environmental management through life cycle assessment. *Journal of Loss Prevention in the Process Industries*. Vol (15). P. 455–466
- Koolivand A., Mazandaranizadeh H., Binavapoor M., Mohammadtaheri A., Saeedi R., Hazardous And Industrial Waste Composition And Associated Management Activities In Caspian Industrial Park, Iran. *Journal Environmental Nanotechnology, Monitoring & Management*, Vol (7), P. 9-14.
- Mayanti, B. , Herto Dwi Ariesyady. 2010. Identification Of Commercial-Seed Bacteria For Paint Liquid Waste Treatment . *Journal of Environmental technic*, Vol (16), No(1), Tahun 2010(4) P. 52-61.
- Marwan M, Supriani F, Afrizal Y, 2017, Pengaruh Penggantian SEbagian Semen Dengan Abu Terbang (Fly Ash) dan Abu Cangkang Lokan terhadap Kuat Tekan Paving Block, *Jurnal Inersia*, Vol.9, No.1, 1-8.
- Marfe, G. Stefano, D.C. 2016. The Evidence of Toxic Waste Dumping in Campania, Italy. *Critical Reviews in Oncology/ Hematology*. Vol (105). P. 84-91.

- Massana L.P., Farreny R., Sola J.O. 2015. Are Cradle To Cradle Certified Products Environmentally Preferable? Analysis From An LCA Approach. *Journal Cleaner Production*. Vol (93). P. 243-250.
- Mohamed F.A., Rasnan I.M., Othman A.N., Idrus S., Taha R.M., 2017. Understanding Waste Flow in Malaysian Cities for Sustainable Waste Management *Journal Of Material Cycles and Waste Management*. P. 389-400.
- Mohamed K., Mostafa., Robert W., Peters. 2017. Reuse Paint Wastewater In The Manufacture Of Cement Bricks And Tiles. *Journal Of Material Cycles and Waste Management*. Vol(19). P. 840-850.
- Narumi. D, Kondo. A, Shimoda Y.2009. The effect of the increase in urban temperature on the concentration of photochemical oxidants. *Atmospheric Environment*. Vol. 43. P. 2348-2359.
- Intelligent.M, 2018. Industrial Packaging Market - Segmented by Type of Packaging (Intermediate Bulk Containers (IBCs), Sacks, Drums), End-User Vertical (Agriculture, Automotive, Manufacturing), and Region - Growth, Trends, and Forecast (2018-2023) <https://www.mordorintelligence.com/industry-reports/industrial-packaging-market?>
Diakses tanggal 27 April 2018
- Isworo, S. 2015. Bioremediasi Pestisida Organophospat (Malathion Dan Profenofos) Oleh Bakteri Indigenus Terseleksi Dari Perairan Rawa Pening Kabupaten Semarang. Program Doktor Ilmu Lingkungan. Sekolah Pasca Sarjana Universitas Diponegoro. Semarang.

- Morrissey J.A, Browne J. 2004. Waste Management Models And Their Application To Sustainable Waste Management. Waste Management Vol (24). P. 297–308.
- Nicholas P. Cheremisinoff, Paul E. Rosenfeld, 2010. [Handbook of Pollution Prevention and Cleaner Production](#),
- Nuno Couto, Valter Silva, E.Monteiro, A. Rouboa. 2013. Hazardous Waste Management In Portugal. Terra Green 13 International Conference. Energy Procedia Vol (36). P. 607-611.
- Nurhayati, N. 2013. Pencemaran Lingkungan. CV. Yrama Widya. Bandung.
- Ocel S.M., Bektas N, Bayar S, Engin G, Caliskan Y, Salar L, Yetis U. 2017 Hazardous wastes and waste generation factors for plastic products manufacturing industries in Turkey. Sustainable Environment Research. Vol (27). P. 188-194.
- Ordouei H.M & Elkamel A. 2017. New Composite Sustainability Indices For Cradle-To-Cradle Process Design: Case Study On Thinner Recovery From Waste Paint In Auto Industries. Journal of Cleaner Production. Vol(166). P. 253-262.
- Padhi K.S, Gokhale S., 2016. Benzene Control From Waste Gas Streams With A Sponge-Medium Based Rotating Biological Contactor. Internasional Bioderiation & Biodegradation. Vol (109). P. 96-103.
- Padhi K.S, Gokhale S., 2017. Benzene Biodegradation By Indigenous Mixed Microbial Culture: Kinetic Modeling And Process Optimization. Internasional Bioderiation & Biodegradation. Vol(119). P.511-519.
- Purwanto Y.A. 2009. Life Cycle Assesment Approach Of Solid Waste Management: Case Study In Bogor City, West Java. Center For Environmental Research. Institut Pertanian Bogor. Bogor. Working Paper No. 15, 2-9.

