

DAFTAR PUSTAKA

- Alamsjah, M.A., L. Sulmartiwi, K.T. Pursetyo, M.N.G. Amin, K.A.K. Wardani, and M.D. Afrianto. 2017. Modifying Bioproduct Technology Of Medium Density Fibreboard from The Seaweed Waste *Kappaphycus alvarezii* and *Gracilaria verrucosa*. *Journal of the Indian Academy of Wood Science*. Springer India, 14(1), pp. 32–45.
- Alba, K. and V. Kontogiorgos. 2018. Seaweed Polysaccharides (Agar, Alginate Carrageenan). Reference Module in Food Science. Elsevier, pp 1 - 11.
- Ali, M.R., M. Maslehuddin, M. Shameem, and M.S. Barry. 2018. Thermal - Resistant Lightweight Concrete With Polyethylene Beads as Coarse Aggregates. *Journal of Construction and Building Materials*. Elsevier Ltd, 164, pp. 739–749.
- Ariani, N.M., H.B. Cahyono, dan R. Yulastuti. 2015. Pemanfaatan Limbah Alkali Industri Rumput Laut Dan Limbah Pickling Industri Pelapisan Logam Sebagai Pupuk Anorganik. *Jurnal Riset Industri*, 9(1), pp. 39–48.
- Bajare, D., Kazjonovs, J. and Korjakins, A. 2013. Lightweight Concrete with Aggregates Made by Using Industrial Waste. *Journal Of Sustainable Architecture And Civil Engineering*. 4(5), pp. 67–73.
- BeMiller, J.N. 2019. Cellulose and Cellulose-Based Hydrocolloids. *Journal of Carbohydrate Chemistry for Food Scientists*, pp. 223–240.
- Bilo, F., Stefano P, Luciana S, Laura. E. D, Giovanna G, Andrea B, Stefania F, and Elza B. 2018. A Sustainable Bioplastic Obtained From Rice Straw. *Journal of Cleaner Production*. Elsevier Ltd, 200, pp. 357–368.
- Budiarto, A. and Purwanto, A. (2016). Pemanfaatan Serutan Karet Ban Bekas Sebagai Substitusi Pasir Silika Pada CLC (*Cellular Lightweight Concrete*), *Jurnal Riset Teknologi Pencegahan Pencemaran Industri*, 7(1), p. 23.
- Chen, C., Dengfeng Y, Gongyuan Z, Baosheng D, Wei T, Lei S, Ye S, Flemming B, and Miao Y. 2016. Three-Dimensional Scaffolding Framework Of Porous Carbon Nanosheets Derived From Plant Wastes For High-Performance Supercapacitors *Journal of Nano Energy*. Elsevier, 27, pp. 377–389.
- Dai, L., Ting C, Chao D, Wei Z, Weipeng Z, Xuejun Z, Joseph A, and Yonghao Ni. 2019. 3D Printing Using Plant-Derived Cellulose And Its Derivatives: A Review. *Journal of Carbohydrate Polymers*. Elsevier, 203, pp. 71–86.
- Dove, C. A., Fiona F. B, and Siddarth V. P. 2016. Seaweed Biopolymers As Additive For Unfired Clay Bricks. *Journal of Materials and Structures*, 49(11), pp. 4463–4481.
- FAO. 2018. *FAO Yearbook. Fisheries and Aquaculture Statistics 2016*. FAO. Roma.

