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EFFLUENT TREATMENT IN YARN DYEING PROCESS USING MEMBRANE WITH REVERSE OSMOSIS SYSTEM

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Abstract

The textile dye house industries used valuable dyes, which are clearly visible if discharged into public water ways. This disposal creator both an aesthetic and environmental waste water problem. In this paper study on treatment of wastewater in yarn dyeing industry. For this purpose Reverse Osmosis (RO) and entire treatment system was tested in, yarn dyeing. The membrane selection process was theoretically designed, treatment plant system based on the analytical report using well known design software like KOCH and ROSA. To compare experimental design with theoretical (KOCH and ROSA Software) values for yarn dyeing industry.

Keywords: membrane, KOCH and ROSA software membrane, RO, textile effluent, yarn dyeing, pH, TDS, Cl^{-}.

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