

# Review of: "Assessment of Quality of drinking waterbased on the water quality index method in Hawassa Zuria Woreda, Sidama Regional State, Ethiopia"

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Potential competing interests: No potential competing interests to declare.

It should be Electrical conductivity.

Mention the significance properly  $p > 0.01$

Rephrase it ( Heavy metals that cause health issues, such as manganese, lead (Pb), zinc (Zn), cobalt, copper (Cu), and nickel (Ni), have drawn a lot of attention in recent years (WHO, 2017).)

Rephrase it (The beverage must be free from these toxic substances).

Rephrase it (According to the researcher's knowledge, there hasn't been any study on drinking water quality assessment using water quality index..) There are so many studies available.

State objectives appropriately.

Make description of the study area relevant to study objectives.

Rephrase it (Additionally, water samples were taken using clean and/or sterilized containers for heavy metal, bacteriological, and physicochemical studies from household containers (H) and piped water at specific individual taps (Figure 1).

Clearly describe the sampling points.

Rephrase it (Twenty-three typical water samples were collected from two samples from the source borehole (BH),)

Complete the sentence (Two hundred fifty milliliters of water sample was collected aseptically in sterilized bottles from the boreholes, reservoir, tap water, and households' containers for bacteriological).

How the water samples are stored bacterial analysis.

Remove it (All chosen physicochemical parameters were examined following the collection of samples from each sampling location, both in the lab and in the field. )

Rephrase it (Water samples were collected, and a cooler comprising ice packs and freezer packs was used to transport them to the lab. )

Avoid repetition (The samples acquired for the heavy metals assay were preserved right away with concentrated HNO<sub>3</sub> to a pH value)

Add proper symbol for Degree Celsius.

Add proper meaning to the sentence (In order to prevent contamination and the effects of light and temperature, these sample bottles were sealed and kept in a dark environment at a constant temperature range of 4-10 °C for the duration of the 48-hour physico-chemical examination.)

Add meaning to the sentence (The flame atomic absorption spectrophotometer (Buck Scientific Purographics Calibration Standards, USA) was used to analyse a total of six metals for fifteen samples after the parameters for burner and lamp alignment, slit width, and wavelength adjustment were optimised for the instrument's maximum signal intensity.)

Briefly describe how water samples get digested and also give reference.

Avoid repetition of sentences and move extra information to supplementary information.

Rephrase it (It was developed in two stages and rates the combined impact of each heavy metal on the overall quality of water. By first creating a scoring scale with weights for each parameter that is chosen, and then by choosing the pollution parameter that will serve as the index's foundation. The unit weightage ( $W_i$ ) was used in the current model as a value that was inversely proportional to the suggested standard ( $S_i$ ) for the associated parameters.)

Rephrase the whole paragraph comes under the heading heavy metal evaluation index.

Rephrase it (Regarding the pH of the water samples, they were found to fall between pH 6.689-7.014 recorded from source and from end users, respectively.)

The whole paper needs to be more concise in terms of conveying the concept behind research methodology, results and discussion.