- Fanjul, F. A., Antonio. J. T. A, and Francisco. B. B. 2018. A New Methodology For Determining Water Absorption Of Lightweight, Normal-Weight And Heavyweight Aggregates In A Viscous Medium. *Journal of Construction and Building Materials*, Elsevier. 165, pp. 596–607.
- Gunawan, P., Sunarmasto dan Andi D.W. 2014. Studi Kuat Tekan, Kuat Tarik Belah, Dan Modulus Elastisitas Beton Ringan Teknologi Foam Dengan Bahan Tambah Serat Polyester, *Jurnal Matriks Teknik Sipil*, 3, pp. 619–627.
- Hakim, L., Yulianto. P, Prihatmaji, Andik. Y, Davis . W, Aji. W, dan Billy A. 2010. Produksi Panel Dinding Bangunan Tahan Gempa dan Ramah Lingkungan dari Limbah Bahan Berbahaya dan Beracun Industri Minyak dan Gas. *Jurnal Sains dan Teknologi Lingkungan*, 2(2), pp. 97–110.
- Hardianto, R., E. Sutandar, dan A. Supriyadi. 2016. Studi Eksperimental Pembuatan Bata Ringan Foam Agent (Busa) Dengan Variasi Pemakaian Air, pp. 1–10.
- Harini, K., K. Ramya, and M. Sukumar. 2018. Extraction of Nano Cellulose Fibers from The Banana Peel and Bract for Production of Acetyl and Lauroyl Cellulose. *Journal of Carbohydrate Polymers*. Elsevier, 201(July), pp. 329–339.
- Haryanti, N.H. 2017. Kuat Tekan Bata Ringan dengan Campuran Abu Terbang PLTU Asam-Asam Kalimantan Tengah. *Jurnal Fisika Flux*, 11(2), pp. 20–30.
- Helepciuc, C, Marinela. B, and Adrian. A. S. 2018. Characterization Of A Lightweight Concrete With Sunflower Aggregates. *Journal of Procedia Manufacturing*. Elsevier B.V., 22, pp. 154–159.
- Huang, H., Yujie. Y, Wei. Z, and Zichen. G. 2019. Bond Behavior Between Lightweight Aggregate Concrete And Normal Weight Concrete Based On Splitting-Tensile Test. *Journal of Construction and Building Materials*. Elsevier Ltd, 209, pp. 306–314.
- Hunggurami, E., W. Bunganaen., dan R.Y. Muskanan. 2014. Studi Eksperimental Kuat Tekan dan Serapan Air Bata Ringan Cellular Light Weight Concrete dengan Tanah Putih Sebagai Agregat. *Jurusan Teknik Sipil. FST Undana*, 3(2), pp. 125–136.
- Jitchaiyaphum, K., T. Sinsiri, and P. Chindapasirt. 2011. Cellular Lightweight Concrete Containing Pozzolan Materials. *Journal of Procedia Engineering*. Elsevier B.V., 14, pp. 1157–1164.
- Kusriningrum, R.S. (2008). *Perancangan Percobaan*. Ailangga University Press. Surabaya.
- Labidi, K., Oona. K, Montassar. Z, Ahmed. H. H, and Tatiana. B. 2019. All-Cellulose Composites From Alfa And Wood Fibers. *Journal of Industrial Crops and Products*. Elsevier, 127, pp. 135–141.
- Liu, X., Kok. S. C, and Min. H.Z. 2011. Water Absorption, Permeability, And

