

# 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.

Assessment of Quality of drinking water based on the water quality index method in Hawassa Zuria Woreda, Sidama Regional State, Ethiopia

The manuscript present result of water samples collected from 23 sampling sites (2 from source boreholes; 5 from reservoir, 8 from household container and 8 from tap water and analyzed using t test , correlation analysis, one way ANOVA and Water Quality Index (WQI. The manuscript was not well written with syntax and grammatical errors and I feel that some major refining should be performed to improve the manuscript to meet the standard of international audience Qeios Journal. Tables and Figures used in this study were not included in the manuscript for review

I have listed some suggestions for the authors to consider when revising their manuscript.

The title of this manuscript should be re-casted as 'Assessment of water quality for drinking using statistical analyses in Hawassa Zuria Woreda, Sidama Regional State, Ethiopia'

The aim of applying statistical analyses is missing. This should be provided at the beginning of the abstract. The period of data collection written in the abstract is rather vague. Is the water samples collected daily, monthly, twice, thrice? Water samples from different sources were collected from 23 sampling sites” Why sampling sites were design as 2 from source boreholes, 5 from reservoir, 8 from storage container and 8 from tap water? No scientific justification of sampling campaign, Did you used probability sampling such as random sampling in designing your sampling sites. Furthermore the general land used in the study area should have been considered before strategizing the sampling sites used in this study. The physico chemical parameters used in this study should have been reported in the abstract section for readers to have firsthand information on the parameters used before going deep into the main manuscript. Some abbreviations were firstly used without fully defining it such as HPI and HEI.