



The Effect Zamzam water on tap water in terms of (conductivity – oxygen – nitrates)

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Introduction

Zamzam water is pure, colorless and odorless, with an almost salty taste. (5) It is currently in the form of a well in the barren desert surrounding Mecca(1), and the depth of the well ranges between 19-20 meters.(2)

chemical research about the results of analyzing several water : , the results concluded that Zamzam water is the only one that outperforms all the other sample used in the research, including Perrier , in terms of purity and the advantage of water ratios.(5) Zamzam water also has fluorine compounds that kill germs, is safe to drink, completely natural, no treated, and no chlorine is added to it. Also, fungi and plants usually grow in wells, which changes the taste and smell of water, however, the well of Zamzam does not contain any fungi(6). The current study aims at measuring the effect of Zamzam water on tap water in terms of (conductivity, oxygen, and nitrates), where these properties were chosen because they are some of the most important properties of Zamzam water, The study was conducted over a week, with daily water measurements with conductivity, oxygen and nitrates devices to observe changes, as the measurement period was during the day. It was concluded that the conductivity ratio of tap water increased with the increase of Zamzam water, and that the values of dissolved oxygen in water increase with increasing Zamzam water, while nitrate values remained constant at zero because it is drinking water.(7) The study came to demonstrate that tap water is affected by Zamzam water; and it agrees with the study of the Japanese scientist Imoto which states (Zamzam water has unique properties not available in tap water, and when a drop of Zamzam water is added to a 1000 drops of tap water, makes it acquire the properties of Zamzam water).(8)

Questions and hypotheses

Research question

Are the properties of tap water (conductivity – oxygen – nitrates) affected by Zamzam water?

Does tap water acquire the properties of Zamzam water permanently?

Hypothesis

The effect of Zamzam water on the properties of tap water in terms of (conductivity – nitrates – oxygen)

The permanent acquirement of tap water properties' of Zamzam water

Material and Methods

1

Independent variable

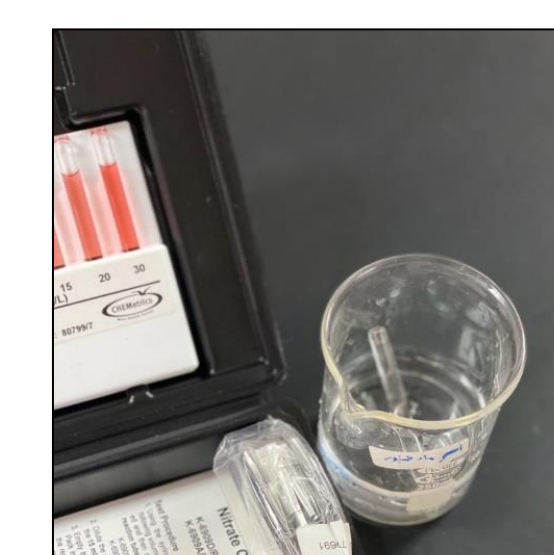
Zamzam water with no added water and water with no added water

Dependent variable 3 samples



2

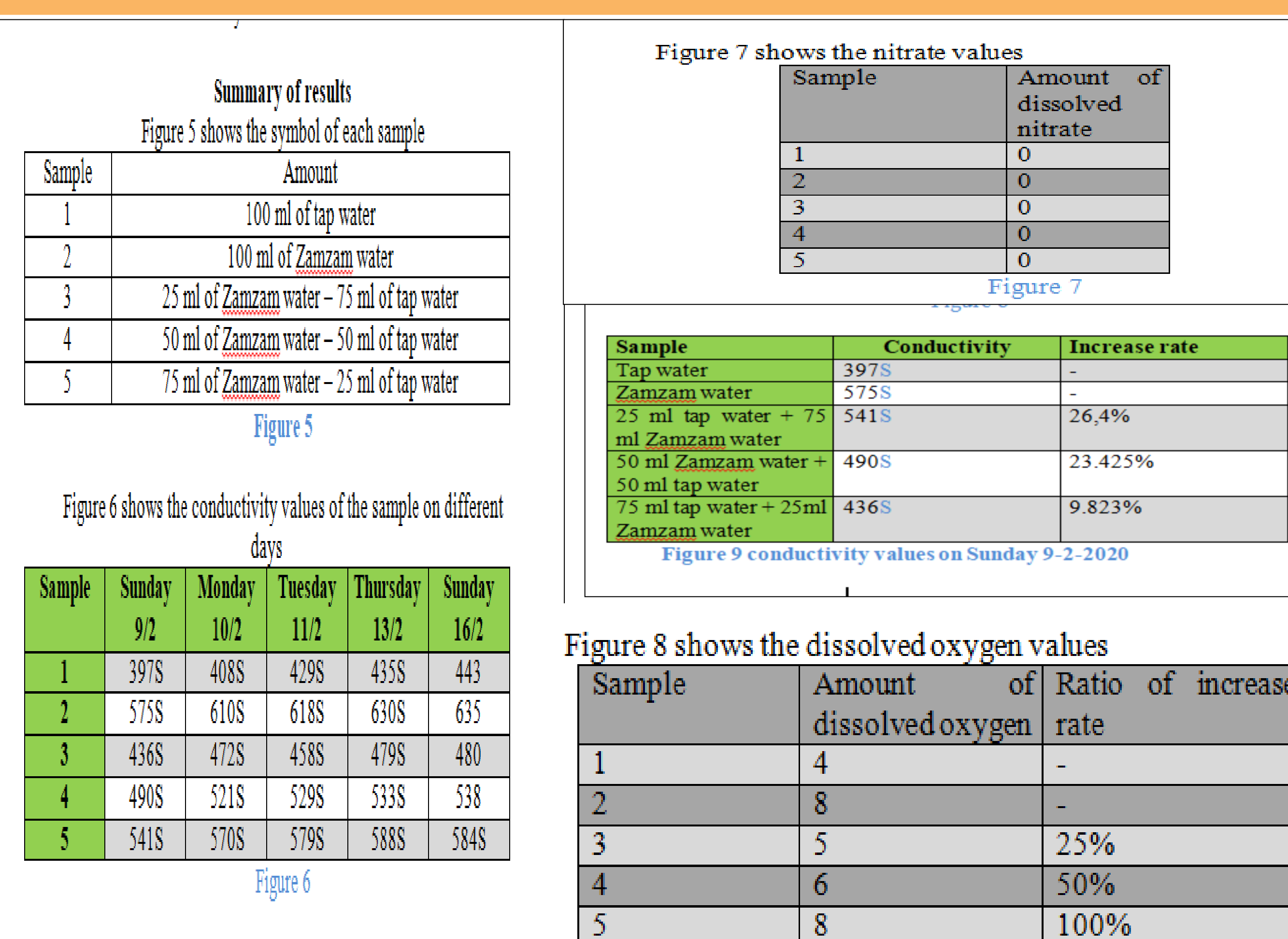
Water measurements were taken in the school laboratory for a week



3

Accordingly, the data was monitored and a schedule was established to monitor the conductivity values in several days Then the results were analyzed and recorded

Results



Acknowledgment

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