

**WASTE WATER MANAGEMENT ANALYSIS AROUND
MEGA SUPERBLOK MEISTERSTADT BATAM CENTER
DEVELOPMENT PROJECT**

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ABSTRACT

The growth of the population in Indonesia, which is increasing every year will have a serious impact on the decline in environmental carrying capacity. Batam City is one of the largest industrial cities in Indonesia, and a Meisterstadt area will be erected which will later have many buildings with different activities.

The purpose of this research is to present the existing condition of the existing wastewater treatment system in Batam's Meisterstadt area and to analyze the concept of waste water management that is suitable for application in the Batam Meisterstadt area.

The method used in this research is descriptive qualitative method. In this method the authors also conducted interviews with related parties to get an approach from the research material to be taken. In addition, the authors also do documentation while at the research location to add primary data which can later be attached.

The existing condition of the existing wastewater treatment system in Batam's Meisterstadt area is using a retention pool whose function is to collect wastewater, collected in one point or pond before finally being channeled to the river / nearest water collection point. The author will offer a suitable wastewater management concept and can later be applied in the Batam Meisterstadt area. The chosen method is biological wastewater treatment with aerobic anaerobic biofilter method. As well as suggesting to implement an operator institution that can later regulate the course of the wastewater treatment process in Batam's Meisterstadt area.

Keywords: Waste water, waste, plumbing, WWTP, Meisterstadt Batam