

Abstract

Research Title : Water Quality Management Klong Wat Rajathiwas,
Dusit, Babgkok By water replacement

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Research. "The quality of water in the canal Rajathiwas, Dusit, Bangkok. By the way, good hydration is "the main purpose of the study of water quality in the canal Rajathiwas. And the degradation of the water in the canal measured Rajathiwas before draining into the river (evening) and after draining the water from the river into the canal (morning) to see the effectiveness of using water-resistant. instead of water.

The water quality is good. The index for the water quality of water in the canal before the king and the drainage into the river. Concluded that the index of water quality before discharge. (Evening) is in the range of 42-69 with a mean of 49, which concluded that water quality has deteriorated to some degree. After the drainage canal to the river and drain water from the river into canals to exchange it. The water quality index in the range of 46-62 with a mean of 51, which concluded that water quality has deteriorated to some degree. It is slightly higher than before drainage. And water quality in the canal Rajathiwas placed in surface water quality standards for four types of PCD. Ministry of Natural Resources and Environment.

The study of different water quality parameters before and after the drainage canal to drain the water in the Rajathiwas water from the river. Summarized as follows. Dissolved oxygen, turbidity, pH - pH, total solids of phosphate, nitrate, and the cattle faecal coliforms. Bacterial paired simple t-test are statistically significant at the .05 level showed that the water quality before and after draining the conclusion that there is no difference between the drain and out. These water quality does not make it better. The BOD is the amount of water before and after are different. Most of the BOD in the evening before the drain is higher than in the morning, after draining it can be concluded that drain into the river and drain water from the river into the canal, the County Commissioners that During the night, it can reduce the BOD.

To study the differences in water quality using water quality index can be concluded that the quality of the water drain out (evening) and the water quality of river water into the canal (at B) are different.