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**IJSR Initial Manuscript Submission: SR22422131558**

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We have received your Initial Submission, and we will revert with the Evaluation decision within the next 36 hours.

Paper ID	SR22422131558
Paper Title	PERFORMANCE ANALYSIS OF SILICA SAND AS A PROCESSING MATERIAL INTRODUCTION MICROFILTRATION MEMBRANES FOR TREATING HOSPITAL WASTEWATER
Article Type	Research Paper
Subject Area	Environmental Engineering
You Are?	Academician
Total Authors	03
No. of Pages	5
Author Names	IMAM SANTOSA,SST,MT.
Desired Issue	Volume 11 Issue 4, April 2022
Author Category	New Author
Email	imamsantosa2811@gmail.com
Phone / Mobile	081369166021
Country	Indonesia
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Letter of Acceptance | Paper ID: SR22422131558

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23 April 2022 pukul 15.20



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26 April 2022 pukul 14.31

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Paper ID	SR22422131558
Paper Title	PERFORMANCE ANALYSIS OF SILICA SAND AS A PROCESSING MATERIAL INTRODUCTION MICROFILTRATION MEMBRANES FOR TREATING HOSPITAL WASTEWATER
Author Names	IMAM SANTOSA, SST, MT.
Subject Area	Environmental Engineering
Article Category	Research Paper
Abstract	Alternative methods of treating hospital wastewater can use a microfiltration membrane, where the results of the study show that the removal of oily wastewater reaches 82.5%, BOD 90%, COD 85% and total Coli up to 70%. In addition, it can remove particles from wastewater measuring 0.04 to 100 microns. The problem faced in the use of microfiltration membranes is the rapid occurrence of fouling / saturation on the surface of the microfiltration membrane causing the wastewater treatment operation time to not be long. The lack of time for this treatment causes the problem of a small amount of wastewater being treated and other problems, membrane replacement is faster. The purpose of this study was to determine the performance of silica sand as a preliminary treatment for microfiltration membranes to reduce the content of parameters pH, BOD, COD, TSS, Ammonia, Fatty Oil and Total Coliform of wastewater. The results of the study are as follows: 1) The average quality of hospital wastewater is temperature 28.8 C, pH 7, BOD 79 mg/l, COD 167.05 mg/l, TSS 68 mg/l, Ammonia 4 mg/l, Phosphate 0.745 mg/l, Fatty Oil 1.64 mg/l, Coliform 2,200 MPN/100 ml. 2) The efficiency of reducing silica sand to parameters, namely for wastewater temperature 2.94%, pH 2.94%, BOD 78.24%, COD 56.25%, Total Solid Suspended (TSS) 75.85%, NH3 (Ammonia) 56.49%, Phosphate (PO4) 39.13%, Oils and Fats 34.38%, and Coliform 27.27% MPN/100 ml.
Keywords	Preliminary Treatment, Silica Sand, Hospital Waste Water
Desired Issue	Volume 11 Issue 4, April 2022
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Good evening, I want to ask about mau article PERFORMANCE ANALYSIS OF SILICA SAND AS A PROCESSING MATERIAL INTRODUCTION MICROFILTRATION MEMBRANES FOR TREATING HOSPITAL WASTEWATER, when can the article be published, thank you.

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