

DAFTAR PUSTAKA

- Adnan, A. (2002). *Pilot Scale Study of Phosphorus Recovery Through Struvite Crystallization* (Issue July). University British Columbia.
- Ahn, Y. (2006). *Sustainable Nitrogen Elimination Biotechnologies: A review. Process Biochemistry*, 41, 1709–1721.
<https://doi.org/10.1016/j.procbio.2006.03.033>
- Banerjee, P., Singh, M., & Sharma, V. (2015). Biofilm Formation: A Comprehensive Review. *Pharma Research and Health Sciences*, 3 (2)(July), 556–560.
- Bertino, A. (2010). *Study On One-Stage Partial Nitritation-Anammox Process In Moving Bed Biofilm Reactors: A Sustainable Nitrogen Removal*. Royal Institute of Technology.
- Booker, N. A., Priestley, A. J., & Fraser, I. H. (1999). *Struvite Formation in Wastewater Treatment Plants: Opportunities for Nutrient Recovery. Environmental Technology (United Kingdom)*, 20(7), 777–782.
<https://doi.org/10.1080/09593332008616874>
- Campos, J. L., Crutchik, D., Franchi, Ó., Pavissich, J. P., Belmonte, M., Pedrouso, A., Mosquera-Corral, A., & Val del Río, Á. (2019). *Nitrogen and Phosphorus Recovery From Anaerobically Pretreated Agro-Food Wastes: A Review*. In *Frontiers in Sustainable Food Systems* (Vol. 2, p. 91). Frontiers Media S.A.
<https://doi.org/10.3389/fsufs.2018.00091>
- Çelen, I., & Türker, M. (2001). *Recovery of Ammonia as Struvite from Anaerobic Digester Effluents. Environmental Technology (United Kingdom)*, 22(11), 1263–1272. <https://doi.org/10.1080/09593332208618192>
- Cema, G. (2010). *Comparative Study on Different Anammox Systems* (Issue January 2009). Silensia University of Technology.
- Dexiang, L., Xiaoming, L. I., Qi, Y., Guangming, Z., Liang, G. U. O., & Xiu, Y. U. E. (2008). *Effect of Inorganic Carbon on Anaerobic Ammonium Oxidation Enriched in Sequencing Batch Reactor. Journal of Environmental Sciences*,

20, 940–944.

- Dongen, U. Van, Jetten, M. S. M., & Loosdrecht, M. C. M. Van. (2018). *The SHARON-Anammox Process for Treatment of Ammonium Rich Wastewater. Water Science and Technology*, 44 (1)(July), 153–160.
- Doyle, J. D., & Parsons, S. A. (2002). *Struvite formation, Control and recovery. Water Research*, 36 (March), 3925–3940.
- Durrant, A. ., Scrimshaw, M. D., Stratful, I., & Lester, J. N. (2010). *Review of the Feasibility of Recovering Phosphate from Wastewater for Use as a Raw Material by the Phosphate Industry. Environmental Technology (United Kingdom)*, 20 (August 2014), 37–41. <https://doi.org/10.1080/09593332008616870>
- Fattah, K. P. (2004). *Pilot Scale Struvite Recovery Potencial From Centrate at Lulu Island Wastewater Treatment Plant* (Issue August). The University of British Columbia.
- Gao, X. Y., Xu, Y., Liu, Y., Liu, Y., & Liu, Z. P. (2012). *Bacterial Diversity, Community Structure and Function Associated With Biofilm Development in a Biological Aerated Filter in A Recirculating Marine Aquaculture System. Marine Biodiversity*, 42 (1), 1–11. <https://doi.org/10.1007/s12526-011-0086-z>
- Haandel, B. A. C. Van. (2012). *Handbook of Biological Wastewater Treatment* (2th ed.). IWA Publishing.
- Han, Y., Zhang, W., & Xu, J. (2021). *A Performace Study pf Simultaneous Microbial Removal of NO and SO₂ in a Biotrickling-Filter Under Anaerobic Condition. Brazilian Journal of Chemical Engineering*, 28(02), 189–196. www.abeq.org.br/bjche
- Hassan, P. (2013). *Simultaneous Management of Nitrogen and Phosphorus In Dewatered Sludge Liquor by Combining Anammox Process With Struvite Crystallization* (Issue September). The University of British Columbia.
- Jetten, M. S. M., Schmid, M., Schmidt, I., Wubben, M., Dongen, U. Van, Volcke, E., Laanbroek, H. J., Campos-gomez, J. L., & Cole, J. (2002). *Improved*

