

ABSTRACT

This study discusses the comparison of the use of citric acid with ordinary toilet cleaners in cleaning toilet descents. This research is motivated by the large number of people who do not know the other functions of citric acid apart from being a food/ beverage ingredient. Therefore, the author will examine other functions of citric acid which can be used as a substitute for regular toilet cleaners in cleaning bathroom descents. This research uses comparative and experimental methods on the object of citric acid and ordinary toilet cleaner (harpic and porstex) which will be examined for its effectiveness in cleaning bathroom descaling. The area of the bathroom to be cleaned is 150 cm x 130 cm. The comparison between citric acid and ordinary toilet cleaners (harpic and porstex) is that when cleaning the toilet using citric acid it takes 1 minute longer to stand on than harpic and porstex, but during the cleaning process citric acid does not require more energy when brushing than 2 other cleaners. Citric acid does not cause side effects, while harpic and porstex cause side effects such as shortness of breath and sore hands.

Keywords: Toilet Crust, Utilization of Citric Acid, Toilet Cleaner