



“Pembentukan Struvite Dari Limbah Cucian Garam Industri Menggunakan Reaktor Kolom Bersekat Miring”

DAFTAR PUSTAKA

- Adam 2021, *Handbook Of Mineralogy*, pp. 152-155, DK Publishing, New York
- Agustinah 2016, ‘Pengaruh pH dan Temperature terhadap Pembentukan Struvite dari Urine Manusia’, *Jurnal Teknik Kimia, Vol.2, No.2*
- Ariyanto E 2015, ‘Impact Of Various Phsycochemical Parameters On Spontaneous Nucleation Of Struvite Formation In Wastewater Treatment Plant: Kinetic and Nucleation Mechanism’, *Desalination and Watertreatment, Vol. 52, No.34-36, hh. 620-631*
- Ariyanto, E 2014, ‘The Influence Of Various Physicochemical Process Parameters On Kinetic and Growth Mechanism Of Struvite Crystallisatio’, *Advance Powder Technology, Vol. 25, No. 2, hh.682-694*
- Babic, I 2016, ‘Precipitation diagrams of struvite dissolution kinetics of different struvite morphologies’, *Croatica Chemica Acta, No. 75, hh. 89-106*
- Bing 2018, ‘Fosfatous Recovery Through *Struvite* Crystallization: Challenges for Future Design’, *Science of the Total Environment, hh.6*
- Corre, K 2017, ‘Agglomeration of Struvite Crystal’, *Water Research, Vol. 412, No. 3. hh. 419–425.*
- Demeestere, K 2019, ‘Optimalisation of Magnesium Amonium Fosfatprecipitation and its Applicability to the Removal of Amonium’, *Environmental Technology, Vol. 22, No. 12. hh. 1419-1428*
- Edahwati, Luluk 2018 ‘Kinetics Analysis of Synthesis Reaction of *Struvite* with Air-Flow Continous Vertical Reactors’, *Journal of Physics: Conference Series. hh. 3*
- Edahwati, Luluk 2021, ‘The Formation of Struvite Fertilizer from Tempeh Industrial Wastewater by Aeration Process’, *Jurnal Teknologi Lingkungan, Vol. 22, hh. 215-221*
- Effendy, M & Heriyanto, A 2014, *Garam Rakyat*, Universitas Trunojoyo PRESS, Madura



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- Emawati, E & Idar, I 2017, ‘Analisis Kandungan Fosfor (P) Dalam Dua Varietas Kubis (*Brassica oleracea*) di Daerah Lembang Bandung’, *Indonesian Journal of Pharmaceutical Science and Technology*, vol. 1, No. 1, hh. 9-14
- Fitriana, AR & Warmadewanthi, IDDA 2016, ‘Penurunan Kadar Amonium dan Fosfat pada Limbah Cair Industri Pupuk’, *Jurnal Teknik Lingkungan*, Vol.5, No.2, hh. 107
- Jones, A.G 2015, *Crystallization process system*, Butterworth/ Heinemann, London (UK).
- Kabdasli, I 2017, ‘Effect of major ions on induction time of struvite precipitation’, *Croatica Chemica Acta*, Vol. 79, No. 2, hh. 243-250
- Kristell, S 2015, *Understanding Struvite Crystallisation and Recovery*, Cranfield University PRESS, United Kingdom
- Liu, J 2019, ‘Recovery of Fosfat and Amonium as Struvite from Semiconductor Wastewater’, *Separation and Purification Technology*, Vol. 64, No. 1-3. Hal. 368- 373.
- Mc. Cabe, Warren L, 2005, *Unit Operations of Chemical Engineering, Seventh Edition* , pp. 929- 935, Mc Graw-Hill Book Co, Singapore
- Muryanto 2017, ‘On precipitation of struvite ($MgNH_4PO_4 \cdot 6H_2O$)’, *Journal of Science and Science Education*, Vol. 1, No. 2, hh. 23-25
- Nelson, Saksono 2014, ‘Studi Pengaruh Proses Pencucian Garam Terhadap Komposisi Dan Stabilitas Yodium Garam Konsumsi’, *Jurnal Jurusan Teknik Gas Dan Petrokimia, Fakultas Teknik, Universitas Indonesia*, Vol. 6, No.1
- Ohlinger, K.N 2018, ‘Kinetics Effects On Preferential Struvite Accumulation In Wastewater’, *Journal Of Enviromental Engineering*, Vol. 125, No. 8, hh. 730-737
- Primasella 2020, ‘Sintesa Limbah Biogas Sebagai Bahan Pembentuk Struvite Menggunakan Reaktor Sekat Secara Sinambung’, *Seminar Naional Teknik Kimia Soebardjo*, hh. 3



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-
- Rahman, M 2016, ‘Effects Of Various Process Parameters On Struvite Precipitation Kinetics’, *Wat.Sct.Tech, Vol.57, No. 5, hh. 647-654*
- Septiani, Herdiana 2020, ‘Magnesium Recovery of Struvite Formation Based on Waste Salts (Bittern) with a Bulkhead Reactor’, *International Journal of Eco-Innovation in Science and Engineering*
- SN1 3556: 2010, *Garam konsumsi beryodium*, Badan Standarisasi Nasional, Jakarta
- Setiabudi, Agus 2016, *Karakterisasi Material Prinsip dan Aplikasinya dalam Penelitian Kimia*, Universitas Pendidikan Indonesia PRESS, Jakarta
- Suguna, K 2014, ‘Growth, spectral, structural and mechanical properties of struvite crystal grown in presence of sodium fluoride’, *Bull. Mater. Sci, Vol. 35, No. 4, hh. 195-200*
- Sumada, K, Dewati, R, & Suprihatin 2016, ‘Garam Industri Berbahan Baku Garam Krosok Dengan Metode Pencucian Dan Evaporasi’, *Jurnal Teknik Kimia Vol. 11, No.1*
- Susilawati 2019, *Dasar-Dasar Bertanam*, Universitas Sriwijaya PRESS, Palembang
- Sutiyono & Edahwati, L 2017. ‘*Synthesis of Struvite using a Vertical Canted Reactor with Continuous Laminar Flow Process*’, *J. Phys.: Conf. Ser. 953 012244*
- Sutiyono 2020, ‘Pengolahan Bittern Sebagai Pembentuk Pupuk Struvite Menggunakan Reaktor Sekat Secara Sinambung’, *Jurnal Metalurgi dan Material Indonesia, Vol.2, No.2, hh. 84-89*
- Thareq 2020, ‘Mineral Struvite dari Batuan Dolomit dengan Reaktor Kolom Sekat’, *Jurnal Teknik Kimia, Vol.14, No.3*
- Valero, Camargo 2021, ‘Influence of pH and Temperature on Struvite Purity and Recovery from Anaerobic Digestate’, *Journal Enviromental Engineering*
- Wang, J 2016, ‘Effect of Seeding Materials and Mixing Strength on Struvite Precipitation’, *Water Environmental Research, Vol. 78. hh. 125–132*
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“Pembentukan Struvite Dari Limbah Cucian Garam Industri Menggunakan Reaktor Kolom Bersekat Miring”

Yuliasuti, R & Cahyono, H.B 2020, ‘Pemanfaatan Limbah Cair Cucian industri Garam Sebagai $Mg(OH)_2$ ’, *Jurnal Teknologi Lingkungan*, Vol. 21, No.2