- Resistance To Chloride-Ion Penetration Of Lightweight Aggregate Concrete. *Journal of Construction and Building Materials*. Elsevier Ltd, 25(1), pp. 335–343.
- Milledge, J.J., B. Smith., P.W. Dyer, and P. Harvey. 2014. Macroalgae -Derived Biofuel: A Review of Methods of Energy Extraction from Seaweed Biomass. *Energies*, 7(11), pp. 7194–7222.
- Modestus., E. Sutandar, dan E. Samsurizal. 2015. Uji Individu Bata Ringan dengan *Foam Agent* Berdasarkan Variasi Ukuran Pasir, pp. 1–6.
- Nugroho, F. I. 2009. Konduktifitas dan Ketahanan Api Batako Papercrete Sebagai Material Dinding Bangunan. pp. 1–10.
- Onoue, K., H. Tamai., and H. Suseno. 2015. Shock - Absorbing Capability of Lightweight Concrete Utilizing Volcanic Pumice Aggregate. *Journal of Construction and Building Materials*. Elsevier Ltd, 83, pp. 261–274.
- Pah, J.J.S., D.W. Karels, dan M.F.P I. Herat. 2018. Kehematan Biaya Material Akibat Penggunaan Bata. *Jurnal Teknik Sipil*, VII(1), pp. 93–104.
- Prapto, P dan B. Haryadi. 2017. Pasangan Dinding Bata Ringan dengan Pasangan Bata Merah. *Jurnal INERSIA*, 13, pp. 27–40..
- Prasetyaningsih, E. 2017. Pengaruh Konsentrasi Peracetic Acid Pada Proses Pemucatan Semi-Refined Carrageenan dari Rumput Laut *Kappaphycus alvarezii*. Skripsi. Institut Pertanian Bogor.
- Pratama, W.A., R. Anggraini, A. Zacoeb, dan E. Wahyuni S. (2015). Perbandingan Kuat Tekan dan Tegangan-Regangan Bata Beton Ringan dengan Penambahan Mineral Alami Zeolit Alam Tertahan Saringan No.80 (0,180mm) dan Tertahan Saringan No.200 (0,075mm). *Jurnal Rekayasa sipil*, 9(80), pp. 243–250.
- Rasheed, M.A. and S.S. Prakash. 2018. Behavior of Hybrid - Synthetic Fiber Reinforced Cellular Lightweight Concrete Under Uniaxial Tension – Experimental and Analytical Studies. *Journal of Construction and Building Materials*. Elsevier Ltd, 162, pp. 857–870.
- Ren, Y., Zhengpeng. Y, Qiau. H, and Zheng. R. 2018. Constitutive Model And Failure Criteria For Lightweight Aggregate Concrete: A True Triaxial Experimental Test. *Journal of Construction and Building Materials*. Elsevier Ltd, 171, pp. 759–769.
- Sari, D. N. 2018. Uji Kuat Tekan Dan Daya Serap Air Bahan Konstruksi Batako Dan Bata Ringan Hasil Industri Lokal. Tugas Akhir. Politeknik Negeri Balikpapan. Balikpapan.
- Shafigh. P., Mohd. Z. J, Hilmi. B. M, and Norjidah. A. A. H. 2012. Lightweight Concrete Made From Crushed Oil Palm Shell: Tensile Strength And Effect Of Initial Curing On Compressive Strength. *Journal of Construction and Building Materials*. Elsevier Ltd, 27(1), pp. 252–258.

- Stolz, J., Y. Boluk, and V. Bindiganavile. 2018. Mechanical, Thermal and Acoustic Properties of Cellular Alkali Activated Fly Ash Concrete. *Journal of Cement and Concrete Composites*. Elsevier Ltd, 94, pp. 24–32.
- Suganya, A.M., M. Sanjivkumar, M.N. Chandran, A. Palavesam, and G. Immanuel. 2016. Pharmacological Importance of Sulphated Polysaccharide Carrageenan from Red Seaweed *Kappaphycus Alvarezii* in Comparison with Commercial Carrageenan. *Journal of Biomedicine and Pharmacotherapy*. Elsevier Masson SAS, 84, pp. 1300–1312.
- Vanitjinda, G., T. Nimchua, and P. Sukyai. 2019. Effect of Xylanase - Assisted Pretreatment on The Properties of Cellulose and regenerated cellulose films from Sugarcane Bagasse. *Journal of Biological Macromolecules*. Elsevier B.V, 122, pp. 503–516.
- Wang, X. F, Fang. C, Kuang. W. Q, Li. D. W, Han. N. X, and Xing. F. 2017. Experimental Investigation On The Compressive Strength And Shrinkage Of Concrete With Pre-Wetted Lightweight Aggregates. *Journal of Construction and Building Materials*, Elsevier, 155, pp. 867–879.
- Zhang, S. and S. Zhao. 2018. The Deep Processing of Seaweed Industrial Waste--Influence of Several Fermentation on Seaweed Waste of Feed. *Journal of Earth and Enviromental Science*, 113, pp. 1–5.