**ABSTRACT**

Wastewater reuses has been one of the important practices in human activities. Wastewater reclamation is

intensively used worldwide for various purposes (e.g crop and landscape irrigation ornamental and recreational

impoundment ground water recharge industrial purposes and fire protection). The objective of this study was to

evaluate the performance of trickling filter for wastewater treatment. The process was easy and economic to

operate. The total removals were 669.3(90%), 334.8(92.7%), 297.5(89.5%) for COD, BOD and TSS. Coliform

and Escherichia coli were 6 log. Salmonella spp was not detected in the final effluent treatment. The density of

E.coli was 1.5×102 MPN- index/100 ml with the final effluent. The characteristics of final effluent were suitable

for reuse in various purposes such as crop and landscape irrigation and this due to good engineering design of

the pilot which gives a qualified final effluent wastewater.

***Key words:*** wastewater treatment, trickling filter, biological, reuses