Nitrogen Removal by Application of New Nitrogen Cycle Bacteria. Environmental Science and Technology, 1(May 2014), 51–63.
<https://doi.org/10.1023/A>

Ji, X., Huang, Y.-T., Wang, Q., Yu, G., Tan, A., Lin, J.-G., & Lee, P.-H. (2015). *Chapter 4 State of the Art Anaerobic Ammonium Oxidation (Anammox) Technology. Anaerobic Biotechnology*, 4, 49–71. www.worldscientific.com

Jia, G. (2014). *Nutrient Removal and Recovery by the Precipitation of Magnesium Ammonium Phosphate*. Adelaide University.

Jin, R. C., Yang, G. F., Yu, J. J., & Zheng, P. (2012). *The Inhibition of the Anammox Process: A review. Chemical Engineering Journal*, 197, 67–79.
<https://doi.org/10.1016/j.cej.2012.05.014>

Jin, R., Zheng, P., Hu, A., & Mahmood, Q. (2008). *Performance Comparison of Two Anammox Reactors: SBR and UBF. Chemical Engineering Journal*, 138, 224–230. <https://doi.org/10.1016/j.cej.2007.06.038>

Kalam, S. (2015). *A Pilot Scale Study of Combining Struvite Precipitation with Unibar-Anammox Process As A Sustainable Unified Solution For Managing Nutrient In Centrate* (Issue May) [The University of British Columbia].
<https://open.library.ubc.ca/cIRcle/collections/24/items/1.0167707>

Kang, J. (2014). *Community Analysis and Mixotrophic Study of One-Stage Anammox System* (Issue July). The University of British Columbia.

Khin, T., & Annachatre, A. P. (2004). *Novel Microbial Nitrogen Removal Processes. Biotechnology Advances*, 22, 519–532.
<https://doi.org/10.1016/j.biotechadv.2004.04.003>

Kosari, F. (2011). *Nitrogen Removal From Wastewater Through Partial Nitrification/Anammox Process* (Issue August). The University of British Columbia.

Lotti, T., Star, W. R. L. Van Der, Kleerebezem, R., Lubello, C., & Loosdrecht, M. C. M. Van. (2012). *The Effect of Nitrite Inhibition on The Anammox Process. Water Research*, 46(8), 2559–2569.

<https://doi.org/10.1016/j.watres.2012.02.011>

- Ma'mun, H., Bayuseno, A. ., & Muryanto, S. (2012). *Pembentukan Kerak Kalsium Karbonat di Dalam Pipa Beraliran Laminer Pada Laju Alir 30 ml/menit Hingga 50 ml/menit dan Penambahan Aditif Asam Malat*. *Talanta*, 100–105.
- Ma, B., Bao, P., Wei, Y., Zhu, G., Yuan, Z., & Peng, Y. (2015). *Suppressing Nitrite-Oxidizing Bacteria Growth to Achieve Nitrogen Removal from Domestic Wastewater via Anammox Using Intermittent Aeration with Low Dissolved Oxygen*. In *Scientific Reports* (Vol. 5, Issue July). Nature Publishing Group. <https://doi.org/10.1038/srep13048>
- Ohlinger, K. N., Young, T. M., & Schroeder, E. D. (1998). *Predicting Struvite Formation In Digestion*. *Pergamon*, 32(12).
- Rasyidah, A. A. (2021). *Optimalisasi Penyisihan Nitrogen dengan Proses Anammox Pada Up-Flow Anaerobic Sludge Blanket (UASB) Menggunakan Plastik Sebagai Media Lekat*. Universitas Andalas.
- Said, N. I., & Sya, M. R. (2014). *Removal Ammonia in Domestic Wastewater Using Moving Bed Biofilm Reactor (MBBR) Process*. *Jurnal Air Indonesia*, 7(1).
- Sliemers, A. O., Haaijer, S. C. M., Stafsnes, M. H., Kuenen, J. G., & Jetten, M. S. M. (2005). *Competition and Coexistence of Aerobic Ammonium and Nitrite-Oxidizing Bacteria at Low Oxygen Concentrations*. *Environmental Biotechnology*, 68(January), 808–817. <https://doi.org/10.1007/s00253-005-1974-6>
- Star, W. R. L. Van Der, Abma, W. R., Blommers, D., Mulder, J., Tokutomi, T., Strous, M., Picioreanu, C., & Loosdrecht, M. C. M. Van. (2007). *Start-up of Reactors for Anoxic Ammonium Oxidation: Experiences from The First Full-Scale Anammox Reactor in Rotterdam*. *Water Research*, 41(3), 4149–4163. <https://doi.org/10.1016/j.watres.2007.03.044>
- Strous, M., Heijnen, J. J., Kuenen, J. G., & Jetten, M. S. M. (1998). *The Sequencing Batch Reactor as a Powerful Tool for The Study of Slowly Growing Anaerobic Ammonium-Oxidizing Microorganisms*. *Applied Microbiology and*