- Purwanto P. 2004. Permodelan Rekayasa Proses dan Lingkungan. Program Studi Ilmu Lingkungan . Program Pascasarjana Universitas Diponegoro.
- Purwanto P, 2003, Strategi Pencegahan Pencemaran Melalui Penerapan Produksi Bersih, 2003, Seminar Nasional Kimia dan Pendidikan Kimia UNNES, Semarang
- Purwanto P, 2013, Teknologi Produksi Bersih, BP Undip, Semarang
- Rao N.M., Sultana R., Kota H.S., 2017. Soil Remediation Technologies. Soild Hazardous Waste Management. P. 243-260.
- Ross, S., & Evans, D.2002. Use of life cycle assessment in environmental management. Environmental Management, Vol (29). P.132–142.
- Said A.M. , O.I. Quiroz, D.W. Hatchett, M. Elegawady.2016. Latex-Modified Concrete Overlays Using Waste Paint. Construction and Building Material. Vol(123), P. 191-197.
- Saft J.R. 2007. Life Cycle Assessment Of A Pyrolysis/Gasification Plant For Hazardous Paint Waste. The International Journal of Life Cycle Assessment. Juni 2007.
- Salihoglu G& Salihoglu K.N. 2015. A Review On Paint Sludge From Automotive Industries: Generation, Characteristics And Management. Journal of Environmental Management, Vol (169), Tahun 2016(4) P. 223-235.
- Setiawan, B. 2003. Konsep Dasar Dan Prinsip-Prinsip Pengelolaan Lingkungan Hidup. Dalam Kursus Penyusunan Upaya Pengelolaan Lingkungan Hidup Dan Upaya Pemantauan Lingkungan Hidup(UKL-UPL). Yogyakarta: Pusat studi Lingkungan Hidup Ugm (PSLKH UGM) Dan Kementrian Lingkungan Hihidup (KLH).

Shu Z., Axe L., Jahan K., Kandalam V., Ramanujachary, Kochersberger. 2015. Metal concentrations and distribution in paint waste generated during bridge rehabilitation in New York State. *Science of The Total Environment*. Vol(526). P. 262-270.

Standar Nasional Indonesia SNI 03-0691-1996 Bata Beton (*Paving Block*)

Soldal, E. and Modahl, I.S., 2016, *Greenhouse gas protocol Scope 3 reporting*, Borregaard, Europe.

Strategic Eia For The Dutch National Hazardous Waste Management Plan. Life Cycle Assessments For Waste, Part I: Overview, Methodology and Scoping Process. *Journal Of Material Cycles and Waste Management*. Vol (4). P. 275-281.

Silva V.R., Brito de J., Saika N., 2013. Influence of curing conditions on the durability-related performance of concrete made with selected plastic waste aggregates. *Cement and Concrete Composites*. Vol (35). P. 23-31.

Siracusa, V. Marco, D. Rosa. 2018. 8- Sustainable Packaging. *Sustainable Food System From Agriculture to Industry*. Academic Press. P. 275-307.

Sudarno.2015. Daur Ulang Material Lapis Perkerasan Jalan Sebagai Upaya Mengurangi Konsumsi Energi. Program Doktor Ilmu Lingkungan. Sekolah Pasca Sarjana Universitas Diponegoro. Semarang.

Wijayana N. 2014. Ilmu Lingkungan. Edisi 2. Graha Ilmu. Yogyakarta.2014.

Nasution, P. Wilda. 2019. Analisis Kadar Gas Ozon di Udara Ambien pada Salah Satu Perusahaan Container di Belawan dengan Metode Spektrofotometri Sinar Tampak, Universitas Sumatera Utara.

Yi Liu, Kong, F. Ernesto. Gonzales, S. 2017. Dumping, waste management and ecological security: Evidence from England. *Journal of Cleaner Production*. Vol (167). P. 1425-1437.

Zeng D., Cao H, Jafar S., Tan Y., Su S. 2018. A Life Cycle Ecological Sensitivity Analysis Method for Eco-Design Decision Making of Machine Tool. 25th CIRP Life Cycle Engineering (LCE) Conference, 30 April – 2 May 2018, Copenhagen, Denmark.