Biotechnology, 50(5), 589–596. <https://doi.org/10.1007/s002530051340>

- Strous, M., Kuenen, J. G., & Jetten, M. S. M. (1999). *Key Physiology of Anaerobic Ammonium Oxidation*. *Applied and Environmental Microbiology*, 65(7), 3248–3250. <https://doi.org/10.1128/aem.65.7.3248-3250.1999>
- Strous, M., Van Gerven, E., Kuenen, J. G., & Jetten, M. (1997). *Effects of Aerobic and Microaerobic Conditions on Anaerobic Ammonium Oxidizing (Anammox) Sludge*. *Applied and Environmental Microbiology*, 63(6), 2446–2448. <https://doi.org/10.1128/aem.63.6.2446-2448.1997>
- Sun, S.-P., Pellicer, C., Cher, N., Merkey, B., Zhou, Q., Xia, S.-Q., Yang, D.-H., Sun, J.-H., & Smets, B. F. (2010). *Effective Biological Nitrogen Removal Treatment Processes for Domestic Wastewaters with Low C/N Ratios: A Review*. *Environmental Engineering Science*, 27, 2.
- Van De Graaf, A. A., De Bruijn, P., Robertson, L. A., Jetten, M. S. M., & Gijs Kuenen, J. (1996). *Autotrophic Growth of Anaerobic Ammonium Oxidizing Microorganism in a Fluidized Bed Reactor*. *Microbiology*, 142, 187–189.
- Van Hulle, S. W. H., Vandeweyer, H. J. P., Meesschaert, B. D., Vanrolleghem, P. A., Dejans, P., & Dumoulin, A. (2010). *Engineering Aspects and Practical Application of Autotrophic Nitrogen Removal from Nitrogen Rich Streams*. *Chemical Engineering Journal*, 162(1), 1–20. <https://doi.org/10.1016/J.CEJ.2010.05.037>
- Wen, R., Jin, Y., & Zhang, W. (2020). *Application of The Anammox in China: A review*. *International Journal of Environmental Research and Public Health*, 17(3). <https://doi.org/10.3390/ijerph17031090>
- Wu, C. (2012). *Performance of Completely Autotrophic Nitrogen* (Issue September). The University of British Columbia.
- Zhang, L., Zheng, P., Tang, C., & Jin, R. (2008). *Anaerobic Ammonium Oxidation for Treatment of Ammonium Rich Wastewaters*. *Journal of Zhejiang University Science B*, 9(5), 416–426. <https://doi.org/10.1631/jzus.B0710590>
- Zorz, J. K., Kozłowski, J. A., Stein, L. Y., Strous, M., & Kleiner, M. (2018).

Comparative Proteomics of Three Species of Ammonia-Oxidizing Bacteria.
Frontiers in Microbiology, 9(May), 1–15.
<https://doi.org/10.3389/fmicb.2018.00938>

